# Self Study Report
## for
# Accreditation
# (2016-'20)

Submitted to

**National Agricultural Education Accreditation Board (NAEAB)**



**Acharya N.G. Ranga Agricultural University**
**Lam, Guntur-522 034, Andhra Pradesh**

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# PREFACE

In view of the renewal of Accreditation of Acharya N G Ranga Agricultural University and its constituent colleges, that is due by March 2021, this Self Study Report (SSR) has been prepared explicitly to re-affirm our stance on granting accreditation by National Agricultural Education Accreditation Board (NAEAB), ICAR. Post bifurcation of State of Andhra Pradesh, the ANGRAU has been evolving and making rapid strides despite facing the challenges. The ANGRAU is committed to deliver quality services in areas of academics, research and extension. This SSR of ANGRAU gives a snap shot picture of how ANGRAU has evolved over a period of time and we reiterate our stand in promoting excellence in all spheres. The administrative set up and governance of ANGRAU supports effective leadership display and enables to meet the underlined mandates.

Improvisation of ANGRAU present position to 13$^{th}$ rank by ICAR stands as a testimony to the commitment of University staff. All these efforts have now culminated in preparation of SSR, which reflects activities and achievements of our constituent colleges, research and extension units during the last five years. We are sincerely hopeful that, given the accomplishments of ANGRAU during the previously granted accreditation tenure up to March 2021, the NAEAB further renews our accreditation. This SSR throws light on the renewed focus that ANGRAU envisages in coming years in imparting high quality education, innovative research and effective lab to land activities, thereby contributing to food security at National and International levels.

It is my privilege to present this SSR of ANGRAU prepared for renewal of accreditation for the period, 2021-2025. All the information provided is in original form and is presented after thorough scrutiny. I immensely thank the ICAR-NAEAB for the previous accreditation and now gearing up for the next phase extension. This document conforms in all aspects to the prescribed proforma for granting accreditation to State Agricultural Universities in our country. I acknowledge the two level teams at University who are explicitly involved in bringing together this report on their arduous efforts. Special thanks to Director (Planning & Monitoring), University Officers and Heads of Regional Units of ANGRAU on their constant cooperation and contribution in this regard.

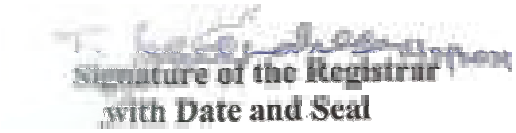


A. VISHNUVARDHAN REDDY

(Vice Chancellor)

# CERTIFICATE

I, Registrar of Acharya N G Ranga Agricultural University hereby certify that the information contained in the sections 6.4, 6.5, and 6.6 are furnished as per the records available in the University.



## Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge. All the information presented in SSR of ANGRAU is in its original form and no part of it is outsourced. I am hopeful that the SSR will be validated by the Peer Review Team and accreditation will be granted to ANGRAU.



A.VISHNUVARDHAN REDDY

(Vice Chancellor)

**Acharya N G Ranga Agricultural University**

The Acharya N G Rnaga Agricultural University (ANGRAU) is an autonomous State Agricultural University functioning to meet the needs of State of Andhra Pradesh in terms of agricultural education, research and extension. The ANGRAU holds the accreditation of the nation's apex body in the field of agriculture, i.e., Indian Council of Agricultural Research (ICAR) valid through 27th March 2021.

The Self Study Report of the ANGRAU covering various issues is presented in the given format as below.

## 6.6. SELF STUDY REPORT OF AGRICULTURAL UNIVERSITY

### 6.6.1. UNIVERSITY GOVERNANCE

**6.6.1.1. Vision, Mission and Goals:** ***(****whether the university has published vision document and has developed the plan of implementation with time frame and proposed financial arrangement? Whether the University has planned, developed, implemented and evaluated intentional and purposeful programs/services that may facilitate students and other stakeholders of the University? Provide one paragraph each.)*

Acharya N G Ranga Agricultural University (ANGRAU), which was established in the year 1964 as Andhra Pradesh Agricultural University, has a history of five decades in serving the interests of farmers of the state of Andhra Pradesh. The University had formulated a strategic planning document, duly taking into consideration the core competencies, needs of different agro-climatic zones of the country in general and of Andhra Pradesh (A.P.) State in particular. This compiled information with a long term and short term perspective plans in education, research and extension for the years 2000 to 2020 was published as "Vision 2020-ANGRAU Perspective Plan" during December 1999. The Vision-2020 document encompassed the SWOT analysis of agricultural situation in the State of Andhra Pradesh and outlined the role of ANGRAU in achieving the specific goals through strategic planning.

To suit the current needs as emerged from the industry-academia collaborations, the course curriculum is modified in tune with the V Deans' Committee recommendations by including more practical component and the elective courses. As per the strategies outlined in Vision 2020, the crucial issue of human resource development is achieved by increasing the existing intake capacity of students' admissions and also by starting up of six new private agricultural colleges affiliated to ANGRAU in the State. Advanced Post Graduate Centre (APGC) was started giving scope to post graduate and doctoral research in specialized areas of agriculture like Seed Technology, Molecular Biology & Biotechnology, Water Management, etc. besides taking up admissions to MBA (Agri Business Management) programme. The interdisciplinary UG programme i.e., B.Tech. (Food Technology) was introduced to meet the need of training human resources in core and emerging areas. As envisaged in Vision 2020, selected students have been trained abroad with the financial support of World Bank funded National Agricultural Higher Education Programme (NAHEP) through Institutional Development Plan (IDP) to get global exposure. Further, the need to strengthen library and information services, student housing and recreational facilities, laboratories, livestock farms and workshops which was highlighted in the Vision-2020 document of ANGRAU was also implemented as per the time plan envisaged.

The thrust areas of research were identified commodity wise and discipline wise, taking into consideration the growth engines of agriculture identified in the Vision-2020 document of Andhra Pradesh State. ANGRAU has sizably contributed to food security, nutritional security and prosperity of the State besides playing a remarkable role in the socio-economic up-liftment of small and marginal farmers in general and tribal people in particular. Further, ANGRAU initiated dynamic agricultural research especially in frontier areas and developed policies and

linkages that ensured realization and adoption of various proven technologies and products. As a result, ANGRAU could develop several improved varieties/hybrids in various crops, identified elite beneficial microbial strains, developed new cost-effective technologies/products, improved trade and access to external markets, enhanced agribusiness capabilities, etc. The benefits of quality improvement and value addition have improved the economic conditions of the farmers. The premium rice variety, Samba Mahsuri (BPT 5204), a fine grain high yield variety of par excellence with unmatched grain quality, is fetching premium price among the non-Basmathi rices. The sugarcane varieties developed for late planting have been successful in prolonging the crushing season and increase the sugar recovery. The IPM technology in cotton saved several crores of rupees of expenditure against chemical plant protection measures. The improved *Doruva* technology is playing a key role in making the coastal sands highly productive through improved water use Efficiency. Low cost, simple, animal drawn and hand operated agricultural implements suitable to different crops are developed. To galvanize research in frontier areas, ANGRAU has forged effective linkages and collaborations with several institutes of national and international repute.

On the extension front, ANGRAU has been training the trainers, enhanced the size of skilled farmers in the State, witnessed greater adoption of varieties released from ANGRAU and developed technologies and facilitated more and more interactions among research and extension scientists with farmers. Open and Distance Learning Centre (ODLC) at Guntur was established in the year 2018 with the objective of extending agricultural education through distance learning to aspiring farmers, farm women, rural youth, students and other stakeholders in Andhra Pradesh by organizing skill oriented short term certificate courses across the state in spheres such as

Organic Farming, Terrace Gardening, Bee Keeping, Mushroom Production, Millets Promotion, Agricultural Journalism, etc.

Financially, the University is supported by ICAR, Government of India (GoI), and Governemnt of Andhra Pradesh (GoAP). The lion's share of support (75%-80%) is from GoAP for conducting research, teaching and extension activities under its State's plan. Several national and international agencies, agro-industries are also supporting the University finance. From ICAR, the nature of funding is in the mode of a) development grants for educational institutions and b) for implementing a number of AICRP & Ad-hoc schemes. ANGRAU is implementing the World Bank funded project granted by NAHEP of ICAR titled "Institutional Development Plan (IDP)" for an outlay of Rs. 2910.01 lakh (2410.01 lakh from NAHEP and 500 lakh from ANGRAU) from 2018-'19 to 2020-'21 at five selected constituent colleges for developing the institute as a 'Centre of Excellence'.

The following are the vision, mission and goals of the University.

**a) Vision**

- To provide opportunities for the citizens of the state and the country for education in the field of agriculture in its broad sense and to promote research and extension programmes in agriculture and allied sciences. Strengthen UG and PG teaching through periodic revision of syllabi to meet the challenges in fast changing scenario of agriculture.
- To establish the required infrastructure to conduct location specific research in the field of agriculture and allied sciences
- To generate technologies to improve farm production and income to farmers
- To provide the needed assistance to the development departments of the Government and other agencies to test and disseminate the improved technologies developed.

- 
- To provide opportunities for rural youth and women for learning and adoption of improved agro-technologies.
- To revitalize the extension activities through the creation of specific infrastructure in each district.

**b) Mission**

- Making agriculture profitable through Research, Extension and Education

**c) Mandate of the University (Goals)**

- Train the manpower in Agriculture, Agricultural Engineering and Technology and Community Science for the development of the state (Teaching)
- Constantly generate and improve technologies for increasing production in Agriculture and for the welfare of rural folk (Research)
- Assist in dissemination of the improved technologies to the farmers of the state through development departments of Government (Extension)

**6.6.1.2. Statutes and Regulations: (***Provide list of Statutes and Regulations published in the gazette notification and being implemented by the University for Administration and Planning)*

The following are the Statutes/Regulations that were published in the Gazette notification and being implemented by the ANGRAU during the last five years.

Table 1. List of Gazette notifications published and implemented by the ANGRAU during 2015-2020

| Subject - Statute/Regulation | Date of Publication | Gazette notification no. |
|---|---|---|
| Acharya N.G. Ranga Agricultural University (Amendment) Second Ordinance, 2016 | 2nd July 2016 | Andhra Pradesh Ordinance No. 3 of 2016 |
| Agriculture Department-The Andhra Pradesh Reorganization Act, 2014-The Andhra Pradesh Agricultural University Act, 1963 - Change of Head Quarters-Notification-Orders-Issued | 09.05.2016 | G.O. Ms. No. 37 |
| Agriculture & Cooperation Department - Acharya N. G. Ranga Agricultural University, Guntur – Establishment - The Manner of appointment of Vice Chancellor to the University - Amendment to the Statute 4 of the First Statutes – Approved – Orders - Issued | 24.05.2016 | G. O. Ms. No. 42 |
| ORDINANCES – State - Acharya N. G. Ranga Agricultural University (Amendment) Ordinance, 2016-Publication ordered as Andhra Pradesh Ordinance No. 1 of 2016 | 02.07.2016 | G.O. Ms. No. 44 |
| ACTS – State - Acharya N.G. Ranga Agricultural University (Amendment) Act, 2017 - Publication ordered as Andhra Pradesh Act No. 11 of 2017 | 02.05. 2017 | G.O. MS. No. 18 |
| Agriculture Department - Acharya N. G. Ranga Agricultural University, Guntur - Addition of Faculty of Community Science as (h) in Chapter VI of Statutes 29 of Andhra Pradesh Agricultural University Act, 1963-Amendment - Orders – Issued | 18.03.2020 | G.O. Ms. No. 50 |

**6.6.1.3. University Statutory Officers and their selection process:** ***(****Provide the list of the statutory officers sanctioned in the Act, present position, their mode of appointment (selection/nomination), joining date, tenure. Please provide the reason of those statutory officers who have not been appointed so far)*.

Vice Chancellor and other University Officers are appointed in accordance with the provisions of the Act and Statutes of the Acharya N G Ranga Agricultural University. The provisions of the ICAR Model Act for State Agricultural Universities in India is sent to State Government for amending the existing act. The following are the details of University Officers.

Table 2. Particulars of University Officers of ANGRAU

| NAME | Statutory Officer | Joining Date | Mode of Appointment | Tenure |
|---|---|---|---|---|
| Vice-Chancellor | Dr A Vishnuvardhan Reddy | 14.08.2020 | Selection | 3 years |
| Registrar | Dr N Trimurtulu | 21.09.2020 | Nomination | 3 years |
| Comptroller (in-charge) | Dr K Yella Reddy | 01.11.2020 | Nomination | -- |
| Dean of Post Graduate Studies | Dr D Balaguravaiah | 25.03.2018 | Selection | 5 years |
| Dean of Agriculture (in-charge) | Dr A Pratap Kumar Reddy | 22.06.2020 | Nomination | 5 years |
| Director of Experimental Stations (in-charge) | Dr T Giridhara Krishna | 22.06.2020 | Nomination | 5 years |
| Director of Extension | Dr P Ram Babu | 25.03.2018 | Selection | 5 years |
| Controller of Examinations | Dr A Siva Sankar | 24.03.2018 | Selection | 3 years |
| Dean of Agricultural Engineering & | Dr K Yella Reddy | 27.03.2018 | Selection | 5 years |

| | | | | |
|---|---|---|---|---|
| Technology | | | | |
| Dean of Student Affairs | Dr S R Koteswara Rao | 24.03.2018 | Selection | 3 years |
| University Librarian (in-charge) | Dr S R Koteswara Rao | 24.03.2018 | Nomination | 3 years |
| Dean of Home Science | Dr L Uma Devi | 24.03.2018 | Selection | 5 years |
| Estate Officer (in-charge) | Sri P V Narasimha Rao | 29.06.2017 | Nomination | -- |

**6.6.1.4. Decentralization of Power:** (*Decentralized systems are those in which central entities play a lesser role in any or both of fiscal and administrative dimensions in the agricultural universities. The information on financial autonomy and sanctioning power to the Dean and other officers of the University shall be provided. Whether the necessary administrative powers have been delegated to the Statutory officers of the University. Provide the list*)

Vice Chancellor shall be the academic Head and Principal Executive Officer of the University. He delegates the academic and financial powers to the Statutory Officers as per the regulations of APAU Act, 1963. The Deans of respective faculties are responsible for organization and conduct of teaching, research and extension work of the departments concerned. The Director of Experimental Stations prepares annual budget estimates for University research and supervises the compilation and publication of research results. The Director of Extension shall prepare yearly programmes and budget needs for the education of cultivators and other non-students in connection with extension schemes. All the Statutory Officers exercise the powers of drawing, disbursing and collection of money under relevant statutes and regulations.

Though delegation of administrative and financial powers are in vogue, beyond certain specified limits, the approval from concerned statutory officers is mandatory for execution at the

grass root level (colleges and research stations headed by Associate Deans and Associate Directors respectively).

**6.6.1.5. Supporting Units (***Whether the University has established Maintenance cell, SC/ST Cell and Health facility and what is the present mode of functioning of these units to support the student, staff and University infrastructure?*)

**a) Maintenance Cell**

For maintaining the research laboratories, auditoriums, computer laboratories, buildings, infrastructure, etc. at University level and other centres (College/research stations/extension units), separate committees are being constituted and vested with responsibilities. Similarly, committees are formed for supervision of civil works of on-going, new constructions, renovations, etc. and progress is being monitored regularly. With the ongoing Institutional Development Plan project being implemented in the ANGRAU, the development of smart classrooms, computer facilities and establishment of IT equipment to meet international standards in agricultural education, separate supporting units are pursuing the maintenance and other relevant works from time to time.

The University has an exclusive research management system, termed as "ARMS" (Agricultural Research Management System) for updating on the monthly progress of research under plan & non-plan schemes. The researchers upload their monthly reports pertaining to their research progress for each of the experiments, research publications brought out from their research, participation in meetings, seminars, conferences etc., along with quality photographs. The University has no centralized management cell that provides internet facility and maintains the database pertaining to the research outcome. Central library unit is responsible for providing students, researchers, extension specialists, direct access to various journals, CERA etc. The

Planning and Monitoring Cell maintains the database on research publications, research achievements of faculty.

**b) SC/ST Cell**

For Scheduled Castes and Scheduled Tribes of faculty, students and other employees, an exclusive SC/ST Cell started functioning since January 1999. The Cell ensures fulfillment of reservations for SCs/STs in all aspects. The activities of SC/ST Cell mainly include a) maintenance of reservation roster for all cadres in the University for SC/ST, b) effective implementation of rule of reservation to SC/ST Candidates in admission to various courses in the University, c) effective implementation of rule of reservation to SC/ST candidates in appointments and promotions to teaching and non-teaching posts strictly adhering to roster system followed in the University as per Government rules, d) effective implementation of the Orders/Circulars/Guidelines issued by the Central Govt/State Govt/UGC in respect of reservation, e) to oversee and extend all possible education facilities like hostel accommodation, scholarships & stipends to SC/ST students, f) to provide up to date information/statistics in reservation matters to the Central Govt/State Govt/UGC, etc. g) constitution of grievance committee for SCs/STs, h) organizing Dr B R Ambedkar Birthday celebrations & anniversary programmes, i) special coaching for competitive exams, personality development, communication skills etc., and j) awarding “Dr. B. R. Ambedkar Gold Medal” awards to SC/ST students, who secured highest marks, etc.

A separate coaching cell is being run mainly for SC/ST students to encourage and prepare for Civil Services (prelims), communication skills & personality development. Presently, 10 coaching centers are being run in all the constituent colleges of ANGRAU.

**c) Women Protection Cell**

ANGRAU has constituted a Women Protection Cell at University level as well as at colleges and regional institutions to solve the problems of women employees and time scale employees of the constituent colleges, polytechnics, research stations, KVKs and other institutions under its control including administrative office. Women employees can represent their grievances to the Cell. The grievances at regional level are advised to be referred to central unit too, by the regional committees through audio or video clippings or photographs or any other proofs for the problems which could not be solved at regional level. The action taken report (ATR) on grievances at regional level, after getting resolved by local committee is to be submitted to the central unit headed by a Chairperson and four members.

**d) Health Facility**

At collegiate level, health units are available for staff and students with a resident medical doctor. First aid kits are available in all research stations/extension units and hired medical practitioners are available for regular monitoring of the health conditions. Frequent medical camps are being organized at Central and Regional stations (including colleges) for regular checkups to clientele. The Headquarters do not have a separate Health Unit in Lam, Guntur after bifurcation of State. However, the University has enrolled for Employees Health Scheme (EHS) of the GoAP and Health Cards are issued. Both the teaching and non teaching staff are now eligible for cashless treatments in recognized hospitals in Andhra Pradesh State and neighboring States. The NSS units of colleges in association with NGOs, corporate bodies and other social service organizations regularly conduct diagnostic camps, blood donation camps, health awareness programmes, nutrition surveys, etc.

**6.6.1.6. Technology Support:** ((*Information on classroom technology (eg. technology in rooms, computer labs), online learning tools, internet/Wi-Fi connectivity, student systems (eg. Online enrolment), business applications, computer help (eg. setup for email, firewalls) and password resets being implemented at the University level. A brief note shall be provided).*

At ANGRAU, all the students, faculty and administrative staff are supported with internet facility with WiFi, unique IDs, and online tools. Technological support is available for laboratories, class rooms, conference halls, hostels, auditoria and libraries. Class rooms are provided with digital podia, projection systems, duel desks, computing devices and accessories for making them into smart class rooms, etc. Further, the computers in classrooms and other places are provided with latest antivirus software. Majority of the desktop computers are provided with Windostat 9.2 advanced level software, and have relevant interfaces that are specific to each specialization like Advanced biometrics pack, Plant breeding genetics pack, etc.

Lbiraries are supported with advanced technologies so as to meet the research and educational information needs of the faculty, scientists, extension specialists, students, etc. Online resources (e-Resources) such as a) CAB online version, b) EBSCO-E-Journals database, c) Indiastat, Indian Harvest (statistical database), d) e-books of Taylor & Francis, CABI, Elsevier, Science Direct, etc. are subscribed yearly. Further, ANGRAU initiated implementation of 3M Library Security System that ensures protecting the library material and also to secure the library from untoward material.

ICT technologies are part of our functioning of our extension systems. ANGRAU has started distance education through private TV channels and other electronic media to educate the farmers on efficient use of inputs in sustainable and export oriented agriculture, post harvest handling, market intelligence etc. The “Electronic Wing” started functioning in this direction since 2001 to promote e-Extension.

Online counseling for admissions into Diploma, Undergraduate and Postgraduate courses are initiated in ANGRAU from 2020-21, which is of great help to the aspiring students in the present Covid-19 Pandemic situation. In accordance with the Digital India Programme of GoI, the ANGRAU became a part of e-Governance initiative of EKTA (Ekakrit Krishishiksha Takniki Ayaam) of ICAR. Unique IDs are created to the students at first instance of their enrollment to serve as identity to the disbursement of bursaries.

**6.6.1.7. Institutional Database and Website update:** (*Whether the institutional extensive database of general and specific programs in partnering with peer universities, research institutions and government agencies are available in order to facilitate a wide variety of intellectual interactions and exchanges? Mention periodicity of Website updating.*)

**a). Institutional Database**

Research and academic repository and its maintenance have been given prime importance in the ANGRAU. The research and extension outcomes (both published and unpublished) are being preserved and uploaded onto official website (www.angrau.ac.in) from time to time. The research publications of faculty and students are being compiled annually and its electronic database is maintained. Same compilations are being published in the Annual Report of ANGRAU yearly and the digital versions are preserved for the university records. The Annual Reports of ANGRAU are circulated to other State Agricultural Universities and ICAR Institutions for ready reference. Both the Annual Report of ANGRAU and the Annual Progress Report of Strengthening and Development Grants of ANGRAU that is being submitted to ICAR also have the details on a) academic programs, b) detailed budgetary support to University, c) revenue generation to university from all sources, d) details on existing and civil works, e) infrastructural facilities available for effective teaching/learning, f) smart class rooms available at constituent colleges, etc.

The aforementioned annual reports also have student knowledge outputs, their contributions annually at national and international level, besides facilities available in honing their skills, students' research outcomes at PG and Doctoral programmes such as theses abstracts, summaries, reports on Experiential Learning (EL) modules that are implemented at college level etc. Further, the details of students' accomplishments like Masters' theses, Ph.D. dissertations, and number of students selected for JRF/SRF/NET (ICAR/ICMR/UGC/CSIR/DBT)/ARS, number of student beneficiaries availing RAWE/In Plant Training/ Internship under Student READY in the University, etc. are also available. The details are digitalized and are available at University Library and respective libraries of colleges too. Other important details that are embodied in ANGRAU Annual Reports and the information made available in public domain are a) sports facilities strengthened, b) curriculum development, c) placements of graduate students, d) student beneficiaries with NTS (National Talent Scholarship), etc.

The Planning & Monitoring Cell of ANGRAU also maintains a database of entire faculty working in teaching, research and extension wings of ANGRAU. Initiation has been taken to maintain the portal on the 'Employees Identification Management System (EIMS)' of all the staff of the University with the objective of restoring data on a) employee identification, b) mapping of employee, and c) generation of Personal Identification (PI) etc., all at a single access point. The other faculty details that are available in electronic form include a)seminars/symposia/capacity building programmes organized and attended, b) State/National/International Award /Best Teacher / Thesis / Agri-Unifest & Agri-Sport / other National Awards/Recognitions (for faculty and students) etc. Further, database on linkages with national institutes like a) ICAR b) SAUs, c) Centre for Cellular and Molecular Biology (CCMB),

d) Water and Land Management Training and Research Institute (WALAMTARI), Hyderabad, e) National Cooperative Development Corporation, New Delhi, and with different sectors of Govt. of Andhra Pradesh such as Food Processing, Women Development and Child Welfare, etc.

The linkages with international institutes like a) Kansas State University, USA, b) Oklahoma State University, USA, c) University of Western Australia, Australia and d) New Mexico State University, USA are also displayed on the website. Details on international trainings and programs that are offered to undergraduate students at international level through World Bank funded IDP project are displayed in public domain. Database on collaborative research projects with international universities, international agreements, faculty participation in overseas programmes, and visits of foreign delegations to ANGRAU are maintained and available online too. The Directorate of International Programmes headed by Director of Research maintains all such database and facilitates student and faculty exchange, general collaboration on faculty visits, academic interchange, and other matters of mutual interest with international institutes.

The ANGRAU has an exclusive website for its alumni (angraualumni.com) with the motto to foster a lifelong spirit of belongingness and commitment among the alumni through continuous engagement with the Alma Mater. The alumni network facilitates networking and developing the fraternity, encouraging for professional knowledge exchange, establishing career counseling and guidance centres for the students.

**b) Website update**

Planning & Monitoring Cell is vested with the responsibility of development and maintenance of ANGRAU website (angrau.ac.in). The important activities pertaining to website maintenance include a) Web-portal administration and security; b) Audit inspection of the official website, c) Content uploads from time to time, d) Handling of both fake and valuable contents of ANGRAU in google search engine, and e) Inspection and uploading of domains of different colleges, RARSs, KVKs, and DAATTCs.

The website update works are being carried out from time to time on need basis with daily uploading of circulars and advertisements and their deletions after the tasks are accomplished.

**6.6.1.8. Interdepartmental Linkages (***Provide information on whether the University is currently adopting decentralized, participatory, adaptive and multifarious demand-supply side extension-research-academics approach; involving public, private and third sector (civil society) in research and extension programmes and strengthening capacity of farmers, researchers and extension workers. Provide a note on interdepartmental linkages the University is currently having in practice. Is the University cultivating the collaborative culture within subject and across subjects?*)

The research-extension-academics approach that is existing in ANGRAU is a decentralized one in terms of location specific problems (research & extension) and in meeting the industrial needs (teaching).

- Formulation of research programmes (technical research programme) of research faculty is based on the location specific research needs that arise from the farmers' fields through discussions in T&V meetings at Regional Centres. Based on the gravity of existing field problems, these will be further discussed in the ZREAC meetings, REAC and will be

approved in the State Level Technical Programme headed by Director of Experimental Stations and University Head of a particular discipline.



**Fig 1. ZREAC meeting organized on April 22-23, 2019, at ARS, Nellore**

- Faculty in teaching or research or extension is assigned each of these activities simultaneously as per the existing University policy to meet the demand-supply side of the extension-research-academics approach.
- Due participation of private (industrial) sector is witnessed in all the activities of the University. This P-P-P mode is a "win-win" situation for both the ANGRAU and industrial sector. The details of P-P-P adopted by ANGRAU are given in 6.6.2.8 (Academics-Industry interface).
- Third sector (civil society) involvement along with industrial participation is increasingly evident in ANGRAU activities in meeting its mandate. The role of NGOs, Farmer Producers Organizations, Self Help Groups, Farmers Cooperatives involved in various extension activities, especially in developing entrepreneurial skills to the farmers and in

making farming a self sustainable one is significant from the ANGRAU linkages with the civil society.

- The University has presently ties with line departments of State Govt. of A. P., such as a) Dept. of Irrigation (Major & Minor), b) Dept. of Marketing, c) Dept. of Cooperation, d) Dept. of Finance, e) Dept. of Forestry, f) Dept. of Agriculture, g) Dept. of Women Development and Child Welfare, h) Dept. of Rural Development, i) Dept. of Consumer Affairs, Food and Civil Supplies, j) Khadi & Village Industries Commission, k) District Industries Corporation, l) Non-conventional Energy Development Corporation of Andhra Pradesh Limited (NEDCAP), m) A. P. Foods, n) Dept. of Education, etc.
- With academics-industry interface and increased importance to PPP by ANGRAU, the graduates and post graduates are gaining employment in various private sectors too, besides employment in Universities and Government departments. The industrial units, private agro-industries, educational institutes, hospitals, hotel industry, apparel and textile industry, etc. are potential employers.
- Collaborative culture within different disciplines also exists in ANGRAU. Establishment of Centre of Excellence is a standing example that shows the inter-departmental linkages facilitating multi-disciplinary research on a common platform.
- The course curricula in Agriculture, Agricultural Engineering & Technology, and Community Science at undergraduate, postgraduate and doctoral levels have inter-disciplinary subjects.
- As part of implementation of V Deans Committee recommendations, inter departmental collaborative courses like i) ELCT 272 (Food Safety Issues offered by Dept. of Plant Pathology and Dept. of Soil Science and Agricultural Chemistry); ii) ELCT 334

(Agrochemicals offered by Dept. of Entomology, Plant Pathology, Soil Science & Agril Chemistry and Agronomy); iii) ELCT 333 (Biopesticides and Biofertilizers offered by Entomology and Plant Pathology); iv) ELCT 222 (Soil, Plant, Water and Seed testing offered by Soil Science and Agricultural Chemistry and Plant Physiology); & v) ELCT 304 (Agricultural Waste Management offered by Agronomy and Soil Science and Agricultural Chemistry) are offered in UG curriculum.

- The PG and PhD students in addition to the majoring courses, also register courses in minor departments and supporting departments that facilitates interdisciplinary linkages not only within the faculty but also across the faculties.
- Further, collaborative research across disciplines in solving field problems is encouraged in ANGRAU research. Emphasis on ICM, INM, IDM, IPM demands interdisciplinary collaborative research for sustainable results over long run.

**6.6.1.9. Monitoring Mechanism (***Whether the University is following comprehensive curriculum monitoring mechanism including teachers' self reflection, surveys on teaching effectiveness, lesson observation, assignment inspection, examination papers review, appraisal system, and curriculum evaluation*)

All the constituent colleges of ANGRAU have a robust monitoring mechanism that facilitates effective evaluation of teachers' performance, reviewing of examination papers, students' appraisal on teachers and on evaluation of course curriculum from time to time to suit the global needs of agriculture on continuous basis.

- At University level, the Faculty Deans, Dean of PG studies and Dean of Student Affairs will be monitoring the performance of faculty from time to time in implementation of various curricular and co-curricular activities.

- Academic Council and Faculty Board are the apex bodies at University level that will monitor the execution of academic programmes and activities effectively by the faculty at various colleges.
- At college level, Associate Deans will be monitoring and assessing the implementation of various curricular, co-curricular and extra-curricular activities by the faculty. At Department level, Head of the Department will act as evaluator in monitoring the performance of the department faculty. Associate Deans and HoDs make surprise visits to assess faculty's skills in delivering lectures and in imparting latest findings in students' research.
- Associate Deans also monitor the faculty for timely preparation and submission of examination papers, performance register of students, evaluation of records and answer sheets, conducting of examinations, taking up of classes, etc.
- Associate Dean is vested with powers to constitute an Internal Quality Assurance System for planning, execution of academic programs and evaluation of faculty performance annually.
- All the constituent colleges have a functional "Academic Management Systems" that discusses and finalizes the issues related to students. The AMS facilitates monitoring and management through different modules such as a) courses management, b) student management, c) faculty management, d) administration management, etc. Both the faculty and students enroll as members of AMS and credentials of faculty will be evaluated frequently by the Associate Deans and concerned Deans.
- Similarly, the monthly research progress of faculty in research is monitored and evaluated through "Agricultural Research Management Systems" (ARMS), and their

presentations at Pre-ZREAC, ZREAC and State Level Technical Program (SLTP) of works. Separate SLTPs for extension scientists are being conducted annually to review the progress of extension faculty.

- The action taken reports of the faculty to the issues raised in teacher-student council meetings will be evaluated from time to time through the teacher-student council meetings conducted half-yearly and the feedback from students will be collected, reviewed and resolved if any.
- Classroom teaching activities of faculty are regularly monitored by the Associated Deans through surveillance-CC cameras. Further, the punctuality of faculty attendance and timings of attendance are also monitored through biometrics.
- Database on faculty in research, extension and teaching disciplines are being maintained at Planning & Monitoring Cell at University level to further facilitate on faculty improvement.
- Self appraisal reports (work done reports) will be submitted by the faculty annually and will be duly endorsed by the concerned Associate Dean/Associate Director of Research at zonal level to assess their annual performance. These reports will further be evaluated in the form of Performance Based Appraisal System" at University level for faculty promotion under Career Advancement Scheme" (CAS).
- Frequent inspections on assignments given by faculty to students, review of mid-term examination papers by Associate Deans are also part of the monitoring mechanism in the University. The semester final examination question papers will be scrutinized through moderation by the O/o the Controller of Examinations at University level.
- Course curriculum revisions were carried out based on V Deans' Committee

recommendations in all the faculties and are being implemented in the ANGRAU colleges.



**Fig 2. Meeting for revision of UG curriculum as per the V Deans Committee recommendations held at Agricultural College, Bapatla on October 5, 2016**

- At post graduate and doctoral level, the research work assigned to students will be approved at University level through presentations at SLTPs conducted by the Director of Experimental Stations. Further, the PG and Doctoral research is evaluated periodically by Associate Deans and Dean of Post Graduate Studies.



**Fig 3. Interaction with students of Agricultural College, Rajamahendravaram by Dr. A. Vishnuvardhan Reddy, Hon'ble Vice Chancellor, ANGRAU**

**6.6.1.10. Institute Quality Assurance Cell / PME Cell** (*Please mention establishment and the active functioning of both the cells and kind of outcome based assignment presently being carried out through these cells*)

- The Planning & Monitoring Cell (P&M Cell) was established during the year 1986 in ANGRAU and is looking after the duties of quality assurance, sustenance and its promotion. This P&M Cell was headed by the Director (Planning & Monitoring). The Director (Planning & Monitoring) also acts as Transparency Officer of the University and oversees fulfilling the obligations of "Section 4 of the RTI Act, 2005, duly maintaining the transparency in implementation. The P & M Cell works with the overall objectives of planning, monitoring and evaluation of various developmental programmes and activities of the University. The Cell is also responsible for ANGRAU website development and maintenance.

- The P&M Cell acts as a liaison office for ANGRAU with other Government and Non-Government organizations. This Cell does the job of compilation and submission of data and information in ANGRAU in different formats to be submitted to various agencies at National and International level. It is also responsible for the maintenance and up-gradation of human resource data base of the University; information provider to statutory bodies; preparation of convocation report of the Vice Chancellor, etc.
- The P & M Cell submits reports from time to time to State and Central Governments. Majorly, the reports submitted to State Govt. of AP include information on University to the A.P. State Legislative Assembly through the address given by His Excellency, the Governor of Andhra Pradesh and the Budget Speech of the Hon'ble Minister of Finance, GoAP. It also submits reports to State GoAP in the form of a) Monthly Report of ANGRAU to be included in Hon'ble Governor's report for submission to Hon'ble President of India and b) "Monthly Appraisal Report of ANGRAU" submitted to "The Deputy Secretary to Govt., Agrl. & Cooperation (Agrl. IV Dept.), GoAP". Besides, the P & M Cell also prepares "Significant Events of ANGRAU" to be presented at the "Meetings of Board of Management of ANGRAU".
- As a "Nodal Officer" for the ICAR, the Director, P&M Cell discharges duties relating to day to day correspondence on various issues in general pertaining to information on Indian Rankings like National Institutional Ranking Framework (NIRF); ICAR Rankings of ANGRAU; Preparation and submission of Annual Reports of ANGRAU to be submitted to ICAR under "Strengthening and Development Grant"; uploading the information regarding JRF/SRF, NTS -UG/PG, Student Ready Programme; Strengthening of Library Facilities; Audit Utilization Certificates etc. in ICAR Education

Portal, Tribal Sub Plan Report, ELP Report, Impact assessment report, ICAR annual progress report, Demand proposals to ICAR, Information to upload in the DBT DARE portal etc.

- In addition to these, the Planning and Monitoring Cell also takes the responsibility of consolidating statistical data and submits reports to UGC, AISHE (All India Survey on Higher Education), IAUA (Indian Agricultural Universities Association), APSCHE (Andhra Pradesh State Council of Higher Education), etc.

**6.6.1.11 Collaboration with Academic Institutions and Industry:** (*What type and how much collaboration are currently in place with academic institutions and industry? Does the University have some more proposals for the future collaboration? Give details with road map*.)

- Presently, ANGRAU, as an academic institution has collaborations at National and International level in different areas. The collaboration with Academic Institutions in the country such as a) University of Agricultural Sciences, Dharward, Karnataka; b) Indira Gandhi Krishi Vishwavidyalaya, Raipur, c) Dr. Y.S.R. Horticultural University, Venkataramannagudem, Andhra Pradesh; is in the aspects of mutual research cooperation, exchange of knowledge, student admissions, faculty in-service doctoral programme admissions, etc. Similar collaborations also exist with other SAUs in the country for deputing University faculty for higher education in identified deficiency areas. With regard to international collaborations of ANGRAU with academic institutions such as a) Kansas State University, USA; b) Oklahoma State University, Stillwater, USA; c) New Mexico State University, USA; and d) University of Western Australia is regarding student placement, promoting integrity of research, possible dual degree/twinning programmes to Undergraduates and faculty training programmes etc.

- ANGRAU has collaborations with several National Institutes for meeting its academic, research and extension mandates. Faculty trainings in relevant subject areas, collaborative research on mandate issues, student exposure visits and research needs are the broad areas for collaborations with National Institutes. The details of National and International Collaborations of ANGRAU are detailed below.

Table 3. National and International Collaborations of ANGRAU with Academic Institutions and Industry

| S. No. | Name of the Institute | Expiry of Agreement |
|---|---|---|
| **National** | | |
| 1 | Indian Council of Agricultural Research (ICAR), New Delhi | Active from 12th March, 2018 (Valid till either party desires to terminate) |
| 2 | Netaji Subhash Southern Centre Mysore Road, Bangalore | 10y / 22.05.2025 |
| 3 | University of Agricultural Sciences Dharward, Karnataka | 5y / 14.02.2022 |
| 4 | Indian Institute of Horticultural Research, Bangalore | 5y / 21.12.2021 |
| 5 | Indira Gandhi Krishi Vishwavidyalaya, Raipur | 3y / 10.02.2023 |
| 6 | ICAR-Indian Institute of Oil Seeds Research, Rajendranagar, Hyderabad | 3y / 04.12.2022 |
| 7 | Dr. Y.S.R. Horticultural University Venkataramnnagudem | Active from 25th June, 2014 (Valid till either party desires to terminate) |
| 8 | Centre for Cellular and Molecular Biology (CCMB), Hyderabad | 3y / 15.05.2021 |
| 9 | Water and Land Management Training and Research Institute, Hyderabad | 3y / 01.04.2022 |

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| 10 | ICAR- Central Institute for Cotton Research, Nagpur | 3y / 21.01.2022 |
| 11 | Food Processing Sector in AP and State Govt. of AP | 5y / 16.10.2022 |
| 12 | ICAR-Indian Institute of Millets Research, Institute, Hyderabad | 3y / 09.01.2023 |
| 13 | National Cooperative Development Corporation, New Delhi | 5y / 18.11.2025 |
| **International** | | |
| 14 | Kansas State University Manhattan, USA | Active from 25th April, 2006 (Valid till either party desires to terminate) |
| 15 | Oklahoma State University Stillwater, USA | Active from 10th February, 2012 (Valid till either party desires to terminate) |
| 16 | University of Western Australia Western Australia, Australia | 5y / 17.10.2023 |
| 17 | New Mexico State University, USA | 5y / 03.08.2025 |

- In addition, Orientation Training to newly recruited faculty in ANGRAU is met with the help of national academic institutions like NAARM and MANAGE. ICAR, besides being an accreditation granter is also a fulcrum for identifying ANGRAU as a research collaborative partner. ICAR-AICRP schemes on various crops are being implemented in ANGRAU. Apart from this, several ICAR institutes are offering training programmes to ANGRAU faculty and allowing students of ANGRAU for pursuing their Masters' and Ph.D. research leading to higher degrees.
- ANGRAU has multifarious benefits in PPP with several agro-based industries in academics, research and extension. These collaborations also help in generating revenues to the faculty and also to the University. However, ANGRAU has plans to widen its base

and promote PPPs with the blue print of a) widening its scope and perspectives in expanding its knowledge base, b) generating additional revenue, c) attracting bursaries to students during their stint in the campus d) facilitating exposure visits to industries for the students, e) popularization of technologies through industrial extension work, f) patenting of technologies developed in PPP mode, g) knowledge sharing through guest talks by industry experts, etc.

- Above all, industry-orientation to students and changing their outlook and enhancing the entrepreneurial skills of students, besides facilitating students association with industrial sector as a part of Student READY programme is the future plan of ANGRAU.

### 6.6.2. ACADEMIC SUPPORT

**6.6.2.1. Academic Council:** (*Provide the composition and date of Academic Council Meetings held in last five years along with ATRs*)

**a) Composition of Academic Council (AC)**: On the academic front, the University has three Faculties *viz.,* Agriculture, Agricultural Engineering & Technology and Community Science. Hon'ble Vice Chancellor is the Chief Executive and the Registrar acts as the Ex-Officio Secretary of AC. The members of AC include Vice-Chancellor representative of Other Universities, Members of BoM, ANGRAU; Commissioner & Director of Agriculture, Govt. of A.P., Deans, Directors, Controller of Examinations, Co-opted members, Associate Deans, Associate Directors of Research, University Heads, Professors, Special invitees and other Nominated Members.



**Fig 4. 294th Meeting of Board of Management of ANGRAU at Administrative Office, Lam, Guntur**

**Table 4. Dates of Academic Council Meetings held in Last Five Years**

| S. No. | Details of AC meeting | Date |
|---|---|---|
| 1. | 105th Academic Council meeting held at Auditorium, RARS, Lam, Guntur | 28.12.2020 |
| 2 | 104th Academic Council meeting (held online) at Board Meeting Hall, Administrative Office, ANGRAU, Guntur | 17.07.2020 |
| 3 | 103rd Academic Council meeting held at Seminar Hall, APGC, Lam, Guntur | 17.12.2019 |
| 4 | 102nd Academic Council meeting held at Seminar Hall, APGC, Lam, Guntur | 19.06.2019 |
| 5 | 101st Academic Council meeting held at Seminar Hall, Advanced PG Centre, Lam, Guntur | 15.12.2018 |

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| 6 | 100th Academic Council meeting held at Seminar Hall, Advanced PG Centre, Lam, Guntur | 15.06.2018 |
| 7 | 99th Academic Council meeting held at Advanced PG Centre, Lam, Guntur | 20.12.2017 |
| 8 | 98th Academic Council meeting held at Faculty Block, Lam, Guntur | 09.06.2017 |
| 9 | 97th Academic Council meeting held at Institution of Engineers (India), Dr. K.L. Bhavan, Vijayawada | 25.05.2016 |

The action taken report (ATR) for the Academic Council meetings are presented as below

**Table 5. Action Taken Report on the resolutions of the Academic Council**

| Item No. | Item | Resolution | Action Taken |
|---|---|---|---|
| | | 97th Academic Council | |
| 1. | ANGRAU - Manpower requirement & assessment in agriculture sector in A.P – Starting of Agricultural Colleges in private sector to meet the requirements – Norms and Guidelines for EoI – Regarding. | Approved (Resolution No.2789) | In response to the EoI notification Dt.30.09.2016, eleven applications have been received from the Firms / Reputed Organizations etc. After thorough scrutiny of applications by Phase-I and Phase-II Evaluation Committees, six (06) Societies have fulfilled the requirements for establishment of Private Agricultural Colleges with affiliation to ANGRAU. Orders issued vide Proc.No.1164/Acad./2016, dated 16.11.2016 and Proc.No.1254/Acad./2016, dated 30.11.2016. These six (6) Colleges started functioning from the Academic Year 2016-17. |

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| 2. | ANGRAU – PG Studies – Starting of PG programmes in all disciplines of the Faculty of Home Science at Advanced PG Centre, Lam after bifurcation as per resolution No.2775 of the 96th Academic Council – Initiation of M.Sc. (Food Technology) Course – Regarding. | (Resolution No.2790) | Issued orders vide Memo.No.5023/Acad./PG /2016, dated 15.06.2016 for discontinuation of the M.Sc. (Food Tech.) course by the University from the academic year 2016-17. |
| 3. | ANGRAU – PG Studies – Eligibility of P.G. Students specialized in Agricultural Biochemistry for pursuing Ph. D. Studies in Molecular Biology and Biotechnology Microbiology – Regarding. | Approved<br>(Resolution No.2791) | Issued orders vide Proc.No.4999/PG/2016, dated 15.06.2016 to consider the M.Sc. (Ag.) in Plant Bio- Chemistry as one of the eligibility qualifications for pursuing Ph.D. Studies in Molecular Biology & Bio-Technology / Micro Biology and to provide one seat under in-service quota from the academic year 2016-17 in Molecular Biology & Bio-Technology. |
| 4. | ANGRAU – P.G. Studies – Eligibility for pursuing Ph.D. under in-service Quota – Age Relaxation from 45 to 47 years (2 years) – Ratification – Regarding. | Ratified<br>(Resolution No.2792) | ..... |
| 5. | Agricultural College, Bapatla – Ms.T Anusha, BA/2012-006 – Re-Registering Internship | Approved<br>(Resolution No.2793) | Permitted Ms.T Anusha, BA/2012-006, to reregister the Internship Programme immediately after AELP. |

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| | Programme – Consideration – Requested – Regarding. | | Orders issued vide Proc.No.264/Exam/2016, dated 02.06.2016 |
| 6. | ANGRAU – Estt. – Proposals for fixing the number of seats and identification of deficiency areas / Institutions for prosecuting Ph.D. within ANGRAU and outside ANGRAU for the academic year 2017-18 - Regarding. | Approved (Resolution No.2794) | Guidelines on deputation of Teachers/ Scientists for prosecuting Ph.D. programmes for the year 2016-17 within and outside the University have been communicated through circular Memo. No.3666/Services II/A2/2016, dated 02.06.2016. |
| 7. | ANGRAU – UG Programme – Share of ANGRAU in B.Sc. (CA&BM) and B.Sc.(Hons.) Fashion Technology courses in PJTSAU – Decision by PJTSAU not to offer the courses from 2016-17 – Regarding. | Approved. (Resolution No.2795) | As per the resolution of the Academic Council the courses of B.Sc.(CA & BM) and B.Sc.(Hons.) Food Science & Nutrition were discontinued from the academic year 2016-17. |
| 8. | ANGRAU - Polytechnics – Starting of Diploma Course in Climate Resilient Agriculture – Regarding | Approved (Resolution No.2796) | Orders have been issued for starting of New Diploma Course in Organic Farming in place of Diploma in Agriculture at Agricultural Polytechnic at RARS, Chintapalli, Vishakapatnam district (University Polytechnic) with an intake of 25 students and Adarana Agricultural Polytechnic, Rapthadu Mandal, Anantapuramu District (Private Polytechnic affiliated to ANGRAU) vide Proceeding No.3479/Poly./2016-17, Dt.16.06.2016. |

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| 9. | Any other items | (Resolution No.2797) | Orders issued for co-opting Sri V.V.V. Satyanarayana, Chief General Manager, Regional Office, NABARD, Hyderabad as a Member of Academic Council vide Proc.No.278/Acad./2016, dated 03.06.2016. |
| | **98th Academic Council** | | |
| 10. | ANGRAU-UG-Admissions in ANGRAU-Farmers Quota-Limit of three (3) acres to one (1)-Regarding | (Resolution No. 2798) | University has addressed the Government for reduction in the requirement of land holdings from 3 acres to one acre for candidates of all Social categories for admission into UG programmes under Farmer quota of 40% seats from the year 2018-'19 vide Lr.No. 5898/SC/2017 dt. 11.07.2017. |
| 11. | ANGRAU-Tenure of the University Officers, up-gradation of the posts of the Associate Deans at Deans of Colleges and reducing the term of Associate Directors of Research-Regarding | (Resolution No. 2799) | Orders have been issued to constitute a committee with Deans and Directors, 3 Board members and requested to examine the issues in detail and submit a report to the Registrar vide Proc. No. 425/SC/2017 dt. 19.07.2017. |

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| 12. | ANGRAU-Faculty of Agricultural Engg. & Technology-Uniformity in the intake of seats in the UG courses-B.Tech. (Agril. Engg.) and B.Tech. (Food Tech.) from the academic year 2017-'18-Regarding | (Resolution No. 2800) | Committee was constituted and report was submitted and the report is to be placed in the forthcoming meeting of Faculty Board of Agricultural Engineering & Technology & Academic Council. |
| 13. | ANGRAU-Proposals for fixing of number of seats under identification of deficiencies area/institutions for prosecuting Ph.D. within ANGRAU and outside ANGRAU for the Academic year 2017-'18- Regarding | (Resolution No. 2801) | Revised deficiency areas outside ANGRAU for Ph.D. studies to be placed in 99$^{th}$ Academic Council meetings. |
| 14. | ANGRAU-Regulations governing U.G. Programmes in the University – Approval-Regarding | Approved (Resolution No. 2802) | U.G. Academic Regulations amended up to 25.11.2017. The publication is released in 99$^{th}$ Academic Council. |
| 15. | ANGRU-Establishment of Private Agricultural Colleges in Andhra Pradesh with affiliation to ANGRAU-Information-Regarding | (Resolution No. 2803) | Noted by the Academic Council |
| 16. | Endowmets-Institution of Endowment in the name of "Sri Raja Emmanuel Royal Kondeti Gold Medal" at University level to S.C. Student who secures highest OGPA in B.Sc. (Agriculture) – Approval - Regarding (Exams) | Approved (Resolution No. 2804) | Orders have been issued for Endowment award in the name of "Sri Raja Emmanuel Royal Kondeti Gold Medal" at University level to S.C. student who secures highest OGPA in B.Sc (Agriculture) issued vide proceeding no. 5913/Exams/2017, |

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| | | | dt.04.09.2017 and also issued award in the 49th Annual Convocation which was held on 04.10-2017 at Nellore. |
| 17. | ANGRAU-P.G. Studies-Admission of UG Students of Private Universities into PG courses of Acharya N G Ranga Agricultural University-Regarding | Resolution No. 2805) | Constituted a committee vide proceeding no. 008987/PG/2017, dt.20.06.2017 and as per the Committee report, the UG students of Centurion University and Annamalai University were allowed to write PG Entrance Examination for the year 2017-'18. |
| 18. | ANGRAU-PG studies-Institution of New Gold Medal in the name of Late Sri Papolu Murahari Rao-Regarding | Resolution No. 2806 | Addressed a letter to the donor of the Medal for depositing an amount of Rs. 2,00,000/- towards institution of Gold Medal vide Lr. No.000889/PG/2017, dt.08.09.2017 |
| 19. | ANGRAU-PG Studies-Revision of Remuneration rates to the External Examiners-Effective from Academic year 2017-'18-Regarding | Approved (Resolution No. 2807) | Approved as per the Proceeding No. 000916/PG/2017, dt. 23.10.2017 and also implemented from 09.06.2017. |
| 20. | ANGRAU-PG Studies-Number of seats for PG and Ph.D. courses-College wise and subject wise for the academic year 2017- | Approved (Resolution No. 2808) | As per the approved seat position, the counseling was conducted and students were admitted for the academic year 2017-'18 |

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| | ’18-Regarding | | |
| 21. | ÀNGRAU-Agricultural Science-Institute of the Best College Award for the college which has outperformed-Regarding | Approved. Resolution No. 2809) | Orders have been issued for Institute of the Best College Award for awarding the College which has outperformed across the faculties of Agriculture, Agricultural Engineering & Technology and Home Science in the University from 2017-’18 onwards and will be awarded every year. The award winning institution will be felicitated with a Memento, Certificate and Cash Prize vide proceeding no. 10188 Agril Sci./2017, dt. 06.12.2017. |
| 22. | ANGRAU-Agricultural Science-Implementation of supernumerary seats of 20 per cent for both A&B categories of the UG seats (B.Sc. (Ag) for the diploma holders of Agriculture and Seed Technology in the Private Agricultural Colleges from the ensuring Academic year-Ratification –Regarding | Ratified (Resolution No. 2810) | Ratification orders have been issued vide proceeding no. 889/Agril Sci. /2017, dt. 07.11.2017. |
| 23. | ANGRAU-Agricultural Science-Revision of course syllabus as per the recommendations of the V Deans | Ratified (Resolution No. 2811) | Ratification orders have been issued vide proceeding no. 890/Agricultural Science./2017, dt. 07.11.2017. |

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| | Committee of ICAR-Ratification-Regarding | | |
| 24. | ANGRAU-Agricultural Science –Change of Nomenclature of B.Sc. (Ag.) as B.Sc. (Hons.) Agriculture-Ratification – Regarding | Ratified (Resolution No. 2812) | Ratification orders have been issued vide proceeding no.891/Agricultural Science/2017, dt. 07.11.2017. |
| 25. | ANGRAU-Redesignation of cadres in ANGRAU-Committee report for discussion during the academic council meeting-Regarding | Resolved (Resolution No. 2813) | Deferred for the time being. |
| 26. | ANGRAU-Agricultural Science-Starting of AGRICARNIVAL at University level from the academic year 2017-'18-Regarding | Approved (Resolution No. 2814) | Orders have been issued for starting of AGRICARNIVAL at University Level from the academic year 2017-'18 vide proceeding no. 446/Agril. Sci./2017, dated 25.07.2017 and also conducted of AGRICARNIVAL at University level for the academic year 2017-'18 with for Rs. 2,00,000/- vide University proceeding No.962/Agril. Sci./2017, dated 27.11.2017. |
| 27. | ANGRAU-Agricultural Science-Starting of Open Distance Learning Centre (ODLC) at University Head Quarters-Regarding | Approved (Resolution No 2815) | Orders have been issued for starting of Open Distance Learning Centre (ODLC) at University Head Quarters with few selected courses only for |

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| | | | the academic year 2017-'18 vide proceeding no. 7259/Agril. Sci./2017, dated 14.07.2017. Dr. K. S. Purnima, Scientist (Extension) was also posted vide memo. No. 20784/Ser.II/A1/2017, dated 10.11.2017 and joined on 04.12.2017. |
| 28. | Student development programmes to the undergraduate students in all the Agricultural Colleges-Regarding | Approved (Resolution No. 2816) | Orders have been issued for conduction of one day student development programmes to the under graduate students in all the Agricultural Colleges for the academic year 2017-'18 vide proceeding no. 963/Agril.Sci./2017, dated 27.11.2017. |
| 29. | ANGRAU-Home Science-Meeting of the Academic Council-UG Programme restructured as per Fifth Deans Committee Recommendations (i) To rechristen B.Sc. (Hons) Home Science as B.Sc.(Hons.) Community Science-Regarding | Ratified (Resolution No. 2817) | Ratification orders have been issued to the Associate Dean, vide M. No. 12583/H.Sc/2017. Dt. 26/07/2017 |
| 30. | ANGRAU-Home Science-Meeting of the Academic Council-UG Programme restructured as per Fifth Deans committee recommendations (ii) Offering one UG Programme B.Sc.(Hons) Community | Ratified (Resolution No. 2818) | Ratification orders have been issued to the Associate Dean, College of Home Science, Guntur, vide M. No. 12584/H. Sc/2017, dt. 26/07/2017. |

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| | Science under the faculty of Home Science –Regarding (Home Science) | | |
| 31. | ANGRAU-Home Science –Meeting of the Academic Council-UG Programme restructured as per Fifth Deans Committee Recommendations (iii) Bifurcation of certain departments, Nomenclature of departments and distribution of credit hours-Regarding | Ratified (Resolution No. 2819) | Ratification orders have been issued to the Associate Dean, College of Home Science, Guntur ,vide M. No. 16448/H. Sc/2017, dt. 2/8/2017. |
| 32. | ÀNGRAU-Home Science- Meeting of the Academic Council-UG Programme restructured as per Fifth Deans Committee Recommendations (i) Total Credit hours for the B.Sc. (Hons.) Community Science Programme –Regarding (Home Science) | Approved (Resolution No. 2820) | Orders have been issued for distribution of credit hours for B.Sc. (Hons) Community Science Programme vide Proc. No 592/H.Sc. /2017 dt. 23.08.2017. |
| 33. | ANGRAU-Home Science-Meeting of the Academic Council – UG Programme restructured as per Fifth Deans Committee Recommendations- (ii)- Basic supporting courses of science and humanities Non-Gradial Course-Regarding (Home Science) | Approved (Resolution No. 2821) | Orders have been issued for inclusion of the basic supporting courses of Science and Humanities and Non—Gradial Courses in the B.Sc. (Hons) Community Science Programme along with core courses vide 593/H.Sc./2017, dt.: 23.08.2017. |

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| 34. | ANGRAU-Home Science-Meeting of the Academic Council – UG Programme restructured as per Fifth Deans Committee Recommendations- (iii) Core courses of Department of Food Science and Nutrition, Apparel and Textiles, Resource Management and Consumer Science, Human Development and Family Science, Extension Education and Communication Management Elective Courses Student Ready Programme Semester wise Course distribution-Regarding | Approved (Resolution No. 2822) | Orders have been issued to follow the approved<br>(i) Course titles, course numbers and credit load for the core courses<br>(ii) Course title, Course numbers and credit load for the Elective and<br>(iii)Student READY programme to be offered by the Dept. of Food & Nutrition, Apparel and Textiles, Resource management and Consumer Science, Human Development and Family Studies, Extension Education and Community Management.<br>(iv)Semester wise distribution of courses for the course B.Sc. (Hons) Community Science Programme vide Proc. No. 668/H.Sc/2017, dt. 08.09.2017. |
| 35. | ANGRAU-PG Studies-Agricultural College, Bapatla-Ph.D. student, Mrs. K.J.V. Kumari Sirisha, I.D.No.BAD/2015-'16 - Maternity leave for a period of 215 days-Request-Regarding | Approved (Resolution No. 2823) | Orders have been issued for Ph.D. student, Mrs. K.J.V.Kumari Sirisha, ID No. BAD/2015-'16-Maternity leave for a period of 215 days vide Proceeding no.008983/A1/PG/2017, dt. 08.09.2017. |

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| 36. | ANGRAU-PG Studies-Renaming of Department of Environmental Science & Technology, ANGRAU as Department of Environmental Sciences – Regarding (PG Studies) | Approved (Resolution No. 2824) | Orders have been issued for Renaming of Department of Environmental Science & Technology, ANGRAU as Department of Environmental Sciences vide Proceeding no. 00891/PG/2017, dt. 12.10.2017. |
| 37. | ANGRAU-PG Studies-Proposal for organization of an Annual Post Graduate Students-National Conference-Regarding | Approved (Resolution no. 2825) | File under process and for the academic year, 2017-'18 the programme will be organized in the month of February, 2018. |
| 38. | ANGRAU-PG Studies-Setting of M.Sc. Level/Ph.D. level entrance examination question papers by the teaching faculty from outside ANGRAU-Proposal – Regarding (PG Studies) | Approved (Resolution No. 2826) | Orders have been issued for setting of M.Sc. Level /Ph.D. level entrance examination question papers by the teaching faculty from outside ANGRAU vide proceeding No. 008963/PG/2017, dt. 08.09.2017. |
| 39. | ANGRAU-PG Studies-Establishment of Institute of Agri-Business Management for offering MBA (ABM) in Guntur, A.P.-Regarding | Approved (Resolution No. 2827) | Addressed a letter to the Government of Andhra Pradesh for sanction of posts and funds for infrastructure development at Guntur. |
| 40. | ANGRAU-Faculty of Agril Engg. & Tech. -5$^{th}$ Deans' Committee Recommendations – B.Tech. (Ag. Engg.) & B.Tech (Food Technology) Degree programmes-Revised | Ratified<br>(Resolution No. 2828) | Ratified for I & II Semesters and approved for remaining Six semesters. The same was communicated to concerned colleges for implementation. |

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| | UG course curricula for 2016 admitted batch from the academic year 2016-'17 – Implemented-Ratification for I year I & II Semesters and approval for remaining six semesters-Regarding | | |
| 41. | ANGRAU-Renaming of the Departments in the B.Tech. (Agri. Engg.) degree proramme – As per the V Dean's committee Recommendations in Agricultural Engineering colleges under Faculty of Agricultural Engineering & Technology-approval-Regarding | Approved (Resolution No.2829). | Approved and the same was communicated to concerned colleges for implementation /adoption |
| 42. | ANGRAU-Renaming of the Departments in the B.Tech. (Food Technology) degree programme – As per the V Deans' Committee Recommendations in Food Science & Technolgy Colleges under Faculty of Agricultural Engineering & Technology-Approval-Regarding (AE&T) | Approved (Resolution No.2830) | Approved and the same was communicated to concerned colleges for implementation /adoption |
| 43. | ANGRAU-UG Programme - B.Tech.(Agril. Engg.) candidates admitted | (Resolution No. 2831) | Committee was constituted and report was submitted and the report is to be placed in the |

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| | directly into second year (lateral entry) through entrance test from 2015-'16- Number of credits for graduation requirement – Regarding (AE&T) | | forthcoming meeting in faculty Board of Agricultural Engineering & Technology and Academic Council. |
| 44. | ANGRAU-Faculty Board Meeting of Agricultural Engineering & Technology-Eligibility criteria for B.Tech. (Food Technology) Programme-Regarding (AE&T) | (Resolution No. 2832) | A decision was taken to maintain the status Quo. |
| | | **99th Academic Council** | |
| 45. | ANGRAU - Endowments – Institution of Endowment in the name of "Late Sri Papola Murahari Rao" at College level to the student who secures highest OGPA in B.Sc.(Agriculture/B.Sc.(Hons.) Agriculture and at University level to the student who secures highest OGPA in B.Tech. (Agricultural Engineering) & B.Sc. (Hons) Home Science/B.Sc. (Hons) Community Science from 2018- Regarding. | Approved<br>(Resolution No. 2833) | Sanction orders were issued for the institution of Gold Medal in the name of "Late Sri Papola Murahari Rao" to be awarded to the Undergraduate students who secures highest OGPA in B.Tech. (Agricultural Engineering) & B. Sc. (Hons) Community Science at University level vide Proc.No.5916/Exams/2017 dt:05.02.2018. |
| 46. | ANGRAU – Proposals for fixing the | Approved. | Certain guidelines were communicated for |

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| | number of seats and identification of Deficiency areas/Institutions for prosecuting Ph.D. within ANGRAU and outside ANGRAU for the academic year 2017-18 – Regarding. | (Resolution No. 2834) | prosecuting Ph.D. within ANGRAU and outside ANGRAU for the Academic Year 2017-18 vide Cir.Memo. No.003666/ Ser.II/A2/2017 Dated: 27.12.2017 |
| 47. | ANGRAU - Unethical practices during the publication of research articles of students and scientists research work – Regarding. | (Resolution No. 2835) | The Ethics Committee has been constituted and requested to suggest modalities for sore card vide Proc.No.1422/Acad./2018, dated 06-03-2018. The Committee has to submit the report which is placed in this Academic Council for discussion and approval. |
| 48. | GOI - A & C Department – Declaration of UG Courses in Agriculture and Allied subjects as Professional Degree Courses – Regarding. | Approved<br>(Resolution No. 2836) | A copy of Declaration of UG Courses in Agriculture and Allied subjects as Professional Degree Courses received from the Government of India through Special Chief Secretary, GoAP have been communicated to the concerned officers vide U.O.Note no.13115/Acad/2017, Dt. 20.02.2016. |
| 49. | ANGRAU – Affiliated Agricultural Colleges – B.Sc. (Hons) Agriculture Students – Transfer of students from one college to another college on request – | Ratified<br>(Resolution No. 2837) | The guidelines are issued applicable to Private Colleges vide Proc.No.7138/Acad./Exams/2017, dated 23.11.2017. |

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| | certain Guidelines – issued - Ratification – Regarding. | | |
| 50. | ANGRAU – Agril. Sci. – Recruitment process of Teachers/Scientists in the State of Agricultural Universities – Regarding. | Approved (Resolution No. 2838) | The weighatage in written examinations credential of the applicant and interview in the ratio 50:30:20 for recruitment process of Teachers/Scientists in the State Agricultural Universities have been communicated through Proc.No.103/RC/A1/2018, dated 08.05.2018. |
| 51. | ANGRAU – Agril. Science – Setting age limit for Recruitment of Assistant Professors through Direct Recruitment. – Regarding. | (Resolution No. 2839) | Orders have been issued regarding setting age limit for recruitment of Assistant Professors through direct recruitment to all concerned officers vide Proc.No.1455/RC/A1/2018 dt: 13.03.2018 |
| 52. | ANGRAU – Agril. Science - Consideration and Weightage to the "conduct and character of the applicants" for selection and promotion to higher posts through career Advancement Scheme, Direct Selections and Nomination – Regarding. | (Resolution No. 2840) | As per the instructions of the Hon'ble Vice-Chancellor, more information is to get from ICAR/SAUs. In this connection a letter is addressed to ICAR for getting the information and placed before ensuing Board of Management. |
| 53. | ANGRAU – Agril. Science – Eligibility Criteria for the post of Assistant Professors | Approved (Resolution No. 2841) | Orders were issued regarding eligibility Criteria for the post of Assistant Professors and Teaching |

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| | and Teaching Associates in Agri-Business Management – Regarding. | | Associates in Agri-Business Management vide. Proc.No.1164/Agril.Sci/2017-18 dt.08.01.2018 |
| 54. | ANGRAU – Agril. Science – Finalization of the name of the Department and Provision of additional posts in the Department of Statistics – Regarding. | (i) Approved<br>(ii) (Resolution No. 2842) | Instructions were given to the concerned officials for Finalization of the name of the Department and Provision of additional posts in the Department of Statistics vide. Proc.No.1476/Agri.Sci/2018 dt:15.03.2018. |
| 55. | ANGRAU – Agril. Science – Inclusion of New Topics in B. Sc. (Hons) Agriculture Syllabus – Regarding. | Approved<br>(Resolution No. 2843) | Orders were issued for inclusion of New Topics in B.Sc. (Hons) Agriculture Syllabus vide Proc.No.1431/Agril.Sci./2017-18 dt: 07.03.2018 |
| 56. | ANGRAU – Agril. Science – Establishment of Department of Agricultural Meteorology in ANGRAU – Regarding | Approved<br>(Resolution No. 2844) | Orders were issued for establishment of Department of Agricultural Meteorology in ANGRAU vide. Proc.No.1430/Agril.Sci./2017-18 dt: 07.03.2018 |
| 57. | ANGRAU – Agril. Polytechnics – Revision of Syllabus of Agricultural Polytechnics from the Academic Year 2018-19 onwards – Regarding. | (i) Approved<br>(Resolution No. 2845) | Orders were issued for revision of Syllabus of Agricultural Polytechnics from the Academic Year 2018-19 onwards vide proc.No.7388/ Polytechnics/2018 dt: 08-05-2018 |
| 58. | ANGRAU – Home Science – Change of nomenclature of College and Faculty of Home Science as College of Community | Approved<br>(Resolution No. 2846) | This item was approved in the meeting of the Board of Management. A letter was addressed to Government for change of nomenclature of the |

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| | Science and Faculty of Community Science – Regarding. | | College of Home Science as College of Community Science and Faculty of Home Science as Faculty of Community Science on 14.03.2018. |
| 59. | ANGRAU – Home Science – Admission to Boys in the UG Course B.Sc. (Hons) Community Science – Regarding. | Approved (Resolution No. 2847) | Orders were issued vide Proc.No.1363/Com/.Sci. /2018, dt: 21-02-2018 and a U.O note was addressed to the Controller of Examinations to take necessary action in the matter. |
| 60. | ANGRAU – Home Science – Extending the Internship facilities outside Andhra Pradesh – Regarding. | Approved (Resolution No. 2848) | Orders were issued to the Associate Dean, College of Home Science, Guntur Vide.Proc.No.1317/Com.Sci/2018, dt:07.02.2018 |
| 61. | ANGRAU – Home Science – Certificate Course for AWW on Nutrition and Early Childhood Care and Education (ECCE) – Regarding. | Approved (Resolution No. 2849) | Orders were issued to the Assist. Professor , Dept. of Agricultural Extension, ODLC to include the Certificate Course for Anganwadi Workers on Nutrition and Early Childhood Care and Education (ECCE) |
| 62. | ANGRAU – Home Science – Student READY Programme Guidelines for conducting Rural Awareness Work Experience – Regarding. | Approved (Resolution No. 2850) | Certain guidelines were communicated to the concerned officers for conducting Rural Awareness Work experience vide Proc.No.1296/Com.Sci/2018, dt: 05.02.2018. |
| 63. | ANGRAU – Home Science – Student READY Programme guidelines for | Approved (Resolution No. 2851) | Orders were issued to the Associate Dean, College of Home Science, Guntur for implementation of |

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| | implementation of Internship – Regarding. | | Internship Vide Proc.No.1289/ Com.Sci/2018 dt: 05.02.2018. |
| 64. | ANGRAU – Home Science – Student READY Programme guidelines for implementing Experiential Learning Programme – Regarding. | Approved (Resolution No. 2852) | Orders were issued to the Associate Dean, College of Home Science, Guntur Vide Proc.No.1290/Com.Sci/2018, dt: 05.02.2018. |
| 65. | ANGRAU – UG Programme – B.Tech. (Agril. Engg.) candidates admitted directly into second year (Lateral Entry) through entrance test from 2015-16 – Number of Credits for graduation requirement – Regarding. | Approved (Resolution No. 2853) | The Controller of Examinations is requested to issue the consolidate transcript of marks to the lateral entry students accordingly vide U.O. Note no112687/AE&T/2017, dated 10.01.2018. |
| 66. | ANGRAU – AE & T section – Uniformity in the intake of seats in UG courses in B.Tech. (Ag.Engg.) and B.Tech. (Food Technology) from the academic year 2017-18 – Regarding. | Approved (Resolution No. 2854) | Orders were issued to the Controller of Examinations vide U.O. Note No. 11265/ AE&T/2017 dt:12.01.2018. |
| 67. | ANGRAU – P.G. Studies – Sri T Prasantha Kumar, Ph.D. (Ag.) – In-service, I.D.No.BAD/09-13, Majoring in Agricultural Extension at Agricultural | Ratified (Resolution No. 2855) | Ratification Orders were issued vide Proc.No.000869/PG/2017 dt:05.01.2018 |

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| | College, Bapatla – Extension of time of submission of thesis beyond the stipulated time i.e., 31.01.2017 – Ratification – Regarding. | | |
| 68. | ANGRAU – P.G. Studies – Institution of two (02) Gold Medals in the name of "Prof. N.G. Ranga & Bharathi Devi Ranga Memorial Gold Medal (1900-1995) (for men) and Prof. N. G. Ranga & Bharathi Devi Ranga Memorial Gold Medal (1900-1995) (for women)" – for securing Highest OGPA in Ph.D. programme from any faculty at University level – Regarding. | Ratified<br>(Resolution No. 2856) | Ratification orders were issued vide Proc.No. 019389/ PG/2017 dt:12.04.2018. |
| 69. | ANGRAU – P.G. Studies – Mr. Y. Sai, M.Sc.(Ag.) I.D.No. BAN/2013-31 – Permission accorded for Extension of Time for submission of thesis – Ratification in the Academic Council – Regarding. | Ratified<br>(Resolution No. 2857) | Ratification orders were issued vide .Proc.No. UU-127 /PG/2017 dt:05.01.2018 |
| 70. | ANGRAU – PG – Initiation of New P.G. Programme - M. Tech (Ag. Engg.) in the discipline of Irrigation and Drainage | Approved.<br>(Resolution No. 2858) | Orders were issued vide Proc.No.29733/PG/2018 dt: 04.04.-2018 |

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| | Engineering and M. Tech. (Food Technology) at APGC, Guntur – Regarding. | | |
| 71. | ANGRAU – Agricultural College, Mahanandi – Proposal for starting PG Programme in the Department of Soil Science – Regarding. | Approved (Resolution No. 2859) | Orders were issued vide. Proc.No.29734/PG/2018 dt: 04.04.2018 |
| 72. | ANGRAU – PG - Establishment of Department of Agricultural Meteorology at the APGC, Lam, Guntur and offering PG programme in Agricultural Meteorology – Regarding. | Approved (Resolution No. 2860) | Orders were issued vide Proc.No.29735/PG/2018 dt:06.04.2018 |
| 73. | ANGRAU – PG – Admission of students for PG and Ph. D. in the Faculty of Home Science – Regarding. | Approved (Resolution No. 2861) | Orders were issued vide proc.No.29736/PG/2018 dt:09.04.2018 |
| 74. | ANGRAU –PG Studies – S.V. Agricultural College, Tirupati– Dept. of Molecular Biology and Biotechnology in ANGRAU – Regular Staff – Request- Reg. | Resolved (Resolution No. 2862) | Orders were issued vide.Proc.No.29737/PG/2018 dt:09.04.2018 |
| 75. | ANGRAU – PG Studies – Admissions to PG and Ph.D. Degree Courses for the | Resolved (Resolution No. 2863) | Resolved to maintain status - quo for the year 2018-19 and get the proposal studied thoroughly and |

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| | Academic Year - 2018-19 – Proposal for a modification in the admission process – Consideration of the ICAR – AIEEA ranks/marks in replacing the separate Entrance Test conducted by the ANGRAU for the purpose – Reg. | | place before the100th Academic Council. |
| 76. | ANGRAU – PG Studies – IABM, Tirupati – Revised MBA (ABM) Course Curriculum adopted from the Academic Year, 2016-17– Ratification in Academic Council – Reg. | Ratified (Resolution No. 2864) | Ratified orders were issued vide Proc.No.29648/PG/2017 dt: 05.01.2018 |
| 77. | ANGRAU – Recruitment of University Officers – Minimum length if service recruitment before the age of superannuation for University Officers – Regarding. | Approved (Resolution No. 2865) | Orders were issued for Minimum length if service recruitment before the age of superannuation for University Officers vide University Proceeding No.25093/Ser.II/ A1/2018 dt:05.02.2018. |
| 78. | ANGRAU-Introduction of NRI sponsored Self Finance supernumerary seats in all UG programmes in the University – Regarding. | (Resolution No. 2866) | A committee will be constituted by the University to work put the modalities and guidelines |
| 79. | ANGRAU – Creation of Director of Education post in the University for | (Resolution No. 2867) | Orders were issued for Creation of Director of Education post in the University for academic |

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| | academic matters of all faculties and proposed certain modifications -Regarding. | | matters of all faculties and proposed certain modifications and placed before 285th meeting Board of Management Vide U.O.Note.No.27144 /SC/2017 dt:01.06.2018 |
| | | **100th Academic Council** | |
| 80. | ANGRAU – Unethical practices during the publication of Research Articles of Students and Scientists Research Work – Ethics Committee constituted to suggest the modalities for score card – Ethics Committee report submitted – Regarding. | Approved (Resolution No. 2868) | The matter was placed in the meeting of the Board of Management held on 20.08.2018 at Board Meeting Hall, Administrative Office, Lam, Guntur and resolved that " it is deferred". Ethics Committee may consider the following guidelines: Ethics Policy, Peer reviewing, Plagiarism, Conflict of interests, Slicing of Research. Research involving human subject, Any other related matters<br>The same was informed to the Ethics Committee and the committee has met on 01.11.2018 at Administrative Office, Lam, Guntur to submit the report. |
| 81. | ANGRAU – Home Science – Admission of Boys in the UG Course B. Sc.(Hons) Community Science – Regarding. | Ratified<br>(Resolution No. 2869) | Issued U.O. Note no.7710/H.Sc./2018, dated 11.07.2018 to the Controller of Examinations to take necessary arrangements for admission to Boys into B.Sc. (Hons.) Community Science course along |

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| | | | with girls from the academic year 2019-20. |
| 82. | ANGRAU – Endowments – Institution of Endowment in the name of "Sri Perabathula Adi Pattabhi Ramaiah Memorial Gold Medal" to a student of Agricultural College, Rajamahendravaram who secures highest OGPA in B.Sc.(Ag.) / B.Sc.(Hons.) Agriculture from the ensuing convocation- Regarding. | Approved (Resolution No. 2870) | Issued proceeding No.2148/Exams /2018, dated 01-11-2018 for "Sri Perabathula Adi Pattabhi Ramaiah Memorial Gold Medal" award commencing from the 50th Annual Convocation and onwards. |
| 83. | Introduction of NRI / Industry / Self Finance Supernumerary seats in all UG programmes in the University – Regarding. | (Resolution No. 2871) | Addressed Lr. No. 7203/Acad./2018, Dated 17.07.2018 to the Special Chief Secretary, Agril. & Co-operation Department, GoAP, Amaravati to create 10% supernumerary seats to allocate NRI / Industry / Self Finance Supernumerary seats in all UG programmes in the University and also a reminder was issued with Lr. No. 7203/Acad./2018, Dated 22.11.2018. |
| 84. | ANGRAU – Agril. Science – Consideration of the candidature of students having M.Sc.(Agril.) / Ph.D.(Agril.) with B.Sc.(Hons) Horticulture for the post of | (Resolution No. 2872) | Issued Proc.No.336/Agril.Sci./2018-19, dated 16.07.2018 through which a committee is constituted to examine the feasibility and to submit a detailed report on or before 31.08.2018. |

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| | Assistant Professor in ANGRAU – Regarding | | |
| 85. | ANGRAU – Agril. Science – Providing eligibility for B.Sc. (Hons) Horticulture graduates for registering M.Sc.(Agri.) and Ph.D (Agri.) courses in various agriculture disciplines of ANGRAU – Regarding. | (Resolution No. 2873) | Issued Proc.No.337/Agril.Sci./2018-19, dated 16.07.2018 through which a committee is constituted to examine the feasibility and to submit a detailed report on or before 31.08.2018. |
| 86. | ANGRAU – Agril. Science – To have uniformity in the duration of Educational Tour for Agriculture students of second year B.Sc. (Hons) Agriculture and 4$^{th}$ year 1$^{st}$ semester B.Tech. (Agricultural Engineering) of ANGRAU – Regarding. | Approved (Resolution No. 2874) | Communicated vide Proc.No.310/ Agril. Sci./ 2018-19, dated 11-07-2018 to the Controller of Examinations and Associate Deans of the Agricultural Colleges to implement the orders without fail. |
| 87. | ANGRAU – Agril. Science – Undergraduate studies – Preparation of fixed annual academic calendar– Regarding. | Approved. (Resolution No. 2875) | Issued Proc.No.313/Agril.Sci./2018-19, dated 11.07.2018 through which Controller of Examinations was requested to study the feasibility of fixing uniform calendar across the faculties. |
| 88. | ANGRAU – Agril. Science – First year 2$^{nd}$ Semester courses of AMBE 101 (Agricultural Microbiology) and PATH 171 (Fundamentals of Plant Pathology I (Plant | Approved (Resolution No. 2876) | Issued Proc.No.311/Agril.Sci./2018-19, dated 24-10-2018 through which all the Associate Deans are instructed to implement the changes mentioned in the course structure of B.Sc. (Hons.) Agriculture |

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| | Pathogens- An Introduction)) may be distributed into different semesters and HORT 182 (Production Technology of Fruits an plantation Crops) may be offered in second year – Regarding. | | from the Academic Year 2018-19. |
| 89. | ANGRAU – Agril. Science – Allotment of Undergraduate students to the constituent Agricultural Colleges – Criteria for allotment – Regarding. | Approved (Resolution No. 2877) | Issued Proc.No.312/Agril.Sci./2018-19, dated 11.07.2018 through which the decision to allot 20 seats more to S.V. Agricultural College, Tirupati duly deducting from the quota of Ag. College, Mahanandi was communicated. |
| 90. | ANGRAU – Agril. Science – Integrated Development Plan for National Agricultural Higher Educational Programme – Introduction of New Degree programmes – Regarding | Resolved. (Resolution No. 2878) | Issued Proc.No.338/Agril.Sci./2018-19, dated 16.07.2018 through which the Committee is constituted to work out the modalities for introduce new courses such as twinning programmes/ internships/ integrated degree and to submit a detailed report on or before 31.08.2018. |
| 91. | ANGRAU – Agril. Science – Career Advancement Scheme (CAS) in the revised UGC pay scales of 2006 – Revisions of Score card – Regarding. | Resolved. (Resolution No. 2879) | Issued Proc.No.339/Agril.Sci.2018-19, dated 17.07.2018 through which the Committee is constituted to study in detail and submit the report on or before 31.08.2018. |
| 92. | ANGRAU – Estt. – Proposals for fixing the | Approved. | Issued Cir. Memo. No.14968/Ser.II/ A2/2017, dated |

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| | number of seats and identification of deficiency areas / Institutions for pursuing Ph.D. within ANGRAU and outside ANGRAU for the Academic year 2018-19 – Regarding. | **(**Resolution No. 2880) | 10.07.2018 and communicated the number of seats and identification of deficiency areas / Institutions for pursuing Ph.D. within ANGRAU and outside ANGRAU for the Academic year 2018-19. |
| 93. | ANGRAU – AE & T – Allocation of Staff positions in New Departments as per V Deans Committee recommendations | Approved (Resolution No. 2881) | Issued proc.No.11646/AE&T/2018, dated 21.07.2018 and communicated allotment of three positions to Department of Basic Science and Humanities for B.Tech. (Food Technology) degree programme at College of Food Science & Technology, Bapatla. |
| 94. | ANGRAU – AE & T – 3 year Diploma in Agricultural Engineering – Revision of courses and syllabus contents. | Approved. (Resolution No. 2882) | Issued Proc.No.29548/AE&T/2018, dated 12.07.2018 through which all Principals of Polytechnics and affiliated Polytechnics of Agril. Engineering are informed to adopt the revised courses and credit load and implement the same for 3 years diploma course. |
| 95. | ANGRAU – AE & T – Faculty Board of Agricultural Engineering & Technology – Department of Statistics and Computer applications – Certain issues. | i. Approved (Resolution No. 2883) | Based on the proposal of Associate Dean, Dr.N.T.R. College of Food Science & Technology, Bapatla a rough draft of **"**Scope of Food Science & Technology in achieving the development.. goals of |

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| | | | A.P Vision of ANGRAU" has been prepared which highlights the faculty requirements. On retransmitted the same will be sent to the Government for sanction of position which include mathematics post.<br>Full time course work is considered in mathematics for Ph.D in traditional University. |
| 96. | ANGRAU – Home Science – Academic Council meeting – Constitution of Ethical Committee (EC) at University level – Regarding. | Approved.<br>(Resolution No. 2884) | Communicated vide Proc.No. 14583/ H.Sc./2018, dated 29-11-2018 of Registrar, ANGRAU through which Institutional Human Ethics Committee was constituted. |
| 97. | ANGRAU – Home Science – Academic Council meeting – Celebration of certain special events/days related to Home Science curriculum – Request for continuation – Regarding. | Approved.<br>(Resolution No. 2885) | Issued U.O.Note No.14584/H.Sc./2018, dated 10.07.2018 to the Comptroller to take necessary arrangement to enhance the budget estimates of Rs.60,000/- from the financial year 2019-20 for the celebration of Special events/days related to Home Science. |
| 98. | ANGRAU – P.G. Studies – Eligibility criteria for admission into various M.Sc. level courses offered by Acharya N.G. Ranga Agricultural University – Regarding | Resolved<br>(Resolution No. 2886) | Orders issued vide Proceeding No.14015/2/2018, dated 17.07.2018 for conducting the admissions into P.G. by maintaining status quo. |

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| 99. | ANGRAU – P.G. Studies – Eligibility Criteria for admission into various Ph. D. level courses offered by Acharya N. G. Ranga Agricultural University – Regarding | Resolved.<br>(Resolution No. 2887) | Orders issued vide Proc. No. 14015/ 3/ 2018, dated 17.07.2018 to maintain status quo in this regard. |
| 100. | ANGRAU – P.G. Studies – Increase the intake of seats by 25% in various PG and Ph.D. Programmes – Regarding. | Approved. (Resolution No. 2888) | After approval in Academic Council the Hon'ble Vice-Chancellor for improving the infrastructure facilities for an amount of Rs.28.00 lakhs. In this context, the Comptroller, ANGRAU advised to send proposal to the Government for release of additional grants to meet the additional expenditure towards the payment of stipend for the increased PG/Ph.D seats for the academic year 2019-20. Accordingly, a letter was addressed to the Government of A.P. for release of additional grant vide Lr.No.14049/PG Section/2018, dated 31.10.2018. |
| 101. | ANGRAU – P.G. Studies – Inclusion of Supporting Course – MCA 502 – Introduction to Networking and Internet Applications in PG courses of Agricultural Engineering in all the three departments – Permission – Accorded – Ratification – | Ratified<br>(Resolution No. 2889) | Issued Proc.No.23374/A1/PG/2018, dated 26-11-2018 through which it was communicated to incorporate the course in the PG course catalogue. |

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| | Reg. | | |
| 102. | ANGRAU – P.G. Studies – Thesis evaluation report – Certain changes in the proforma (PG form No. PG 71) – Regarding. | Approved (Resolution No. 2890) | Issued Proc.No.023368/A1/PG/2018, dated 16.11.2018 and requested all the Associate Deans/Special Officers, offering PG courses to make a note of the change in PG form 71. |
| 103. | ANGRAU – P.G.Studies – Allotment of PG and Ph.D. Students to the faculty – Implementation of PG guidelines – Relaxation – Regarding. | Approved. (Resolution No. 2891) | Issued Proc.No.023369/A1/PG/2018, dated 16.11.2018 and requested all the Associate Deans/Special Officers, offering PG courses to act accordingly. |
| 104. | ANGRAU – P.G. Studies – No. of seats for PG and Ph.D. courses – College wise and subject wise for the Academic year, 2018-19 – Ratification – Regarding. | Ratified (Resolution No. 2892) | The admissions into P.G. and Ph.D. level programmes, the number of seats for PG and Ph.D. level courses college wise and subject wise have been proposed and were notified vide PG Admissions notification, Dt.17.05.2018 for the Academic Year 2018-19 which was ratified. |
| 105. | ANGRAU – P.G. Studies – Institution of Gold Medal in the name of "SRI YARRA SURYANARAYANA & Smt. VENKAYAMMA GOLD MEDAL" – for the work for betterment of environment in PG/Ph.D. programmes all over the | Ratified. (Resolution No. 2893) | Issued Proc.No. 023365/A1/PG/2018, dated 15.11.2018 through which all the Associate Deans/Special Officers of the Colleges offering PG/Ph.D. programmes under the control of ANGRAU are informed to make a note and give vide publicity among the students about the new |

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| | University – Ratification – Request Regarding. | | Gold medal. |
| 106. | ANGRAU – P.G. Studies – Admission to M.Sc. and Ph.D. in Home Science for the Academic year 2018-19 – Certain recommendation regarding increase/ decrease in intake of seats – Ratification – Reg. | Ratified<br>(Resolution No. 2894) | Based on the recommendations submitted by the Dean of Home Science, ANGRAU and Special Officer, A.P.G.C., Guntur vide Note dated 08.05.2018 the intake of seats in PG/Ph.D. programmes of Home Science faculty were revised and approved for incorporation. Accordingly, the PG admissions pertaining to the academic year 2018-19 were carried out and the same was ratified. |
| 107. | ANGRAU - Academic Council – Cooption of members to the Academic Council section 21(2) of ANGRAU Act – Proposals – Regarding. | Approved<br>(Resolution No. 2895) | Issued proceeding No.263/Acad./2018, dated 04.07.2018 appointing six members as Cooption members for a period of two years from the date of next Academic Council meeting. |
| 108. | ANGRAU – Polytechnics – Clustering of polytechnics for technical and academic supervision by University Officers – Grading of Polytechnics –Reg. | Resolved.<br>(Resolution No. 2896) | As per the legal opinion from the Standing Counsel, the counseling for the academic year 2018-19 has been completed, the grading of polytechnics will be uploaded in the University website at the time of counseling from the academic year 2019-20. |
| **101st Academic Council** | | | |
| 109. | Endowments – Institution of endowment | Approved. | Issued proceeding no.24164/Exams/ 2018, dated |

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| | for the award of "Pabbathi Dhana Laxmi Memorial Gold Medal by Dhana Crop sciences Limited" to the student who secures highest OGPA in Soil Science and Agricultural Chemistry of B.Sc. (Agriculture) / B.Sc. (Hons) Agriculture at the University level – Regarding. | (Resolution No.2897) | 25.04.2019 for sanction of the institution of gold medal in the name of "Pabbathi Dhana Laxmi Memorial Gold Medal" to be awarded to the undergraduate students who secures highest GPA in Soil Science and Agricultural Chemistry in B.Sc. (Agriculture)/B.Sc.(Hons.) Agriculture at University level without registering 'F' grade/Absent during his / her study period and it shall be awarded at the 51st Annual Convocation onwards. |
| 110. | ANGRAU – Agril. Sci. – Consideration of the candidature of students having M.Sc.(Agri.)/Ph.D. (Agri.) with B.Sc. (Hons\) Horticulture for the post of Assistant Professor in ANGRAU – Regarding. | Deferred.<br>(Resolution No.2898) | Issued letter no.1639/Agril.Sci./2018, dated 29.01.2019 addressed to the Joint Secretary to the Government, Agril. & Cooperation Dept., to maintain status quo till the reply to the report of the Committee is received from Dr.Y.S.R.Horticultural University. |
| 111. | ANGRAU – Agril. Sci. – Providing eligibility for B.Sc.(Hons) Horticulture graduates for registering M.Sc. (Agri.) and Ph.D. (Agri.) courses in various Agriculture Disciplines of ANGRAU – Regarding. | Deferred.<br>(Resolution No.2899) | Issued proceeding no.16473/Agril.Sci./ 2018, dated 11.02.2019 and communicated the same to YSR Horticultural University. |

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| 112. | ANGRAU – Agril. Sci. – Sanctioned posts for various Agricultural Polytechnics in the University – Allocation of subject for each post – Regarding. | Ratified.<br>(Resolution No.(2900) | Ratified orders have been issued vide proceeding no.23180/Agril.Sci. /2019, dated 05.02.2019. |
| 113. | ANGRAU – Agril. Sci. – Open and Distance Learning Centre (ODLC) – Certificate with various Security features – Ratification – Regarding. | Ratified.<br>(Resolution No.2901) | Issued proceeding no.23181/Agril.Sci./2019, dated 04.02.2019. |
| 114. | ANGRAU – Agril. Sci. – Career Advancement Scheme (CAS) in the revised UGC pay scales of 2006 – Revision of Score Card – Regarding. | Resolved<br>(Resolution No.2902) | Issued Proc.No.16447/Agril.Sci./2018-19, dated 07.01.2019 and the Committee requested to revise the CAS score card duly considering the suggestions resolved in the 101st meeting of the Academic Council and submit the report on or before 31.01.2019. |
| 115. | ANGRAU – Agril. Sci. – IDP- NAHEP project – Report submitted by the committee constituted for introduction of twinning / internship programmes – Regarding. | Approved.<br>(Resolution No.2903) | Issued Proc.No.1385/Agril.Sci./2018-19, dated 26-03-2019 in which the Assistant Professor, IDP, ANGRAU is instructed to prepare the guidelines for twinning programme and internships under Integrated Development Plan (IDP) of ANGRAU duly considering the recommendation of the committee including the suggestions of the ICAR. |

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| 116. | ANGRAU – Agril. Sci. – Integration of Teaching, Research and Extension in the major colleges i.e., Agricultural College, Bapatla and S. V. Agricultural College, Tirupati – Regarding. | (Resolution No.2904) | Issued Proceeding No.16448/Agril.Sci./ 2018-19, dated 14.02.2019. |
| 117. | ANGRAU – Agril. Sci. – Certain additions to the rule no. 7.0 viz., attendance in Academic regulation governing Undergraduate programme of the University including affiliated colleges – Regarding. | Approved.<br>(Resolution No. 2905) | Issued Proceeding No.1645/Agril.Sci./ 2018-19, dated 06.02.2019. All the Associate Deans of constituent and Affiliated Agricultural Colleges of ANGRAU are informed to implement the resolution from now onwards. |
| | ANGRAU – Agril. Sci. – Uniform Dress code for all the students of Agricultural colleges of ANGRAU – Regarding. | Approved<br>**(**Resolution No.2906) | Issued Proceeding no.1644/Agril.Sci./2019, Dt. 08.05.2019 and the committee has been constituted for Uniform Dress Code. The Chairman of the Committee is requested to submit the compliance report to the Dean of Agriculture for initiating necessary action. |
| 118. | ANGRAU – Agril. Sci. - Institutional Development Plan – Guidelines for selection of faculty for International training under IDP – Regarding. | (Resolution No.2907) | The revised guidelines were prepared duly considering the suggestions of the ICAR. The Principal Invigilator, IDP, ANGRAU and all the Associate Deans of respective accreditation colleges |

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| | | | of ANGRAU are instructed to follow the revised guidelines while nominating faculty for the international training programme to be organized under IDP. These are communicated through proc.no.1402/Agril. /2019, dated 29-03-2019. |
| 119. | ANGRAU – Agril. Sci. – Institutional Development Plan – Guidelines for selection of students for International training under IDP – Regarding. | Resolved.<br>(Resolution No.2908) | The revised guidelines were prepared duly considering the suggestions of the ICAR. All the Associate Deans of respective accreditation colleges of ANGRAU are instructed to follow the revised guidelines while nominating students for the international training programme to be organized under IDP. These are communicated through Proc.no.1398/ Agril. /2019, dated 28.03.02019. |
| 120. | ANGRAU – Home Science – Expansion of Lab facilities for all five departments of Home Science to offer B.Sc.(Hons.) Community Science courses as per the recommendations of V Dean's Committee – Regarding. | Deferred<br>(Resolution No.2909) | Vide memo.no.00078/H.Sc./2019, dated 14.02.2019, the Associate Dean, College of Home Science, Guntur is informed to submit the proposals in a phased manner for Expansion of Lab facilities for all five departments of Home Science to offer B.Sc.(Hons) Community Science courses as per the recommendations of V Dean's Committee. |
| 121. | ANGRAU – Home Science – Creation of | Resolved. | Issued proceeding no.00079/H.Sc./2019, dated |

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| | Department of English along with post of one Assistant Professor at College of Home Science, Guntur – Regarding. | (Resolution No.2910) | 05.03.2019 permitting to engage one part time teacher on out-sourcing / contract basis for teaching of said supporting courses. (CSBC 101, CSBC 102, CSBC 203.) |
| 122. | ANGRAU – Dr. NTRCAE, Bapatla – Payment of stipend in split spells for B.Tech. (Agricultural Engineering) students during Student READY programme as per the V Deans Committee recommendations – Approval -Regarding. | Approved.<br>(Resolution No.2911) | Issued U.O. Note 33095/AE& T/2018, dated 25.01.2019 and Dean of Student Affairs is requested to take necessary action for payment of stipend in split spells for B.Tech. (Agil. Engg.) Programme to meet the V Deans committee recommendations under Student READY programme. |
| 123. | ANGRAU – Dr. NTRCAE, Bapatla – AICTE & NBA Accreditation – Agricultural Engineering Degree & Diploma programmes of ANGRAU – Approval – Regarding. | Approved.<br>(Resolution No.2912) | Issued Memo.No. 33096/AE&T/2018, dated 25.01.2019 and Professor (Academic) is requested to take necessary action for getting approval to explore the opportunities for Agricultural Engineering students (both Graduates / Diploma level) to get eligibility for various Engineering Competitive examination and Group-I examination. |
| 124. | ANGRAU – AE & T - Polytechnic of Agril. Engg – Process of conduct of final theory examinations & evaluation, notification of results – Needs | Approved.<br>(Resolution No.2913) | A committee was constituted to work out the modalities, and to develop new system for implementation in PAEs with effect from the 2nd Semester of 2018-19. Vide memo.no.33100/AE & |

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| | improvement – Approval – Regarding. | | T/2018, dated 07.02.2019 and 2nd review meeting scheduled on 14.06.\2019. |
| 125. | ANGRAU – UG Programme – Examinations – Uniformity in the evaluation system of Semester Final Theory Examinations in B.Tech. (Agril.Engg.) and B.Tech. (Food Tech.) – Reg. | Approved<br>(Resolution No.2914) | Issued proceeding no.33103/AE&T/2018, dated 28.02.2019 and all concerned staff are advised to implement the same from II semester of 2018-19. |
| 126. | ANGRAU – AE & T – B. Tech. (Agril.Engg.)/B.Tech ( Food Technology) – Non-accredited Colleges of ICAR – Strengthening and Development – Funding for equipment and others - Meet the requirements of V Deans Committee Recommendations – Sanction of funds from University source – Approval – Reg. | Approved<br>(Resolution No. 2915) | Issued memo.no.33098/AE&T/2018, dated 24.01.2019 and the Associate Deans of Non-Accredited Colleges in the faculty of Agril. Engg.& Tech. are informed to submit the proposals of annual demands for procurement of equipment and other operational items to meet V Deans committee recommendations for examination to sanction of funds from University source on priority basis. |
| 127. | ANGRAU – PG Studies – Admission of PG and Ph.D. degree courses – Consideration of ICAR – AIEEA ranks /marks in replacing the separate Entrance Test conducted by the ANGRAU – | Approved.<br>(Resolution No.2916) | Issued proceeding no.006401/PG/2019, dated 08.04.2019 and all the Associate Deans and Special Officer APGC, Lam are informed to make a note on the subject and give vide publicity among the staff and students and also display in all the notice boards |

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| | Regarding. | | available in the college premises including hostels college website for wider circulation. |
| 128. | ANGRAU – PG Studies – Agribusiness Management – Provision of summer project for a period of two months after completion of the first year course – Regarding. | Approved.<br>(Resolution No.2917) | Issued proceeding no.23365/A1/PG/ 2019, dated 23.01.2019 and as per the decision of the council, the MBA (ABM) students will be allowed to conduct summer project for a period of two months after completion of the first year course and accordingly provision will be made in the Academic calendar from Academic year 2018-19 onwards. |
| 129. | ANGRAU – PG Studies – Comprehensive examinations – Certain modifications in conduct of written examination – Regarding. | Approved.<br>(Resolution No.2918) | Issued Proceeding no.23488/PG Studies / 2019, dated 15.03.2019 and decided to implement the same from the Academic Year 2019-20 onwards. |
| 130. | ANGRAU – PG Studies – Uploading of Thesis Format Guidelines Booklet including printing of thesis on both sides of Paper and prescription of minimum NAAS rating for publication of PG/Ph.D research article – Report submitted by the Committee constituted – Regarding. | Approved.<br>(Resolution No.2919) | Issued proceeding no.023428/A1/PG/ 2018, dated 30.01.2019 with revised guidelines coming into effect from the Academic Year 2018-19 onwards and requested all the Associate Deans, All Associate Directors of Research Stations and Special Officer, APGC, Lam to make arrangements that the revised guidelines should be implemented without fail. Issued revising orders vide proceeding |

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| | | | no.023428/1/A1/PG/2018, Dt. 11-02-19. |
| 131. | ANGRAU – PG Studies – Promotion of Academic Integrity and prevention of Plagiarism in Higher Educational Institutions of UGC regulations, 2018 – Implementation – Regarding. | Approved.<br>(Resolution No.2920) | Issued Proc.no.006400/PG/2019, dated 08.04.2019 communicating that the anti-plagiarism policy shall come into force on the synopses proposals from the first semester of the Academic Year 2019-20 and the final thesis / dissertation / project report / research publications submitted after 30th June, 2019 and same was informed to all the Associate Deans, ADRs and Special Officer, APGC, Lam, Guntur.<br>The matter was placed in the 290th Board meeting on 27th, 28th March, 2019 and accordingly issued a memo.no.006400/ PG/2019, dated 08.0.2019. |
| 132. | ANGRAU – PG Studies – Admission to PG/Ph.D courses in the faculty of Home Science in the Academic Year 2019-20 – Decision with regard to number of seats in each department – Regarding. | Resolved.<br>(Resolution No.2921) | Issued proc.No.23489/PG Studies/2019, dated 15.03.2019 and instructed to follow the decision of the Academic Council while undertaking admissions into different departments of the faculty of Home Science for M.Sc. and Ph.D. courses for the Academic year 2019-20 in the University. |
| 133. | ANGRAU – Agril. Sci – Polytechnics of ANGRAU –Needs improvements – | Approved<br>(Resolution No.2922) | As per the resolution no. 2922, the de-affiliation notices are sent to five affiliated polytechnics |

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| | Approval – Regarding. | | performing poorly and not complying with EoI requirements.<br>The file is under process regarding posting of Teaching Associates and JACTs to strengthen the Polytechnic section.<br>The file is under process regarding the computerization and automation of Polytechnic Section activities.<br>The Associate Directors of Research are permitted to select Teaching Associates and Teaching Assistants for appointment in constituent polytechnics in their respective zones vide memo.no.15575/ Poly/2017, Dt. 09.02.2019 of Registrar, ANGRAU. |
| **102nd Academic Council** | | | |
| 134. | ANGRAU - Academic Council – Cooption of members to the Academic Council section 21(2) of ANGRAU Act – Proposals – Regarding. | Ratified<br>(Resolution No.2923) | Ratification orders issued vide Memo.No.28333/Acad./2007, dated 19.07.2019 and Sri S.Selvaraj is appointed in place of Sri K. Suresh Kumar. |
| 135. | ANGRAU – Modifications made for existing "Norms and Guidelines for | Approved<br>(Resolution No.2924) | Orders issued vide proc.no.315/Acad./2019, dated 16.08.2019 and instructed all the affiliated |

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| | affiliation of Private Agricultural Colleges in Expression of Interest – Regarding. | | Agricultural Colleges of ANGRAU to implement the suggested modifications / changes in the existing EoI (including revised fee structure) without any deviation from the academic year 2019-20. |
| 136. | ANGRAU – Polytechnics – Modifications to be made for existing 'Norms and Guidelines for Affiliation of Private Agricultural Polytechnics' in Expression of Interest – Regarding. | Approved<br>(Resolution No.2925) | Vide Proc. No.12168/Polytechnics/2019, dated 05-08-2019, communicated the modifications made to the "Norms and Guidelines for affiliation of Private Agricultural Polytechnics" "in Expression of Interest" for establishment of Private Polytechnics. |
| 137. | ANGRAU – Polytechnics – Lacunae / Deviations in adoption of Norms and Guidelines for implementing Diploma Programme by various Private Agricultural Polytechnics affiliated to ANGRAU – De-affiliation – Regarding. | Approved.<br>(Resolution No.2926) | Vide letter No.1750/Polytechnics/2019, dated 17.07.2019 de-affiliating 3 polytechnics. Earlier admitted batch students of the three polytechnics and "go to shift orders" communicated to other affiliated polytechnics with immediate effect. However the Managements of the said Polytechnics appealed to the Hon'ble High Court, A.P. and Hon'ble High Court has given interim orders to include the said polytechnics in counseling for academic year 2019-20 subject to final result of writ petition. |

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| 138. | ANGRAU – Agricultural Science - Career Advancement Scheme (CAS) in the revised UGC pay scales of 2006 – Revision of Score Card – Regarding. | Approved.<br>(Resolution No.2927) | Vide proc.no.16447/Agril.Sci./2019-20, dated 25.11.2019 implemented the revised score card as per the UGC guidelines from the date of issue of the orders and requested the Deputy Registrar (TE) to take necessary action in this regard. |
| 139. | ANGRAU – Agricultural Science – Uniform Dress Code for all the students of Agriculture, Agril. Engineering and Technology and Home Science Colleges of ANGRAU – Regarding. | Resolved<br>(Resolution No.2928) | Vide proc.no.615/Agril.Sci./2019, dated 25.11.2019, all the Associate Deans of the Colleges are instructed to follow the decisions and to implement the Uniform Dress Code for all the students of constituent colleges of ANGRAU from the Academic year 2019-20 onwards and also requested to make arrangements for the availability of cloth and stitching from the local vendors, so that the students will approach the vendors for the cloths. |
| 140. | ANGRAU - Agricultural Science – V Deans Committee Recommendations – Implementations of guidelines of STUDENT READY (RAWE, Internship and ELP) from the Academic year 2019-20 – Regarding. | Approved.<br>(Resolution No. 2929) | Vide Proc.No.12421/Agril.Sci./2019, Dt. 30.07.2019, the Associate Deans of all Agricultural Colleges including affiliated colleges are requested to follow the decisions communicated through this proceedings for implementation of STUDENT READY (RAWE, Internship and ELP) programmes |

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| 141. | ANGRAU - Agricultural Science – Ranking of ELP Units – Regarding. | Approved<br>(Resolution No.2930) | Vide proceeding No.12427/Agril.Sci./19, dated 13.08.2019, Dr.P.V. Satya Gopal, Professor (CAS) & Head, Dept. of Agril.Extension and Nodal Officer, ELP Units, ANGRAU was requested to go through the resolution and make necessary changes in the evaluation pattern prepared for evaluation and ranking of ELP units at College and University level. |
| 142. | ANGRAU - Agricultural Science – ODLC – Certain guidelines for running of courses under ODLC – regarding. | Approved.<br>(Resolution No.2931) | Vide proc.no.12422/Agril.Sci./2019, dated 09.08.2019, the Assistant Professor, ODLC was requested to go through the resolution and to act accordingly. |
| 143. | ANGRAU - Agricultural Science – Education tour COCA 200 for the second year B.Sc. (Hons) Agricultural Students – Regarding. | Approved.<br>(Resolution No.2932) | Vide proc.no.13414/Agril.Sci./2019, Dt. 16.08.2019, all the Associate Deans were requested to follow the decisions communicated through this proceedings while undertaking the Educational Tour COCA-200 to the second year B.Sc.(Hons) Agricultural Students of ANGRAU. |
| 144. | ANGRAU – Estt. – Proposals for fixing the number of seats and identification of | (Resolution No.2933) | Vide cir.memo.No.11008/Ser.II/A2/2019, dated 30.08.2019, all the Associate Deans of the Colleges, |

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| | Deficiency areas / Institutions for prosecuting Ph.D. within ANGRAU and outside ANGRAU for the academic year 2019-20 – Regarding. | | Associate Directors of Research and Heads of Research Stations / Schemes/KVKs/Agricultural Polytechnics were requested to bring the contents of the resolution to the notice of the teachers / scientists working under their control. |
| 145. | ANGRAU – Examinations – Mid – Semester Examinations in UG Programmes in Faculties of Agriculture, Agricultural Engineering & Technology and Home Science – Guidelines on paper setting – Regarding. | Approved.<br>(Resolution No.2934) | Vide proc.no.34225/UG/Exams/2019, dated 13.11.2019, communicated these guidelines to all colleges to follow strictly from the Academic year 2019-20. |
| 146. | ANGRAU – Agricultural Engineering & Technology – SRDY 483 Educational Tour for 2 weeks during semester break – Approval – Regarding. | Approved.<br>(Resolution No.2935) | Vide Memo.No.6845/AE&T/2019, dated 19.07.2019, all the Associate Deans in the Faculty of Agril. Engg.& Technology, ANGRAU are permitted to conduct SRDY483 Educational Tour for 2 weeks during the semester break immediately after completion of the final year I semester for B.Tech. (Agril. Engg.) students' from the Academic Year 2019-20 and FDP0 453 immediately after registration of VIII semester for B.Tech (Food Technology) students of all colleges. |

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| 147. | ANGRAU - Agricultural Engineering & Technology – SRDY 483 Educational Tour for 2 weeks – Transport by engaging private transport buses having national road permit through e – procurement for organizing the SRDY 483 Educational Tour for the students – Approval – Regarding. | Approved<br>(Resolution No.2936) | Vide Memo.No.6847/AE&T/2019, dated 19.07.2019, all the Associate Deans in the Faculty of Agril. Engg.& Technology, are permitted to engage private transport busses having national road permit through e-procurement for organizing SRDY483 Educational Tour and FDPO 453 Educational Tour & also to follow the suggestion that "where ever possible, prefer for train journey". |
| 148. | ANGRAU - Agricultural Engineering & Technology – SRDY 484 Project Work and Report Writing – Involvement of Head of the department – Approval – Regarding. | Approved.<br>(Resolution No.2937) | Vide Memo.No.6848/AE&T/2019, dated 19.07.2019, all the Associate Deans in the Faculty of Agril. Engg. & Technology, are permitted to involve the Head of the Department concerned in selection of the topic for Research Project for B.Tech. (Agri.Engg.)/B.Tech.(Food Technology), execution and approval of the project report on submission for B.Tech. Project works (SRDY 484 & FDPO 352) from the Academic year 2019-20. |
| 149. | ANGRAU - Agricultural Engineering & Technology, Polytechnics of Agricultural Engineering – Modification and rearrangement of course contents, | Approved.<br>(Resolution No.2938) | Orders issued vide U.O. Note No.19726/AE&T/2019, dated 14.11.2019 to take action accordingly.<br>As per modified course content, unit wise lecture |

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| | preparation of study material and development of question bank for adoption from academic year 2019- 20 – Approval – Regarding. | | outlines are prepared for implementation in all Polytechnics of Agril.Engg., Study material is now ready for display in the ANGRAU website and to communicate to the Polytechnics.<br>After the communication of the study material and lecture outlines, development of question bank will be attended. |
| 150. | ANGRAU – PG Studies – Ph.D. Studies of in-service faculty at abroad with deputation – Regarding. | Approved<br>(Resolution No.2939) | Vide proc.no.15169/A1/P.G. Studies/2019, Dt. 27.09.2019, Committee has been constituted for preparing modalities for considering Ph.D. studies in abroad by the faculty with study leave and deputation for 3 years and requested the Committee to submit the compliance report to the undersigned on or before 31.10.2019. |
| 151. | ANGRAU – PG Studies – Provision of Air travel to external experts nominated by Dean of PG Studies in connection with conduct of Comprehensive Oral examination and final oral examination of the Ph.D. Students – Regarding. | Resolved<br>(Resolution No.2940) | Vide proc.no.015170/PG studies /2019, dated 18.09.2019 the Professor (Education) O/o Dean of PG studies, Admn. Office, ANGRAU, Lam, Guntur was requested to go through the resolution and act accordingly. The following action was taken.<br>The Tentative budget requirement if air travel is permitted was estimated and submitted to Dean of |

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| | | | PG Studies, ANGRAU.<br>The Agenda was brought for this Academic council for decision. |
| 152. | ANGRAU – PG Studies – Introduction of payment seats in MBA (ABM) programme at S.V. Agricultural College, Tirupati – Regarding. | Deferred.<br>(Resolution No.2941) | Vide proc.no.15139/A1/PG/2019, dated 08.08.2019, the Associate Deans/Special Officer was instructed to go through the resolution and act accordingly. The following action was taken. Feedback was collected and now placed the agenda before the Academic Council for decision. |
| 153. | ANGRAU – PG Studies – Institution of a gold medal in the name of "Dr. Balineni Venkateswarlu & Swarupa Rani Gold medal" at college day celebrations of Agricultural College, Bapatla from 2017 batch student who secures highest OGPA in M.Sc.(Ag.) in Agronomy Department of Agricultural College, Bapatla – Ratification – Regarding. | Ratified<br>(Resolution No.2942) | Vide proc.no.008036/A1/PG/2019, dated 02.08.2019, the Associate Dean of Agricultural College, Bapatla is informed to make a note and give vide publicity among the students about this new Gold Medal. |
| 154. | ANGRAU – PG Studies – No. of seats for PG and Ph.D. courses – College wise and subject wise for the Academic year 2019- | Approved.<br>(Resolution No.2943) | Vide Proc.no.015128/PG/2019, dated 29.07.2019, communicated the details of the number of seats for PG and Ph.D. Level Courses College wise and |

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| | 20 – Regarding. | | Subject wise proposed for the Academic Year 2019-20. |
| 155. | ANGRAU – Home Science – Academic Council Meeting – Establishment of Laboratory Nursery School at College of Home Science, Guntur – Regarding. | Resolved.<br>(Resolution No.2944) | The proposal of budget requirement for estt. of laboratory Nursery School at College of Home Science Guntur was put up to the University. Assistant Comptroller (Budget) has expressed that no such proposals received from the concerned at the time of preparation of budget estimates for 2019-20. Hence it is suggested to address a letter to the Government to provide grants for the proposed project. As per the orders of Hon'ble Vice-Chancellor a letter was addressed to Government vide lr.No.12550/HSc./2019, dated 15.11.2019 and requested for the grant for estt. of laboratory Nursery School at College of Home Science Guntur |
| 156. | ANGRAU – Home Science – Academic Council Meeting – deficiency areas of research for Ph.D. outside ANGRAU in Home Science Faculty for the academic year 2019-20 – Regarding. | Approved.<br>(Resolution No.2945) | Vide U.O. Note No.12552/H.Sc./2019, dated 25.07.2019, it was addressed to the Registrar, ANGRAU to include the deficiency areas of research for Ph.D. outside ANGRAU in the faculty of Home Science for the Academic year 2019-20 and accordingly it was included |

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| 157. | ANGRAU – Home Science – Academic Council Meeting – Establishment of Experiential Learning Programme pilot units at College of Home Science, Guntur – Regarding. | Resolved (Resolution No.2946) | Vide Memo.No.12551/H.Sc./2019, dated 18.07.2019, the Associate Dean, College of Home Science, Guntur was informed to submit the revised budget proposals in phased manner on small scale ELP Units. |
| 158. | ANGRAU – Faculty of Agriculture – Academic Regulations Governing under Graduate Programmes of the University including affiliated College – Study load in a semester – Amendment – Regarding. | Resolved. (Resolution No.2947) | Vide Procd.No.34226/UG(Exams)/2019, dated 25.11.2019, the same was communicated to all Associate Deans including affiliated Agricultural Colleges to follow strictly. |
| | | **103rd Academic Council** | |
| 159 | ANGRAU – Polytechnics – Sri Chegondi Venkata Hara Ramajogaiah Educational Society, Agricultural Polytechnic, Palakollu, W.G.District – To change the name of Agricultural Polytechnic and Polytechnic of Agricultural Engineering – Regarding. | Resolved. (Resolution No. 2948) | As per the resolution (2948), the file has been sent to Assistant Registrar (Legal), ANGRAU, Lam to obtain the Legal Opinion from Standing Council of ANGRAU to take further necessary action. |
| 160. | ANGRAU – Exams Section - Endowments – Institution of Endowment for the award of "1980 Batch of Agricultural College, | Approved. (Resolution No. 2949) | Vide proceedings no.11642/Exams /2019, dated 02-03-2020 a Gold medal in the name of "1980 Batch of Agricultural College, Bapatla Platinum Jubilee |

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| | Bapatla Platinum Jubilee Gold Medal" to the meritorious outgoing undergraduate girl student of B.Sc.(Hons) Agriculture with highest OGPA at College level in Agricultural College, Bapatla – Regarding. | | Gold Medal" shall be awarded to a girl student of B.Sc.(Hons) Agriculture from 51st Annual Convocation and onwards. |
| 161. | ANGRAU – Exams Section - Endowments – Institution of endowment fund for the award of Gold medal in the name of "Dr. Punuri Raghavulu, Founder Principal, Agricultural College, Naira Gold Medal" to the meritorious outgoing undergraduate student of B.Sc.(Hons) Agriculture with highest OGPA in Agronomy at College level in Agricultural College, Naira – Regarding. | Approved.<br>(Resolution No.2950) | Vide proceedings no.22344/Exams /2019, dated 03-03-2020, a Gold Medal in the name of "Dr.Punuri Raghavulu, First Principal, Agricultural College, Naira Gold Medal" shall be awarded at the Annual Convocations to the meritorious outgoing undergraduate student of B.Sc. (Hons) Agriculture with highest OGPA in Agronomy at College level in Agricultural College, Naira, commencing from 51st Annual Convocation and onwards. |
| 162. | ANGRAU – Agricultural Science – Uniform Dress Code for all the Under Graduate students of Constituent Colleges of ANGRAU – Ratification – Regarding. | Ratified.<br>(Resolution No. 2951) | Ratification orders issued vide Proceeding No.816/Agri.Sci./2020, dated 14.02.2020 of the Registrar, ANGRAU. |
| 163. | ANGRAU – Agricultural Science – Minimum requirements for starting an | Approved.<br>(Resolution No.2952) | Vide Proc.No.61/Agril.Sci./2020, dated 03.06.2020, all the Associate Deans of the constituent and |

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| | Agricultural College – Finalization of requirements considering the earlier and fifth Deans Committee recommendations – Reg. | | affiliated Colleges are requested note the recommendations and act accordingly, without fail. |
| 164. | ANGRAU – Agricultural Science – Inclusion of Bachelors Degree in Food Science and Technology along with MBA in Agribusiness Management as essential qualification for the posts of Assistant Professor / Associate Professor / Professor in the disciplines of Agribusiness Management – Regarding. | Approved.<br>(Resolution No. 2953) | Vide Proceeding No:166/Agril.Sci./2020, dated 02.07.2020, the Deputy Registrar (TE) is instructed to follow the decision and accordingly make changes in the recruitment process of Assistant Professor / Associate Professor / Professor. |
| 165. | ANGRAU – Agricultural Science – B.Sc.(Hons) Agriculture/ B.Sc.(Agriculture) – Evaluation of Semester Final Theory Examinations Answer-Scripts – Proposal for Spot Valuation – Regarding. | (Resolution No.2954) | Vide memo.no.23533/4/Agri.Science /2020, dated 09.06.2020, a Committee is constituted and requested the Committee to submit the compliance report to the undersigned on or before 22.06.2020. |
| 166. | ANGRAU – Home Science – Rechristen M.Sc. Home Science to M.Sc. Community Science – Regarding. | Approved.<br>(Resolution No. 2955) | Vide U.O.Note No.26580/H.Sc./2019, dated 17.02.2020, the Dean of PG Studies is requested to take further necessary action to rechristen M.Sc. |

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| | | | Home Science to M.Sc. Community Science from the academic year 2020-21 onwards. |
| 167. | ANGRAU – Home Science – Inclusion of Agricultural and Veterinary courses as basic supporting courses in B.Sc. (Hons) Community Science Programme – Regarding. | Resolved.<br>(Resolution No.2956) | Vide Memo.No.26579/H.Sc./2019, dated 26.06.2020, a Committee is constituted, one from each faculty of Agriculture, Veterinary and Community Science to suggest content coverage and credit load to offer Agriculture and Veterinary Courses as basic supporting courses in B.Sc. (Hons.) Community Science Programme. |
| 168. | ANGRAU – AE & T – B. Tech. (Agril. Engg.) Degree Programme – SRDY 484 (20 weeks) – Project Work Evaluation – Involvement of External faculty for evaluation of B.Tech. (Agril. Engg.) Final Year Project Work – Approval –Regarding. | Approved.<br>(Resolution No.2957) | Vide Memo.No.26154/AE & T/2019, dated 22.01.2020, the Associate Deans of Dr.NTR College of Agricultural Engineering, Bapatla and College of Agricultural Engineering, Madakasira are informed to include one external faculty (other than respective college faculty) in the "Evaluation team" for evaluation of SRDY 484 Project work for B.Tech. (Agril. Engg.) ELP programmes and request to send the proposal to the University for nomination of faculty member duly indicating the suitable dates for evaluation. |
| 169. | ANGRAU – AE & T – B. Tech. (Agril. | Approved. | Vide Memo.No.26158/AE & T/2019, dated |

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| | Engg.) Degree Programme – Educational Tour (SRDY 483) – Expenditure and creation of additional source of funding – Approval – Reg. | (Resolution No.2958) | 24.01.2020, the Associate Deans of Dr.NTR College of Agricultural Engineering, Bapatla and College of Agricultural Engineering, Madakasira are permitted to increase the study tour amount for SRDY 483 (0+2) Educational Tour – Student Ready duly collecting the fee @ Rs.2000/- per Semester (totaling Rs.16,000/- in 8 Semesters) in the fee structure w.e.f. 2020-21 calendar year. |
| 170. | ANGRAU – AE & T – Department wise distribution of sanctioned strength at Dr.NTR College of Agricultural Engineering, Bapatla and College of Agricultural Engineering, Madakasira – Approval – Regarding. | Approved.<br>(Resolution No.2959) | Vide Memo.No.26152/AE & T/2019, dated 22.01.2020, the Associate Deans of Dr.NTR College of Agricultural Engineering, Bapatla and College of Agricultural Engineering, Madakasira are advised to take necessary action in maintaining the Department wise faculty strength. |
| 171. | ANGRAU – AE & T – Polytechnic of Agril. Engineering – Identification of teachers and preparation of question bank for 33 PAE subjects for examination use – Modalities to prepare comprehensive question bank for each subject- Regarding. | Approved.<br>Resolution No. 2960) | Vide proceedings 33100/AE & T/2018, dated 18.02.2020 and 02.06.2020, the "Passwords" of "Question Bank & Key file" may be communicated by a separate mail stating Question bank & Key:- Course No: & Password. |
| 172. | ANGRAU – Faculty of AE & T – | Approved. | Vide Memo.No.19725/AE & T/2019, dated |

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| | Appointment of Associate Deans in Food Science & Technology Colleges – Regarding. | (Resolution No. 2961) | 22.01.2020, the Deputy Registrar (Teaching) and Deputy Registrar (Academic) are informed that status quo shall be maintained in processing the file in appointment of Associate Deans of the College of Food Science & Technology in ANGRAU. |
| 173. | ANGRAU – PG Studies – Ph.D. Studies of in-service faculty at abroad with deputation – Regarding. | Approved.<br>(Resolution No. 2962) | Vide Proceeding No.025241/PG/2020, dated 26.05.2020, all Associate Deans of Colleges, Associate Directors of Research and Heads of Research Stations /Schemes / KVKs/Agricultural Polytechnics are requested to bring the contents to the notice of the Teachers /Scientists working under their control. |
| 174. | ANGRAU – PG Studies – Sri KVS Sudheer, Scientist (Agronomy), RARS, Tirupati – Age relaxation for 5 years for admission into higher studies – Regarding. | Approved.<br>(Resolution No. 2963) | Vide proceeding no.025242/PG/2020, dated 26.05.2020, all the Associate Deans of Colleges, Associate Directors of Research and Heads of Research Stations /Schemes/KVKs / Agricultural Polytechnics are requested to bring the contents to the notice of the Teachers / Scientists working under their control. |
| 175. | ANGRAU – PG Studies – Issues pertaining to allotment of chairpersons to the PG/Ph.D | Approved.<br>(Resolution No. 2964) | Vide proceeding No.025243/PG/2020, dated 26.05.2020, all the Associate Deans / Special |

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| | students and provision of budget for conducting research – Regarding. | | Officer are requested to bring the contents to the notice of the faculty working under their control. |
| 176. | ANGRAU – PG Studies – Inclusion of Plant Bio-chemistry as a compulsory supporting course for PG/Ph.D Students – Regarding. | Approved.<br>(Resolution No.2965) | Vide proceeding No.025244/PG/2020, dated 26.05.2020, all the Associate Deans / Special Officer are requested to make a note of the above and act accordingly. |
| 177. | ANGRAU – PG Studies – Adoption of supporting courses for Master's and Doctoral programmes in the faulty of Agricultural Engineering and Technology – Regarding. | Approved.<br>(Resolution No. 2966) | Vide proceeding No.025216/A1/PG/2019, dated 13.02.2020, the Associate Dean, CAE, Bapatla is informed to make a note of the above and act accordingly. |
| 178. | ANGRAU – PG Studies – Permission for registering and attending the training programmes of different durations by the PG/Ph.D. students during their study period – Regarding. | Approved.<br>(Resolution No.2967) | Vide proceeding No.025245/PG/2020, dated 26.05.2020, all the Associate Deans / Special Officer are requested to bring the content to the notice of the all the PG/Ph.D. students studying under their control. |
| **104th Academic Council** | | | |
| 179. | ANGRAU – Polytechnics – Establishment of new Private Polytechnic of Agricultural Engineering and Seed Technology | Approved.<br>(Resolution No: 2968) | Provisional permission accorded to M/s. Syamala Krishna Educational Society, Madanapalle, Chittoor District vide Lr. No.24267/Polytechnics/2019 Dated: |

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| | Polytechnic by M/s. Syamala Krishna Educational Society, Madanapalle, Chittoor Dist. | | 14.08.2020 |
| 180 | ANGRAU – Polytechnics – Admission into 2 / 3 year Diploma courses for the academic year 2020-21 – To admit the municipal area students also along with non-municipal area students – Ratification – Regarding. | Ratified.<br>(Resolution No: 2969) | Orders were issued vide Proc. No.106 (2) / Polytechnics/2020, dated 07.08.2020 of the Registrar, ANGRAU. |
| 181 | ANGRAU-Polytechnics – Conducting of semester final theory examinations for second year second semester during the academic year of 2019-20 for the Diploma in Agriculture, Seed Technology and Organic Farming scheduled from 15-06-2020 to 29-06-2020 – Cancelled due to | Resolved to obtain detailed information from other SAUs before taking the final decision.<br>(Resolution No: 2970) | Guidelines to the principals of all the polytechnics of Agriculture, Seed Technology and Organic Farming of ANGRAU vide Memo. No. 7403/Polytechnics/2019 Dated: 12.08.2020. |

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| | increase of COVID-19 – Declaration of results - Certain guidelines – Regarding. | | |
| 182 | ANGRAU – Polytechnics – To process the results of the students of Siva Agricultural Polytechnic & Siva Polytechnic of Agril. Engg., Rayachoti, Kadapa – Regarding | Approved.<br>(Resolution No: 2971) | Issued instructions vide Memo.No.13573 /Polytechnics/2019 Dated: 06.08.2020 of the Registrar, ANGRAU to initiate legal action against the Correspondent of Siva Agricultural Polytechnic & Siva Polytechnic of Agricultural Engineering. The note file vide C.No. 13573/Polytechnics/2019 transferred to the Asst. Registrar, Legal & Vigilance, ANGRAU. |
| 183 | ANGRAU - Academic Council – Cooption of members to the Academic Council section 21(2) of ANGRAU Act – Nomination of Members – Regarding | Resolved to request all the members to nominate eminent persons with bio-data to select two co-opted members, in place of members whose tenure completed.<br>(Resolution No: 2972) | Orders issued vide Proc.No.452/Acad./2020 dated: 23-12-2020 and intimated to the individual through D.O.Letter.NO.28333/ Acad./2007, DSt: 23-10-2020. |
| 184 | ANGRAU – Agril. Sc. – Guidelines for | | Ratification orders issued vide Proc.No.498/ |

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| | conducting RAWEP including internship and ELP for final years without losing the Academic year, 2019-20 during Lockdown (COVID-19 pandemic) – Ratification – Regarding. | Ratified<br>(Resolution No: 2973) | Agril.Sci./2020 Dt: 10.11.2020 of Registrar, ANGRAU. |
| 185 | ANGRAU – Agril. Sci. – Period of Lockdown as deemed to be attended by the Student / Research Scholars of ANGRAU for the Second Semester 2019-20 – Ratification – Regarding. | Ratified.<br>(Resolution No: 2974) | Ratification orders issued vide Proc.No494 / Agril. Sci/2020, dt:09.11.2020. |
| 186 | ANGRAU – AE&T – Increase the study tour amount in the semester registration fee for B.Tech. (Food Technology) Programme for FDPO 453 – Industrial Training (0+2) from the academic year 2020-21 – | Ratified<br>(Resolution No: 2975) | Ratification orders issued vide Memo. No. 26158 /AE&T/2019, Dt:24.08.2020 of Dean of Agril. Engg.& Technology. |

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| | Ratification – Regarding. | | |
| 187 | ANGRAU – AE&T – Minimum residential requirement of UG programmes - B.Tech (Food Technology) - II semester 2019-20 after COVID 19 lockdown period and guideline for completion of Student READY programmes during II semester 2019-20 –Ratification – Regarding. | Ratified<br>(Resolution No: 2976) | The ratified subject is not implemented in action because the proposals were made in anticipating colleges to reopen during July,2020 so that minimum residential requirements ranging from 25-40 days for different years can be met. However as students were not allowed to the campuses, the proposals became null and void. |
| 188 | ANGRAU – AE&T – Minimum residential requirement of UG programme - B.Tech. (Agricultural Engineering) - II semester 2019-20 after COVID 19 lockdown Period and guideline for completion of Student READY programmes during II semester 2019-20 and I semester of 2020-21 – Ratification – Regarding. | Ratified<br>(Resolution No: 2977) | The ratified subject is not implemented in action because the proposals were made in anticipating colleges to reopen during July, 2020 so that minimum residential requirements ranging from 25-40 days for different years can be met. However, as students were not allowed to the campuses, the proposals became null and void. |

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| 189 | ANGRAU – Community Science – Lockdown during COVID-19 pandemic – Guidelines for conducting ELP for UG final year students of B. Sc. (Hons.) Community Science without losing the Academic year 2019-20 – Ratification – Regarding. | Ratified<br>(Resolution No: 2978) | Ratification Orders – Issued. Proc.No.06282 Com.Sci/2020, dated 03.11.2020 of the The Registrar, ANGRAU. |
| 190 | ANGRAU – Estt. – Proposals for fixing the number of seats and identification of Deficiency areas / Institutions for prosecuting Ph.D. within ANGRAU and outside ANGRAU for the Academic year 2020-21 – Regarding. | Approved.<br>(Resolution No: 2979) | Guidelines were Communicated. Vide Cir. Memo.No.10944/Ser.II/A2/2020 dt:07-08-020 of the ANGRAU. |
| 191 | ANGRAU – Agril. Sci. – Permission to the Professors / Principal Scientists who are invited as External Examiners by the other | Approved.<br>(**Resolution No: 2980)** | Orders were issued vide Proc.No.519/ Agril.Sci/ 2020, dated 19.11.2020 of the Registrar, ANGRAU. |

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| | Agricultural Universities – Empowered to permit by the Associate Dean/Associate Director of Research – Regarding | | |
| 192 | ANGRAU – Agril. Sci. – Diploma in Agriculture, Seed Technology and Organic Farming – Change of Medium of instruction from Telugu to English – Regarding. | Approved to constitute a committee at University level to examine the issue.<br>**(**Resolution No: 2981) | As per the resolution Note file vide C.No.15167/Polytechnics/2020 initiated and the said file is under circulation. The file is under process. |
| 193 | ANGRAU – AE&T – Partial change of contents of the course "Fluid Mechanics (FDBE 166)" suiting to the needs of B.Tech. (Food Technology) and change of course title as "Fluid Mechanics for Food Processing" – Approval – Regarding. | Resolved to constitute a Technical Committee to study the modifications required to prepare revised course content and lecture outlines for course No. 'FDBE166 – Fluid Mechanics' to suit to 'Food Technology' requirement<br>(Resolution No: 2982) | Orders were issued Vide Memo.No.2585/ AE&T/2020 Dt:17.08.2020 of Dean of Agril.Engg. & Technology, ANGRAU. |

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| 194 | ANGRAU – AE&T – CFST, Pulivendula – Modification proposed for "Students READY – Industrial Tour (FDPO 453)" 0+2 credits in view of COVID-19 pandemic situation for Final Year students of B.Tech (Food Technology) – Regarding. | Resolved to permit the final year B.Tech.(Food Technology) students of CFST, Pulivendula to perform virtual tour of any "Food Processing Industry" and submit a report for evaluation as an alternative to Industrial Tour for competing course No. FDPO453 (0+2).<br>**(Resolution No: 2983)** | As per the resolution, the Associate Dean, College of Food science & Technology, Pulivendula is permitted to take necessary steps for completing course students READY- Industrial Tour (FDPO 453) 0+2 credits Vide Memo.No.2587/AE&T/2020 Dt:20-08-2020 of Dean of Agril.Engg.&Technology . |
| 195 | ANGRAU – AE&T – Addition of B.Sc. (Ag) and M.Sc. (Agricultural Microbiology) to the qualifications of Assistant Professor (Microbiology) in the Department of Food safety and Quality Assurance – Regarding. | Resolved to include the following two specializations also in addition to the existing qualification for selection of Assistant Professor (Microbiology) in the Department of Food Safety and Quality Assurance<br>a) M.Tech (Food Technology) - | The Deputy Registrar (Teaching) is informed vide Memo.No.2594/AE&T/2020, Dt:25.08.2020 of Dean of Agril.Engg.&Technology to take necessary action in this regard. |

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| | | FSQA<br>b) M.Sc. (Ag.) – Agril. Microbiology<br>**(**Resolution No: 2984) | |
| 196 | ANGRAU – Community Science – Starting of Massive Open Online Course (MOOC) on "Early Childhood Care and Education" (ECCE) – Regarding. | Resolved.<br>(Resolution No: 2985) | Orders were issued vide Proc.No.08475/Com. Sci./2020, Dt:05.08.2020. |
| 197 | ANGRAU – Community Science – Establishment of new College of Community Science – Minimum requirements as per the Fifth Deans' Committee Recommendations – Regarding. | Approved<br>(Resolution No: 2986) | Orders were issued vide Proc.No.08474/Com. Sci./2020, Dt:05.08.2020. |
| 198 | ANGRAU – PG Section – Guidelines regarding examinations, thesis submission and evaluation of Ph.D. and Masters thesis | Approved<br>(Resolution No: 2987) | Orders were issued vide Proc.No.08579/PG Section/ 2020-21, Dt:30.07.2020. |

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| | in view of COVID-19 pandemic and subsequent lockdown – Regarding. | | |
| 199 | ANGRAU – PG Studies – Re-instate of Department of Molecular Biology and Biotechnology at S.V. Agricultural College, Tirupati along with PG Programme – Regarding. | Approved.<br>(Resolution No: 2988) | Orders were issued vide Proc.No.08593/PG Section/2020-21,Dt:19.10.2020. |
| 200 | ANGRAU – PG Section – Comprehensive guidelines for conduct of all examinations pertaining to PG courses – Alternate arrangements in view of COVID-19 pandemic – Ratification – Request – Regarding. | Ratified<br>(Resolution No: 2989) | Orders were issued vide Proc.No.08579/PG Section/ 2020-21, Dt:30.07.2020. |
| 201 | ANGRAU – PG Studies – Starting of Doctoral Programme in Agricultural Statistics in the faculty of Agriculture at | Approved.<br>(Resolution No: 2990) | Orders were issued vide Proc.No.08588/A1/PG/2020,Dt:03.09.2020. |

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| | Agricultural College, Bapatla – Regarding. | | |
| 202 | ANGRAU – PG Studies No. of seats for PG and Ph.D. courses – College wise and subject wise for the Academic year, 2020-21 – Regarding. | Approved<br>(Resolution No: 2991) | - |
| 203 | ANGRAU – P.G. Studies – Institution of a Gold Medal in the name of "Padmasri Dr.I.V. Subba Rao Memorial Gold Medal" to the M.Sc. (Ag.) student, Department of Soil Science & Agril. Chemistry to be awarded at University level during convocation from the year 2019-20 – Regarding. | Approved<br>(Resolution No: 2992) | - |
| 204 | ANGRAU – Academic Regulations Governing UG Programmes of the | Ratified<br>(Resolution No: 2993) | Ratification orders were issued vide Proc.No.1906(2/2)/EXAMS/2020, Dt: 29.07.2020. |

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| | University including Affiliated Colleges – Students discontinued studies for employment purpose and seeking permission of the University to continue studies – Amendment to 7.3 Regulation – Communicated – Ratification from Academic Council – Regarding. | 7.3 UG Academic Regulation was amended. | |
| 205 | ANGRAU – Guidelines on Conduct of Examinations and Academic Calendar for UG Programmes – Approved in the meeting of "Advisors to Academic Council – Agenda item for Ratification in Academic Council – Regarding. | Ratified (Resolution No: 2994) | Ratification orders were issued vide Proc.No.19069(2/1)/EXAMS/2020, Dt:27.07.2020. |
| 206 | ANGRAU – Revised Guidelines on Conduct of Examinations, promotion to next year and registration of succeeding | Approved (Resolution No: 2995) | The revised guidelines were communicated vide Proc.No.1906(2)/EXAMS/2020, Dt:17.07.2020. |

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| | semester for UG Programmes – Proposed for approval in Academic Council – Regarding. | | |
| | | **105th Academic Council** | |
| 207 | ANGRAU – Agril. Science – Implementation of the ELP and RAWEP guidelines issued during first semester 2020-21 (due to COVID-19 pandemic) – Ratification - Regarding. | Ratified.<br><br>(Resolution No. 2996) | - |
| 208 | **ANGRAU- PG Studies- PG admissions- Eligibility of B.Tech (Food Technology) students into M.Tech/Ph.D in Process and Food Engineering- who have taken ICAR's All India Entrance Examination (AIEEA-2020)/All India Competitive Examination (AICE)-2020 in the subject** | Ratified.<br><br>(Resolution No. 2997) | - |

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| | **Food Technology - for ratification.** | | |
| 209 | **ANGRAU-PG studies- Mrs. V. Ishwarya Lakshmi, I.D. No. TAD/2019-02, Ph.D. Student Department of Agronomy, S.V. Agricultural College, Tirupati granted maternity Leave/Child Care leave for 240 days from 01-12-2020 to 25-07-2021 as per Memo. No. 017604/A1/PG/2020 dt. 27-11-2020- Ratification** | Ratified.<br>(Resolution No. 2998) | - |
| 210 | ANGRAU – Academic Council – Cooption of members to the Academic Council section 21(2) of ANGRAU Act – Nomination of two Members – Ratification – Reg. | Ratified.<br>(Resolution No. 2999) | - |
| 211 | ANGRAU – 10% of Supernumerary quota of NRI/NRI sponsored seats in UG | Ratified.<br>(Resolution No. 3000) | - |

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| | programmes of the University from academic year 2020-21 – Agenda for ratification – Regarding. | | |
| 212 | ANGRAU – Academic Council – Cooption of members to the Academic Council section 21(2) of ANGRAU Act – nomination of six members – Ratification – Reg. | Ratified.<br>(Resolution No. 3001) | - |
| 213 | ANGRAU – Agril. Science – Re-introduction of Summer break (non – instructional month) to the students and faculty – Regarding. | Ratified.<br>(Resolution No. 3002)<br>Resolved to not to re-introduce the summer break for this current academic year 2020-21 | - |
| 214 | ANGRAU – Agril. Science – Counting of contact hours per week for the additional | Ratified.<br>(Resolution No. 3003) | - |

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| | duties to the teachers – Regarding | Resolved to constitute committee to study the modalities for counting the contact hours for additional duties to the teachers and submit the report within one month. | |
| 215 | ANGRAU – Agril. Science – Procedure of evaluation of semester final theory and practical examination in constituent and affiliated colleges of ANGRAU – Regarding. | Ratified.<br>(Resolution No. 3004)<br>Resolved that semester final practical examinations question papers will be sent by the University to affiliated colleges to conduct examination and to evaluate the answer scripts by their teachers. The conduct of any examination should be under CC camera coverage and is mandatory to send the footage to the University. | - |

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| | | It is resolved that S.V. Agricultural college, Tirupati, Agricultural College, Bapatla and Agricultural College, Rajamahendravaram are identified as Regional Evaluation Centre (REC) for evaluating semester final theory answer scripts. Answer scripts from Agricultural College, Mahanandi, Sri Krishna Devaraya College of Agricultural Sciences, Anatapuramu and J.C.Diwakar Reddy Agricultural College,Tadipatri are sent to the REC, Tirupati after coding at respective colleges. These papers along with the answer scripts of S.V. | |

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| | | Agricultural College, Tirupati will be evaluated by the teachers from Agricultural College, Bapatla, KBR College of Agriculture, C.S.Puram, N.S. Agricultural College, Markapuram and SBVR Agricultural College, Badvel.<br>Answer scripts from KBR College of Agriculture, C.S.Puram, N.S. Agricultural College, Markapuram and SBVR Agricultural College, Badvel are sent to the REC, Bapatla after coding at respective colleges. These papers along with the answer scripts of Agricultural College, Bapatla will be evaluated by the | |

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| | | teachers from Agricultural College, Naira, Agricultural college, Rajamahendravaram, SKY College of Agricultural Sciences, Etechrala and J.C.Diwakar Reddy Agricultural College,Tadipatri.<br>Answer scripts from Agricultural College, Naira and SKY College of Agricultural Sciences, Etechrala are sent to the REC, Rajamahendravaram after coding at respective colleges. These papers along with the answer scripts of Agricultural College, Rajamahendravaram will be evaluated by the teachers from S.V. | |

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| | | Agricultural College, Tirupati, Agricultural College, Mahanandi and Sri Krishna Devaraya College of Agricultural Sciences, Anatapuramu. After decoding at the REC the marks award list will be sent to the respective colleges. | |
| 216 | ANGRAU – Agril. Science – Payment of remuneration for the evaluation of answer scripts of affiliated colleges of the University – Regarding | Ratified.<br>(Resolution No. 3005)<br>Resolved to represent the matter to the Government regarding audit objections raised. | - |
| 217 | ANGRAU – Faculty of AE&T – Question bank preparation for all the courses of B.Tech (Ag. Engg) & B.Tech (Food Technology) – Proposals – Regarding. | Ratified.<br>(Resolution No. 3006) | - |

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| 218 | ANGRAU – Faculty of AE&T – Allowing final year students of B.Tech (Ag Engg) & B.Tech (Food Technology) for completing ELP and Student Projects – Proposals – Regarding. | Approved.<br><br>(Resolution No. 3007) | - |
| 219 | ANGRAU – Faculty of AE&T- Partial change of contents of the course "Fluid Mechanics (FDBE 166)" suiting to the needs of B.Tech (Food Technology) and change of course title as "Fluid Mechanics for Food Processing" – Course contents and lecture outlines revised – Approval – Regarding. | Approved.<br><br>(Resolution No. 3008) | - |
| 220 | ANGRAU – Community Science – Admission of students into B.Sc. (Hons) Community Science Programme through | Approved.<br><br>(Resolution No. 3009) | - |

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| | common entrance examination (EAMCET) – Regarding. | | |
| 221 | ANGRAU - Community Science - Inclusion of Agricultural and Veterinary courses as basic supporting course in B.Sc (Hons.) Community Science Programme – Regarding. | Approved.<br>(Resolution No. 3010) | - |
| 222 | ANGRAU – P.G. Studies – Allotment of seats in Ph.D in some disciplines at alternative campuses on rotation basis- Regarding. | Approved.<br>(Resolution No. 3011)<br>Approved to discontinue with the procedure of allotting Ph D seats to alternate campuses on rotation basis in some of the disciplines presently in practice from the Academic Year 2021-22 onwards. | - |

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| 223 | **ANGRAU - PG Studies - Extension of six months for submission of thesis for PG/Ph.D. students in view of covid-19 pandemic and subsequent lockdown – Regarding.** | Approved.<br>(Resolution No. 3012) | - |
| 224. | **ANGRAU - PG Studies - Proposal for starting P.G. Programme in the Departments of Soil Science & Agricultural Chemistry at Agricultural College, Naira - Regarding.** | Resolved.<br>(Resolution No. 3013)<br>A committee shall be constituted to study the proposal and to come up with recommendations. The committee has to submit report on or before 31.01.2021. | - |
| 225. | **ANGRAU - PG Studies - request to reinstate seat in M.S.c. and Ph.D. Programme in the Department of Resource Management and Consumer** | Resolved.<br>(Resolution No. 3014)<br>**A** committee shall be constituted to study the proposal and to come up | - |

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| | **Science in the faculty of Community Science – Regarding.** | with recommendations. The committee has to submit report on or before 31.01.2021. | |
| 225 | **ANGRAU-PG Studies-Proposal for starting M.Tech. Programme in two departments i.e in the faculty of Agricultural Engineering - Regarding.** | Resolved.<br>(Resolution No. 3015)<br>A committee shall be constituted to study the proposal in the backdrop of the report submitted by the earlier committee and to come up with recommendations. The committee has to submit report on or before 31.01.2021 | - |
| 226 | **ANGRAU - PG Studies - Department of Agricultural Extension - enhancement of Seats in both M.Sc.(Ag.) and Ph.D. in Agricultural Extension from the** | Resolved.<br>(Resolution No. 3016)<br>A committee shall be constituted to study the requirement of | - |

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| | **Academic**<br>**Year 2021-22 - Regarding.** | enhancement of seats not only in Agricultural Extension but also in other disciplines across the faculties and to come up with recommendations. The committee has to submit report within one month i.e., on or before 31.01.2021 | |
| 227 | **ANGRAU - P.G. Studies - PG admissions - ICARs AIEEE/AICE in the discipline of Food Technology - Considering the eligibility of B. Tech (Food Technology) students for the admission into M.Tech/Ph.D. in Process and Food Engineering in the University – Regarding.** | Resolved.<br>(Resolution No. 3017)<br>A committee shall be constituted to look into the issue and come up with recommendations. | - |

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| 228 | **ANGRAU - P.G. Studies - Permission to extend the period of one more semester for resuming of studies of M.Sc. (Ag.) after discontinuation students instead of 4 semesters of discontinuation (PG regulation 8.7) - Regarding.** | Approved.<br>(Resolution No. 3018)<br>Approved to extend the discontinuation for one more semester i.e for four semesters but without extending the maximum time limit of four years for completion of the degree programme as per the existing PG Regulations (Para 8.6). | - |
| 229 | **ANGRAU - P.G. Studies - Introduction of NRI seats in Master Programmes in some of the disciplines in the University - Regarding** | Resolved.<br>(Resolution No. 3019)<br>A committee shall be constituted to work out the modalities and submit a report within three months i.e. on or before 31-03-2021 to take up further | - |

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| | | necessary action. | |
| 230 | ANGRAU – Estt. – Proposals for fixing the number of seats and identification of Deficiency areas / Institutions for prosecuting Ph.D. within ANGRAU and outside ANGRAU for the Academic year 2021-22 – Regarding. | **Resolved.**<br>(Resolution No. 3020) | - |
| 231 | ANGRAU – Community Science – Guidelines for conducting RAWE and Internship for final year students of B.Sc (Hons.) Community Science without losing the academic year 2020-21 during COVID 19 pandemic – Ratification – Regarding. | Ratified.<br>(Resolution No. 3021)<br>Ratified | - |
| 232 | ANGRAU – Community Science – Guidelines for implementing ELP for final year students of B.Sc (Hons.) Community | Approved.<br>(Resolution No. 3022)<br>Approved to follow the guidelines | - |

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| | Science without losing the academic year 2020-21 during COVID 19 pandemic – Regarding | framed for implementing ELP for final year students of B. Sc. (Hons.) Community Science during II Semester 2020-21 without losing the academic year. | |

**6.6.2.2. Innovation and Best Practices: (***An innovative practice could be a pathway created to further the interest of the student and the institution, for internal quality assurance, inclusive practices and stakeholder relationships. What are the innovative efforts of an institution that help in its academic excellence?***)**

ANGRAU has pioneered several initiatives in educational technology, which have been adopted by other State Agricultural Universities in the country.

- To start with, the Rural Agricultural Work Experience Programme (RAWEP) is one such designed programme to impart first-hand experience of rural farm situations to the undergraduate students. Besides RAWEP, the students also undertake Agricultural Experiential Learning Programme (AELP) as per the recommendations of ICAR to develop competence through knowledge and skill in all aspects of enterprise management.



**Fig 5. Students in ELP on Milk and Milk products at CFST, Bapatla**




**Fig 6. In-Plant Training to Graduate Students**

- Student READY**:** Indian Council of Agricultural Research (ICAR) has initiated 'Student READY' (Rural Entrepreneurship Awareness Development Yojana) from the Academic year 2016-17 for the final year students of the undergraduate programme which aims to build confidence among the agri-graduates for establishing self-employment avenues or for securing employment in various public or private sector organizations so as to serve the farming community with better quality and commitment. The programme is intended to provide hands-on experience and practical training to the undergraduates to utilize the technical knowledge learned during the preceding three years of their undergraduate course. The three components which were included under Student READY by Acharya N. G. Ranga Agricultural University, viz., Rural Work Experience Programme (RWEP), Internship/In-Plant Training /Industrial Attachment Programme and Experiential Learning programme (ELP) will definitely provide ample opportunities for the students to acquire practical knowledge and skills to orient them towards providing best services for the welfare of the farming community.



**Fig 7. ELP on Hydroponics at Dr. N.T.R. College of Agricultural Engineering, Bapatla**




**Fig 8. Final Year Graduate Students in Rural Agricultural Work Experience Programme (RAWEP) participation**

- Agricarnival: Agricarnival, a festival of agriculture is celebrated in Agricultural Colleges by the students to emanate their innate talents in the field of Agriculture since 2016-‘17. It is conducted with an objective to inculcate inquisitiveness, innovativeness and influencing skills in students. The University has also started organizing AGRICARNIVAL at University level from the Academic Year 2018-19 on an important topic of relevance to the current situation by involving the students from all the constituent and affiliated colleges of ANGRAU pertaining to the faculty of Agriculture, Agricultural Engineering & Technology and Community Science to develop competitive spirit among the students and across the faculties.
- The academic programmes in all the three faculties (Agriculture, Agril Engineering & Technology, and Community Science) were revised from the academic year 2016-’17 based on the ICAR’s V Deans Committee recommendations and are being implemented. Important topics such as “Climate Change, Sustainable Agriculture, Organic Agriculture, Natural Farming, Environmental Pollution, Disaster Management, etc. were included in the curriculum.
- Elective courses (Optional courses) are offered to second year and third year undergraduate students to create personal interest in the subject of their choice.
- Post Graduate and Doctoral students are encouraged to participate in national and international seminars and conferences. The University is also instrumental in providing world class learning experience to its students through international trainings, symposia and conferences in frontier areas like biodiversity, climate change, genetically modified crops, agri-business, nano-technology and population studies.

- The university strives hard to develop in all facets of agricultural education through implementation of defined strategies utilizing the funds from NAHEP from the Academic year, 2018-19. Student management systems, Alumni management, Management of social and environmental equity, Development of virtual classrooms, Maintenance of high professional standards etc., are some of the objectives to be accomplished under this programme.



**Fig 9. Virtual Class Room at Dr. N.T.R. College of Agricultural Engineering, Bapatla**

- Fifty-five students from five accredited colleges of ANGRAU were deputed to International training programme for a period of two months at Kansas State University and Oklahoma State University in the USA during August, 2019. In addition, the students of final year and third year UG Programs were also sent for various trainings at National

Level. The graduate students were given 21-days training programme conducted by ICAR-NAARM on "Entrepreneurial Skill Development" for orienting them on varied skills related to entrepreneurship and innovations in agribusiness. Duly taking the advantage of Institutional Development Plan (IDP) of National Agricultural Higher Education Programme (NAHEP), the ANGRAU strives to transform into an Institution of Excellence rendering quality agricultural education to the students.

- Personality Development: The personality development programmes to the students and faculty have been initiated from the Academic year 2016-'17 in all the Agricultural Colleges as a part of co curriculum.
- Online training programmes on areas such as "Contemporary Education Technologies for Agricultural Education" are imparted to faculty of ANGRAU regularly.
- ANGRAU is encouraging deputation of faculty for higher studies other than in ANGRAU to facilitate exposure to new institutes at national and international level and to reduce inbreeding.
- Foundation course for faculty of Agricultural Universities is offered to newly recruited faculty in all the disciplines/faculties of ANGRAU.
- To galvanize research in frontier areas, ANGRAU has forged effective linkages and collaborations with several institutes of National and International repute.
- The B.Sc. (Hons) Community Science curriculum has also been restructured with three years of core courses and one year of student READY programme from the academic year 2016-17. From the academic year 2019-20, admission to male students is encouraged. The curriculum for U.G. and P.G. concentrates on five core areas namely, Food Science and Nutrition (FSNT), Apparel and Textiles (APTX), Resource

Management and Consumer Sciences (RMCS), Human Development and Family Studies (HDFS) and Extension Education & Communication Management (EECM). Various core and elective courses are offered by all five departments during the first three years of UG programme. During fourth year, Student READY Programme is offered with three modules Internship, Rural Awareness Work Experience Programme and Experiential Learning Programme.

- The College of Community Science runs four counseling centers namely Diet Counselling Center, Child Guidance and Family Counseling Center (ALAMBANA), Interior Design Solutions, Consumer Guidance and Counseling Center, which are gaining popularity slowly in the public.
- A national conference "Annual Post Graduate Students National Conference" (APGSNC) exclusively for PG and PhD students is organized annually for enabling them get exposure to latest topics in agriculture and allied areas.



**Fig 10. The Annual National Event, APGSNC-2020 held at Agricultural College, Bapatla**

- Following the UGC guidelines, the University has adopted the Anti-plagiarism policy which is being implemented in the University from July, 2019. The Anti-plagiarism policy is being strictly followed in the University, by constituting committees at department level and college level, to check the plagiarism before submission of synopsis/thesis and thus encouraging the students to select fresh topics for research based on identified problems. All the faculty research outcome in the form of research publications will also be scrupulously screened with anti-plagiarism software for ensuring ethical practices in science and avoiding breach of professional research reports.
- The University is working relentlessly to develop a well-equipped, high standard Central Instrumentation Cell (CIC) in each College so that the students can conduct quality research. Accordingly, the university has spent more than Rs. 30 crores for the development of Central Instrumentation Cell in the selected constituent colleges.
- Admissions: The students are admitted into B.Sc. (Hons) Agriculture programme based on EAMCET (Engineering, Agriculture and Medical Common Entrance Test) conducted by the Government of Andhra Pradesh. Intake of students in the Post-Graduation and Ph.D. is based on the performance in the All India Entrance Examination (AIEE) conducted by the ICAR and for Ph.D. programme on the performance of AIEE of ICAR and interview. The University offers Post Graduate and Doctoral programs in various departments of agriculture. The University also admits the students outside the state of Andhra Pradesh through ICAR common entrance examination conducted for admission into Under Graduate and Post Graduate courses. International students also seek admission into Under Graduate and Post Graduate Degree Programmes through ICAR and ICCR, New Delhi.

- An MoU was signed between ANGRAU and Andhra Pradesh State Council of Higher Education (APSCHE) on 20.11.2020 for implementation of undergraduate online admissions combinedly for ANGRAU, Dr. YSRHU and SVVU for the academic year 2020-'21 (in view of covid-19 pandemic).
- Open and Distance Learning Centre (ODLC) at Guntur was established in the year 2018 with the objective of extending agricultural education through distance learning to aspiring farmers, farm women, rural youth, students and other stakeholders in Andhra Pradesh. The centre is organizing skill oriented short term certificate courses across the state (KVK premises as study centres for contact classes and scientists as resource persons) in spheres such as Organic Farming, Terrace Gardening, Bee Keeping, Mushroom Production, Millets Promotion, Agricultural Journalism, etc. Till date, the centre has enrolled more than 1000 aspirants in various courses and awarded certificates to 800 members who successfully completed course requirements.
- ANGRAU has made mandatory the submission of one research article for Masters & publication of one research article for PhD degree students prior to their submissions of theses/dissertations.

**6.6.2.3. Library**: (*Write about the University library (in one page) mentioning its space for stocking and reading, automation, library staff, library committee meetings, library management system, text book availability, subscription of research journals, periodicals, e-journals and other necessary state-of-the-art software/programme, timing etc.*)

**a) Introduction to ANGRAU library**

The ANGRAU Library System is having 11 Libraries in its fold including the University Library located at the Head-Quarters in Lam, Guntur. All the Libraries under ANGRAU function under the overall supervision of the University Librarian. The main motto of the

Libraries is to accomplish its task of reaching to wider user community, comprising of teachers, scientists, extension specialists and students. The objectives of ANGRAU library are a) to collect, maintain, and make accessible all books and journals of Agriculture and allied subjects to the scientific and student community; b) to procure, consolidate and make accessible all types of documents in the principal areas of agriculture and associated subjects of importance to the university; c) to maintain resource house of information on the continuing research and development in agriculture and allied areas in the university; d) to interact with the associated institutes in the country for effective e-resource sharing and document delivery service; and e) to participate in Agricultural Library and Information Networking at the Regional, National and International levels.

**b) Space for stocking and reading**

After bifurcation of the University, the University Library is established in temporary rooms. The Integrated Administrative Building including University Library is under construction. About 9940 sqft have been allotted for the University Library including all library sections.

**c) Automation**

Digital library infrastructure facilities viz., computers with the latest configuration, internet facility, online printers, scanners, WiFi facility, etc., are fully strengthened in the libraries to utilize the electronic resources for the improvement of academic and research programmes. The library is updated with KOHA Library Management Software and all library housekeeping operations are taken up through KOHA software. Internet facility is provided in all

the libraries. RFID Technology of Document Identification and Library Security System have been implemented for the library functions and services.

**d) Library staff**

| Name of Post | Sanctioned | Filled | Vacant |
|---|---|---|---|
| University Librarian | 01 | 00 | 01 |
| Assistant Professor (LIS) | 01 | 01 | 00 |
| Technical Assistant | 01 | 00 | 01 |
| Junior Library Assistant | 01 | 00 | 01 |
| Shelf Assistant | 05 | 00 | 05 |
| Junior Assistant-cum-typist | 01 | 01 | 00 |

**e) Library committee meetings:** Nil

**f) Library management system**

The ANGRAU libraries function under the overall supervision of the University Librarian. The Regional Libraries are run by Assistant Professors (LIS) under the administrative control of the Associate Deans in their respective colleges. In a nutshell, the ANGRAU University library has very rich collection of print and non-print documents viz. of books, e-books, e-journals, databases such as J-Gate Agriculture and Biological Sciences (CeRA), KrishiKosh, DELNET, EPRF Agricultural database, Indiastat.com and many more. All the library e-Resources are being made available through Remote access to various colleges, Research stations, Polytechnics, DAATT centers and KVKs of ANGRAU for the benefit of Students, Scientists, Teachers and extension staff and are being made available through online. The University Library also focuses on electronic delivery of information and library e-Resources are accessible through web.

In addition, every Polytechnic Institute is also provided with library facilities for the benefit of the students and teachers. These libraries are maintained by Officer-in-charge, Library.

**g) Text book availability**

All the ANGRAU Libraries have around 3225 volumes of Books in Agriculture and allied disciplines which includes Textbooks, Reference Books, Competitive Examination Books, Advances etc. The libraries are updating the book collection with latest editions of volumes regularly.

**h) Subscription of research journals/periodicals**

The library subscribed/renewed 23 Print Journals. It has rich collection of Back-Volumes bounded and made available for reference of the users.

**i) e-Journals**

The University Library has subscribed 80 Indian and foreign e-journals along with **Consortium for e-Resources in Agriculture (CeRA),** and has access about 2,900+ e-journals covering various disciplines of agricultural sciences and allied sciences. A list of Open Access e-Journal Portals has also been compiled by the Library and web links established to those portals to ensure easy access to the invaluable journal literature; this will improve the quality of research and save lot of precious time of the students, teachers and researchers.

**j) e-Books**

Collection of about 949 e-Books are available at present and all these e-books are accessible via remote login which is available through the internet connecting all the libraries. The e-Book gateway also provides web links to e-book gateways which are providing access to thousands of full-text e-books covering various disciplines including Agriculture and allied sciences.

**k.) State of-the-art software/programme**

- **KOHA**: Implemented KOHA Library Management Software for all library housekeeping operations

- **D Space Software:** It has been created with the collaboration of ICAR. The ANGRAU is a member in IDEAL Platform and sharing the Union Catalogue.
- **Remote Login Service:** The ANGRAU University Library through its campus network and Remote Login facility facilitates to provide access to huge data base collection of subscribed online resources. The users can access e-Resources and large collection of print resources, while Web-OPAC will facilitate the users to search and explore the availability of holdings of Library from any place of their convenience 24x7.
- **RFID Technology** of Document Identification and Library Security System have been implemented for the library functions and services.
- Online Public Access Catalogue (OPAC)
- Resource sharing through: Consortium of e-Resources in Agriculture (CeRA), Developing Library Network (DELNET)
- Online Document Delivery Service (DDS), Archiving of Digital Repository of Institutional Publications in KrishKosh.
- ***PGS-501 Library Services Course:*** Conducts Non-Credit compulsory course on Library and Information Services (PGS-501) for the M.Sc. and Ph.D. Students.
- ***Orientation Programme:*** The Orientation Programmes on the library system, rules and regulations, library facilities and services of library, etc., are being conducted every year to newly admitted U.G., M.Sc., and Ph.D students.
- ***Awareness Programmes on e-Resources:*** The University Library is regularly conducting training cum and awareness programmes on e-Resources and on accessing online information resources viz., CeRA, KrishiKosh, Statistical Databases, e-Books, e-Journals, etc. for the benefit of Scientists, Teachers, Extension Specialists and Students.

- ***Library Publications:*** The ANGRAU University Library is bringing out every year ANGRAU Post Graduate Thesis Abstracts regularly for the benefit of Teachers, Scientists, Extension Specialists and Students.

**l) Timings**

Weekdays: 10.00 a.m. to 5.00 p.m.

Sundays: 8.00 a.m. to 2.00 p.m.

**6.6.2.4. Center for Excellence/Advance Studies/Centre for Advanced Faculty Training (***Clearly mention about the name, number, year of establishment, funding agency and outcome of Centre for Excellence/Advance Studies/Centre for Advanced Faculty Training*)

**a) Advanced Post Graduate Centre (APGC), Lam, Guntur**

The establishment of APGC was conceived and planned based on the premise that keystone Agricultural University needs State of the art advanced teaching and research facilities for post graduate instruction in the new premises of ANGRAU, at Lam, Guntur, to fill the gap in the fields of specialized programmes of faculty of Agriculture, Agricultural Engineering & Technology, and Community Science due to bifurcation of State in 2014. The APGC was inaugurated on 5$^{th}$ August 2015 by the Hon'ble Vice Chancellor, Dr. A. Padma Raju along with Dr. T. Ramesh Babu, Dean of Post Graduate Studies, in anticipation of the orders from the Government. Subsequently, necessary orders were issued vide G.O. MS No.4 dated 04.01.2016 of the Department of Agriculture and Co-operation, Govt. of Andhra Pradesh. The APGC offers PG courses and PhD courses and contributes to enhancement of research skills of students. The APGC is presently applying for accreditation during 3$^{rd}$ cycle of accreditation to the University and its constituent colleges during the year 2021. Presently, ANGRAU is running the Centre with its own funds and as per the G.O.MS No.4 of Govt. of AP as mentioned above.

The mission of the APGC is to promote excellence amongst post graduate students of Agricultural and allied sciences through the highest quality post graduate education that prepares interdisciplinary leaders with rich knowledge and understanding on advancements in science, drive in innovation, desire to undertake scholarly studies to contribute for the welfare of farming community and nation. The APGC focuses on strategic areas like a) To establish centers of excellence in various Agricultural and allied Science areas with state of the art laboratories and research facilities, b) To promote excellence in teaching in advancements in agricultural and allied sciences through participatory methods and interactive discussions, c) To promote excellence in formulation and conduct of research projects for the post graduate, doctoral and post-doctoral research, d) To promote and pursue partnerships and external funding opportunities to develop innovative methods for agricultural production, productivity, food safety and other allied sectors, in support of scholarly and professional development of both students and faculty, e) To promote inter-disciplinary research, partnerships and collaborations of students and faculty with other National and International Universities / Institutions for the enhancement of learning opportunities and synergetic research, and f) To contribute significantly for the welfare of farming community through focused research programs.

The APGC kick started with PG studies in the disciplines of Agronomy (Water Management), Environmental Sciences, Agricultural Microbiology and Seed Science and Technology during the academic year 2015-16, Molecular Biology and Biotechnology in Agriculture and Apparel and Textiles, Foods and Nutrition, Human development and Family Studies, Home science Extension and Communication Management and Resource Management and Consumer Sciences (5 departments) of Community Science during the academic year 2016-17.

**b) Center for Excellence & Center for Advanced Faculty Training**

There is no exclusive Centre for Excellence at ANGRAU at present. However, training programmes are being offered at various constituent colleges, and centres as indicated below duly serving the purpose of Centres for Excellence.

- APGC organized a training programme on work excellence on behalf of ANGRAU for the teaching staff during the year 2018.
- S. V. Agricultural College, Tirupati, besides meeting the personnel requirements of agricultural development and other technical departments of Govt. of AP, is also serving as "Centre of Excellence" in the development of trained human resources required in the field of agriculture and who can serve the farmers in mitigating agriculture related problems.
- The Institute of Frontier Technology (IFT) at Regional Agricultural Research Station (RARS), Tirupati that was established with the funds provided by ANGRAU under State Plan and RKVY projects presently is also a Centre for Excellence in frontier agricultural research. The IFT was inaugurated by Hon'ble Governor of Andhra Pradesh Sri E.S.L. Narasimhan on 26.10.2010. The institute has a) Genomics lab, b) Pesticide Residue Testing Lab, c) Quality Control Lab, d) Phenotyping Lab, e) Tissue Culture Lab, f) Nanotechnology Lab, g) Biocontrol Lab, h) Biofertilizer Unit, i) Post-harvest Processing and Value addition Lab, j) Soil Spectroscopy Lab, k) Zonal Soil-Plant-Fertilizer Referral Lab, l) Soil Microbiology Lab, and m) ANGRAU Poshan Incubator. Thrust areas of research at IFT are a) Development of resistant crops to biotic and abiotic stress through conventional and marker assisted selection in groundnut and pulses, b) Molecular characterization and development of diagnostics for plant viruses infecting important

crops, c) DNA fingerprinting of varieties developed by ANGRAU, d) Synthesis and application of nano scale plant nutrients, e) Pesticide analysis of agricultural produce, f) Soil, plant and water analysis and developing of fertility maps for Southern zone, g) Identification of native potential bio control agents , formulations and commercial production of bio fertilizers, h) Development of post harvest processing and value additions in legumes and millets.

**6.6.2.5. Incubation Centre / Start up Units/ Venture Capital (***Provide the list of incubation centre (s), start up units/venture capital set up by the University for the promotion of technologies generated at the University*)

**a) Incubation Centre:** Presently ANGRAU has one incubation centre with the following details.

ANGRAU Agri Innovations and Entrepreneurship Development Cell (ANGRAU AIED Cell): This Incubation Centre was established at RARS, Tirupati in 2019 with a brand name of "ANGRAU Poshan Incubator". This Incubation Centre is funded by Rashtriya Krishi Vikas Yojan-Remunerative Approaches for Agriculture and Allied Sector Rejuvenation (RKVY-RAFTAAR), a scheme of Ministry of Agriculture & Farmers Welfare.

The ANGRAU Poshan Incubator supports new Agri Entrepreneurs and Innovative Start-ups by providing technical support and all the pre-revenue services. The priority areas of ANGRAU Poshan Incubator include a) Agriculture (Focus Industry), b) Dairy farming, Organic agriculture, Agri-tech, Food processing and others (Focus Sectors), c) Ideation, Validation, Early

Traction, Scaling (Preferred Startup Stage), and d) 12 months and more (Programme duration).






**b). Start up Unit**

Start Up Unit in "Food Processing and Value Addition", RARS, Lam, Guntur:

The Faculty of Community Science has been actively intensifying the promotion of healthy lifestyle changes and entrepreneurial abilities among various individuals by organizing "Annual Millet Fest" in alliance with the State Agricultural Department. In the process, the faculty initiated "Start-up Unit in Food Processing and Value Addition" at RARS, Lam, Guntur.

The Unit aims at standardization of value-added millet products and generate easily affordable consumer friendly products under the brand name of "ANGRAU PRODUCTS".

**6.6.2.6. Technology Enabled Learning Resources**: (*Technology allows for personalizing learning, building capacity of teachers and driving decisions based on real-time data. What kind of infrastructure, digital content, teacher training and data systems have been created in this regard. What are the monitoring and evaluation frameworks to maintain and sustain these facilities?*)

Acharya N G Ranga Agricultural University is supporting technology enabled learning in teaching, research and extension that helps in effective delivery of its mandates. The technology enabled learning resources help the faculty to keep pace with the innovative agricultural research globally. In academics, the programme/curriculum delivery to students is ICT based and especially in the wake of Covid-19 pandemic, faculty are necessitated to use virtual platforms completely during the lock-down periods for curriculum delivery, online comprehensive

examinations, viva-voce, etc. to students such as Zoom, Google meet, gotomeet etc. The Library Management System in ANGRAU has facilitated the faculty with 15 dedicated licensed zoom application connections every month since April 2020 to undertake various teaching/examination activities virtually.

Application of ICT technologies in agricultural research in different disciplines is gaining momentum globally and so ANGRAU is promoting the use of ICT technologies in research, teaching as well as extension. Faculty are encouraged to attend training programmes in these relevant areas in respective disciplines. With the negative impact of climate change in agriculture looming large, research faculty are being directed to meet the mandate of climate smart agriculture through incorporating aspects like precision farming and data analytics (cloud computing/storage of data, etc.). Faculty are encouraged to do online courses (Massive Open Online Courses) in these areas and these course trainings are considered for their promotion under direct category and under Career Advancement Scheme. Faculty are also encouraged to write e-Course content (ICAR) in different subjects and disciplines and duly weighed during their promotions.

With technological advancement in agricultural research and its applications is revolutionized at game changing speed, drone application in agricultural research is fast catching up in ANGRAU in areas of crop protection, plant health assessment, etc. The proposed establishment of Centre for "A.P. Sensors & Smart Applications Research in Agriculture (APSARA)" in Lam, Guntur under RKVY-RAFTAAR is one such development. For this, Faculty are identified with adeptness in relevant areas and encouraged to attend trainings.



**Fig 11. Research on Unmanned Aerial Vehicles (Drone Technology) at ANGRAU**

The objectives of ANGRAU Library System include a) interacting with the associated institutes in the country for effective e-resource sharing and document delivery service and b) participating in Agricultural Library and Information Networking at the Regional, National and International levels. Against this backdrop, the Central and Regional Libraries are digitalized for improvement of academic and research programmes. All the libraries are updated with KOHA Library Management Software. Further, RFID (Radio-Frequency Identification) Technology is enabled for document identification and security system management.

Learning resources and the pertinent infrastructure are provided for the faculty as well as students in ANGRAU Libraries. Vast collection of e-books, e-journals and databases such as J-Gate Agriculture and Biological Sciences (CeRA), KrishiKosh, DELNET, EPRF Agricultural database, Indiastat.com are the important ones. These learning resources in libraries are made available to faculty through online. Other important technological advances (state-of-the art software) that are facilitated to ANGRAU faculty and students are a) D Space Software (in collaboration with ICAR); Remote Login Service and Web-OPAC for accessing library

resources from distant places @ 24x7. Also available are digital learning resources such as a) OPAC (Online Public Access Catalogue) and b) DDS (Online Document Delivery Service).

Students of Masters' and Doctoral programmes have the opportunity of pursuing a Non-Credit compulsory course on Library and Information Service (PGS-501) that educates the students on library resources, its access, formats of information resources, online resources, hands on training on e-resources and collection of literature etc.

Sustenance of library facilities is the onus of Central Library, located at ANGRAU and hands on training to faculty and students are given on effective utilization of library resources through organizing "Orientation Programmes, Awareness Programmes on e-Resources" etc, frequently.

Frontier areas of ANGRAU research include applications on Remote Sensing, Geographical Information System, Global Positioning System, and internet mapping applications. An exclusive Geospatial Technology Centre (GTC) is functioning to serve multiple purposes to students and faculty in geospatial data management besides other applications in agricultural research. With the establishment of an exclusive GTC at Lam, Guntur, the faculty have direct collaborations with NRSC (National Remote Sensing Centre) and ISRO and facilitates technological access to faculty and students. GTC has necessary infrastructure and works towards enhancing technology utilization for agriculture development by participating in various operational and R&D projects of State and National level Institutions. Nanotechnology is another frontier area of agricultural research and faculty are hands on trained in Nanotechnology laboratory. Workshops and seminars are also being conducted for imparting knowledge to the faculty and students. Besides, the faculty are also sent to national and international institutes for

pursuing Post-Doctoral research and trainings for further excellence after resuming their work in ANGRAU.

**6.6.2.7. Integrated Learning Systems (Experiential Learning):** (*How many these units have been sanctioned by the ICAR? Mention the functional condition of each unit. Provide data regarding year wise profit sharing with the students from each unit*)

ICAR has sanctioned five ELP units to ANGRAU. Apart from this, each college is implementing different ELP units viz., Vegetable production, mushroom production, vermiculture units, *ragi* production, pulse production, agricultural consultancy, milk processing, food retailing, soil, water and plant analysis, fish processing, value addition, fabrication of small implements, etc.

**Table 6. Details of ICAR sanctioned EL Units in ANGRAU**

| ICAR sanctioned EL unit | College | Previous five years profit (Rs) | | | | |
|---|---|---|---|---|---|---|
| | | **2019-'20** | **2018-'19** | **2017-'18** | **2016-'17** | **2015-'16** |
| Groundnut Breeder Seed Production* | Agrl. College, Bapatla | -960 | -- | -- | -- | -- |
| Soil Testing Unit | Agrl. College, Bapatla | 5,00,050 | 94,200 | 46,500 | 36,520 | 27,800 |
| Production and marketing of mushrooms | S.V. Agril. College, Tirupati | 47,635 | -- | -- | -- | -- |
| Hydroponics* | Dr. NTR College of Agricultural Engineering, Bapatla | -- | -- | -- | -- | -- |
| Milk and milk products | Dr. NTR College of Food Science & Technology, Bapatla | 66,457 | 69,247 | 74,335 | 1,33,525 | 84,105 |

*Established during 2019-'20 only.

**6.6.2.8. Academic Industry Interface:** (*Mention the important channels for knowledge transfer between University and firms. How the University has been benefitted in last five years in terms of resource mobilization, research funding, knowledge transfer and others*)

With the motto of win-win relationship, ANGRAU has tie ups with several industries. ANGRAU under PPP module is witnessing synergistic effect in solving field problems. Academic-industry interface in ANGRAU is followed in all the teaching, research and extension wings. Knowledge transfer, resource mobilization, research funding and other benefits derived under PPP mode in teaching, research and extension are detailed below.

a) **PPP benefits to ANGRAU in Academics**:

- Increased employability of agri-graduates through ICAR introduced Student READY (Rural Entrepreneurship Awareness Development Yojana) with industrial attachment as part of internship programme for final year undergraduate students of all faculties.
- Scholarships/Fellowships to Post Graduates and Doctoral Students in research programmes and to undergraduates in ELP.
- With more and more industrial network in PPP mode and with frequent mutual visits, course curriculum revisions are made based on location specific problems of farmers and the needs of industries in agriculture and allied sectors.
- Increased adoption rate of ANGRAU proven technologies through collaborative research with R&D sectors of industries by consistent visits to the colleges/research farms.
- Increased entrepreneurial skills of the students with frequent exposure visits to agro industries.

- Identification of research problem for PG and doctoral research, based on the experience of industries which can be coupled with the academic background of the University.
- Sharing of resources for student/faculty research with the industry
- Other fringe benefits in the form of kiosks on knowledge sharing and monetary benefits during the Kisan Melas, and other meetings organized at constituent colleges of ANGRAU.
- Positive changes in perception of faculty and in widening the curriculum base for students based on the experiences of private sector
- Consultancy opportunities to faculty in different disciplines.
- Sponsorship to students/faculty for research paper presentations in international seminars.

**b) PPP benefits to ANGRAU in Research:**

- Funding opportunities for sponsored research projects and fees for pursuing paid up trials in ANGRAU research stations.
- Consultancy services by research scientists to the agro-industrial sector
- Wide adoption rate of ANGRAU research technologies with more and more P-P partnerships.
- Financial benefits to ANGRAU for seed certification by University Breeders and for plant quarantine related activities to Plant Protectionists in the State.

**c) PPP benefits to ANGRAU in Extension:**

- Collaboration with M.S. Swaminathan Research Foundation (MSSRF), Chennai for promoting the concept towards "Farming System for Nutrition (FSN) through three KVKs for addressing malnutrition with demonstrations at KVKs.
- Partnerships with Reliance Foundation Information Services (RFIS) for disseminating the information through various ICT tools.
- Technical support to the *Kalgudi* platform to disseminate the information to the farmers through advisories.
- Technology promotion and popularization of ANGRAU branded value added millet products from Community Science faculty.

**6.6.2.9. National Ranking (ICAR/MHRD): (***Mention about the rank of the University in last five years in the NIRF from ICAR/MHRD***)**

**a) Ranking by ICAR**

The ranking of Agricultural Universities by ICAR, New Delhi was initiated from 2016 onwards. Since then, the ANGRAU is submitting applications for consideration of ranking. ANGRAU secured 27$^{th}$ rank (2016-'17); 22$^{nd}$ rank (2017-'18); and 31$^{st}$ rank (2018-'19) and **13$^{th}$ rank (2019-'20)** during the last four consecutive years. The broad categories that are taken into consideration for ranking by ICAR are a) Teaching Resources & Outcome (30% weightage); b) Research (30% weightage); c) Extension and Outreach (30% weightage), and d) Peer Recognition (10% weightage).

**b) Ranking by National Institutional Ranking Framework (NIRF)**

ANGRAU had also participated in the NIRF considered for ranking of Indian Universities from 2017 onwards. In the year 2017, the University did not get the rank below 200. However, in 2018, the rank obtained was between 151-200. In the year 2019, it was further improved and placed between 100-150 ranks. During 2020, ANGRAU ranked beyond 200.

### 6.6.3. RESEARCH SUPPORT

**6.6.3.1. Research Council:** (*Mention the present composition of the research council and provide the dates of meetings in last five years in tabular form*?)

The Research and Extension Advisory Council (REAC) is headed by the Vice-Chancellor as Chairperson and the Director of Experimental Stations as Convener and Secretary. The members of REAC include the member of Board of Management (BoM), ANGRAU; Commissioner & Director of Agriculture, Govt. of AP; Managing Director, APSSDC; Director, APSSCA; University Officers; Associate Deans of Colleges; Associate Directors of Research (ADRs) of six Agro-climatic zones; Principal Scientists of Crops/Disciplines, University Heads of Departments (UHoDs); three each from Innovative Farmers' Network; Agribusiness Consortium; representatives from KVKs (operated by NGOs); Special invitees representing the different regions of the State; and two Eminent Scientists of Agriculture, who review the research and extension activities of the University in the State.

The REAC acts as the principal decision making body for the research and extension (R&E) activities of the University. The Zonal Research and Extension Advisory Councils (ZREACs) will provide the information on location specific research and extension priorities identified in coordination with Dept. of Agriculture.

**Table 7. Details of Research and Extension Advisory Council (REAC) Meetings held during the Last Five Years**

| S. No. | Details of REAC Meeting | Date | Venue |
|---|---|---|---|
| 1 | 50th REAC meeting | January 20-21, 2021 | RARS, Tirupati |
| 2 | 49th REAC meeting | December 18-19, 2019 | RARS, Lam, Guntur |
| 3 | 48th REAC meeting | December 19-20, 2018 | RARS, Tirupati |
| 4 | 47th REAC meeting | December 21-22, 2017 | RARS, Lam, Guntur |
| 5 | 46th REAC meeting | December 4-5, 2016 | RARS, Nandyal |
| 6 | 45th REAC meeting | January 20, 2016 | RARS, Tirupati |
| 7 | 44th REAC meeting | March 4, 2015 | RARS, Maruteru |

**6.6.3.2. Directorate of Research (***Give brief information about the present establishment of the Directorate of Research, staff pattern, research coordination mechanism, research and seed production centres and contribution in academic programmes*)

The research in the ANGRAU is mainly concentrated on location specific problems, for the convenience of which, the State has been divided into six agro-climatic zones, viz. 1) Krishna Zone, 2) Godavari Zone, 3) North Coastal Zone, 4) Southern Zone, 5) Scarce Rainfall Zone, and 6) High Altitude & Tribal Zone with the Zonal Head Quarters located at Guntur, Maruteru, Anakapalle, Tirupati, Nandyal and Chintapalli respectively. The Directorate of Research, Head Quartered at Guntur is headed by Director of Experimental Stations, who is assisted by one Associate Director of Research (ADR-HQ) at Head Quarters, Guntur and six zonal ADRs, Principal Scientists (Crops/Subjects), Senior Scientists, Scientists and Technical staff working in all six regional research stations with a network of 32 agricultural research stations spread over the State of Andhra Pradesh.

The Director of Experimental Stations is assisted in the administration by one each of Additional Director of Research and Assistant Director of Research. In addition, a Nodal Officer

(Seeds) and Principal Scientist (Seeds) also work under the guidance of Director of Experimental Stations. The Organogram of research in the ANGRAU is presented hereunder.

Research Coordination Mechanism:

The Scientists working at Research Stations will submit the tentative research proposals along with the work done report of the previous years' research to the respective Zonal Associate Directors of Research (ADRs) through the Head of Research Station. The ADR at zonal level discusses in detail about the research proposals discipline-wise/crop wise in the Pre-Zonal Research and Extension Advisory Council (ZREAC) meetings, which will later be thoroughly discussed in the State Level Technical Programme (SLTP) meetings in the presence of Director of Experimental Stations and University Head of the Departments concerned to finalize the research/technical programmes to be carried out in the ensuing year. The problems raised by the Officers of the Department of Agriculture in the regular T&V meetings and by the farmers and officials of line departments in ZREAC meetings form the basis for new research proposals.

The research progress of each of the Scientists will be monitored by the respective ADRs. The Directorate of Experimental Stations will also review the progress experiment-wise critically based on the monthly research progress submitted by Scientists in the "Agricultural Research Management Systems (ARMS)". Suggestions will be given from time to time for overall improvement of the research programmes. The monthly reports submitted by the scientists will enable the Directorate to assess the progress of research, avoid redundancies in research in similar lines from different research stations. The PG research from different colleges will also be evaluated and approved during the State Level Technical Program meetings by the University Head based on the consent of Director of Experimental Research Stations. The University Heads

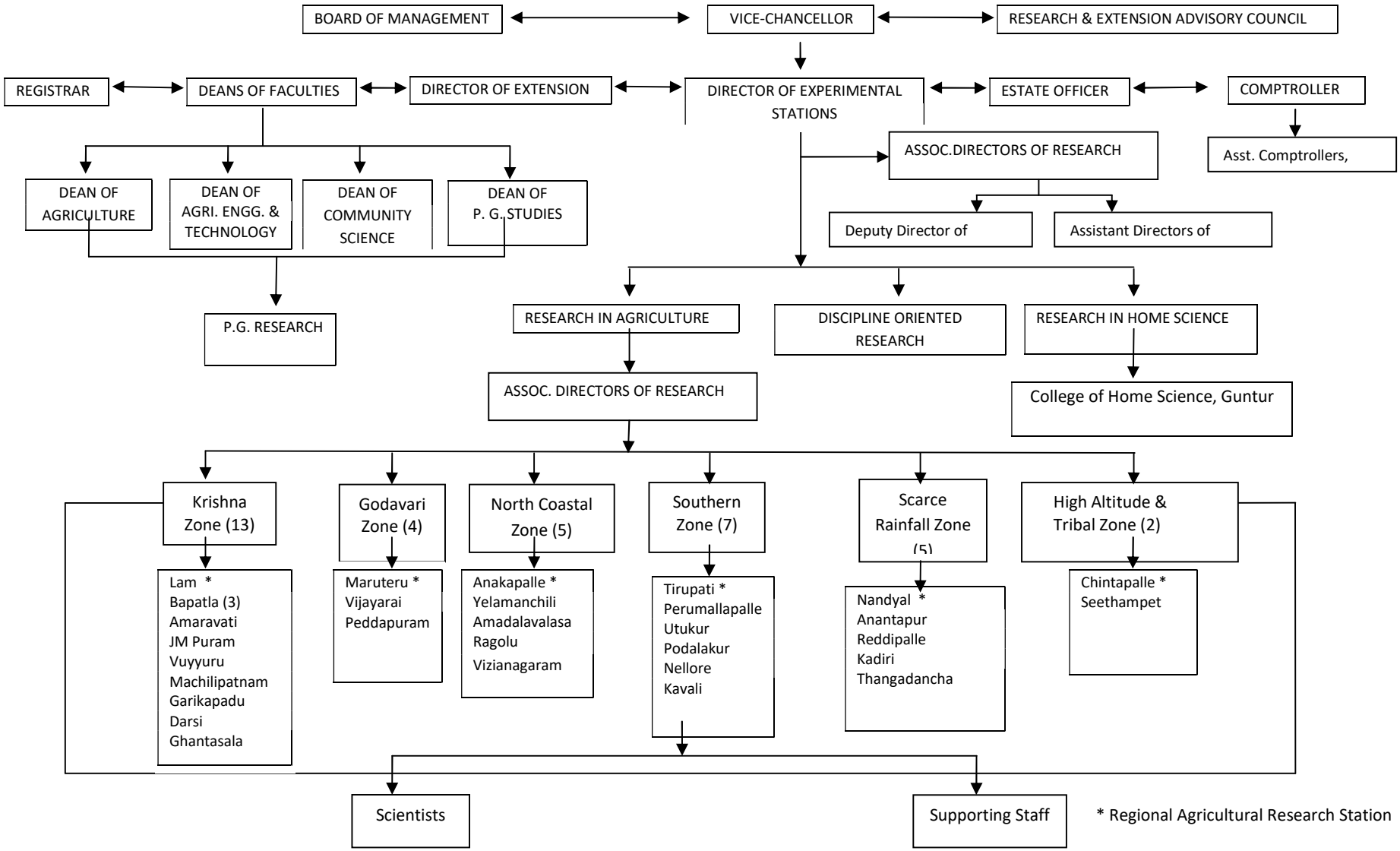



**Fig 12. Organogram of Research in the ANGRAU**




**Fig 13. State Level Technical Programme Meeting at Lam, Guntur on May 23-24, 2018**



**Fig 14. Monitoring of Post Graduate student research fields by**
**Dr. D. Balaguravaiah, Dean, PG Studies**

of different disciplines will be visiting and monitoring each of the experiments being carried out by the scientists and offer comments/suggestions for improvement besides assessing whether the experiments are executed based on the modus operandi submitted and got approved during the SLTP meetings.

The research components of the scientists in the Zones comprise both of plan (ICAR projects) and non-plan (proposed and funded by ANGRAU). The ongoing All India coordinated research projects (AICRP) in ANGRAU include a) sugarcane, Processing, handling and storage of jaggery and khandasari; Biological control (Anakapalle); b) Small millets; Integrated Farming Systems-sub centre (Vizianagaram); c) Jute and allied fibres (Amadalavalasa); d) Rice; Integrated Farming Systems-main centre; Vertebrate Pest Management (Maruteru); e) Honey bees & pollinators (Vijayarai); f) Maize (Peddapuram); g) Pulses-MULLaRP; cotton-main centre; pigeonpea; weed management voluntary centre (Lam, Guntur); h) Management of salt affected soils and use of saline water; Post harvest technology; Farm implements and machinery (Bapatla); i) AINP on Soil biodiversity and biofertilizers (Amaravati); j) MULLaRP sub centre (Ghantasala); k) Dryland agriculture-voluntary centre (Darsi); l) Groundnut-sub centre; forage crops-voluntary centre; sesame (Tirupati); m) rice-sub centre (Nellore); m) cotton-sub centre; improvement of small millets-subcentre; tobacco; oilseeds (sunflower-sub centre); chickpea; sorghum (Nandyal); n) Agro-meteorology; pearl millet improvement project; dryland agriculture; castor (Ananthapuramu); Oilseeds (Groundnut-main centre -Kadiri); o) Niger (Chintapalle).

The University intensified seed production programmes at various research centres with the objective of achieving 100 per cent seed replacement rate in major crops of the state. Breeder seed and Foundation Seed of various crops are being produced at different research stations on

top priority, including the colleges and KVKs based on land availability besides taking up, in KVKs etc. and on outsourcing basis in farmers' fields (Foundation seed) under the supervision of Plant Breeders working in respective centres.

The research scientists working in different research stations also act as Chairman/Member of the Student Advisory Committee (SAC) and guide the PG/Ph.D. Students in their research programme. The laboratory and farm facilities, including the farm equipment available at research stations are being utilized by the research students with prior permission from the concerned in-charges.



MTU 1001 (Vijetha)



MTU 1010 (Cotton Dora Sannalu)



MTU 7029 (Swarna)



MTU 1121 (Sri Druthi)

**Fig 15. Mega Varieties of Rice developed by ANGRAU**

**6.6.3.3. Technology Developed and its Adoption (**Provide the list of approved technologies developed in last five years along with their adoption and coverage in the jurisdiction of the University)

Several technologies were developed in different research institutes of ANGRAU that gained wide popularity with high adoption rate. The following are the details of the approved technologies in ANGRAU along with their adoption particulars.

**Table 8. Details of ANGRAU Technologies Developed and Adoption During last Five Years**

| S. No. | Technology Developed | Adoption details | Developed at |
|---|---|---|---|
| 1. | Varieties / Hybrids Released | | |
| | Rice | MTU 1153 c in 33726 ha, MTU 1121 in 786303ha, MTU 1140 in 785 ha, MTU 1156 in 201939 ha , MTU 1190 in 500 ha, MTU 1172 in 531ha, MTU 1239 in 2172 ha and MTU 1223 in 415 ha are under cultivation in Andhra Pradesh. | RARS, Maruteru |
| | | NDLR 7 replaced BPT 5204 in an area of 80,000 -90,000 acres in SRZ due to its good grain quality | RARS, Nandyal |
| | | BPT 2595, BPT 2411, BPT 2295 and BPT 2782 cultivated in more than one lakh acres area in Andhra Pradesh. | ARS, Bapatla |
| | | MCM 100 cultivated in more than 210,000 acres area in Andhra Pradesh | ARS, Machilipatnam |
| | | NLR 3354 occupied an area of 30000ha in Nellore and Chittoor districts of Andhra Pradesh during early kharif 2020. It was cultivated in an area of 20000 ha in Telngana, Tamilnadu and Karnataka states of India. | ARS, Nellore |
| | | NLR40054 resistant to GM biotype 1 | |
| | | NLR 4001 suitable for *kharif*, early *kharif* and early *rabi* seasons. | |
| | | Biofortified rice, NLR 3238 | |
| | Sugarcane | 2000A 225 (Revathi); 2003A 255 (Simhadri); 2005A 128 (Sri Mukhi); 2009A 107 (Vasista); 2009A 252 | RARS, Anakapalle |

| | | | |
|---|---|---|---|
| | | (Naveen) | |
| | | Swarnamukhi and Clone 2005T16 (CoT10367) | ARS, Perumallapalli |
| | | 2009V 127 (Co V 15-356) - Ranga | ARS, Vuyyur |
| | Groundnut | TCGS 1073 as an alternate to Kadiri 6 cultivated in an estimated area of 18000ha | RARS, Tirupati |
| | | Kadiri 6 & Kadiri 7 cultivated in 50 per cent of groundnut area in India and shared 50% of groundnut exports | ARS, Kadiri |
| | Millets | PPR 1012 –Finger millet variety cultivated in 200 ha in Rayalaseema districts | ARS, Perumallapalle |
| | | CFMV 1 – Finger millet cultivated in Andhra Pradesh, Tamil Nadu, Odisha, Karnataka and Pondicherry states | ARS, Vizianagaram |
| | | VR 929 – Finger millet cultivated in Andhra Pradesh, Maharashtra, Odisha, Jharkhand, Karnataka, Gujarat, Tamil Nadu and Pondicherry | |
| | | Suvarnamukhi – Finger millet cultivated in Andhra Pradesh | |
| | | PR – 10-45 – Finger millet cultivated in rainfed upland areas of Andhra Pradsh | ARS, Peddapuram |
| | | ABV 04 – Pearl millet variety<br>AROHG – 11 – Horsegram Variety | ARS, Rekulakunta |
| | | Renadu and Garuda – Foxtail millet varieties | RARS, Nandyal |
| | Pulses | N BeG 119 – Bengalgram – Released for Southzone of India | |
| | | N BeG 47 – Bengalgram suitable for mechanical harvesting | RARS, Nandyal |
| | | N BeG 49, N BeG 452 and N BeG 810 | |
| | | GBG1 Blackgram variety | ARS, Ghantasala |
| | | TRG 59 – Redgram variety suitable for sole cropping and intercropping systems | RARS, Tirupati |
| | | TBG 104 – Black gram Variety | |
| | Mesta | AMV 8 and AMV 9 – Cultivated in Andhra Pradesh, Odisha, Maharashtra, West Bengal, Bihar and North Eastern states | ARS, Amadalavalasa |
| | Sunflower | NDSH 1012 for commercial cultivation in Andhra Pradesh | RARS, Nandyal |

| | | | |
|---|---|---|---|
| | Cotton | Aravinda, Srinandi, Yaganti, Narasimha, Sivanandi and Srirama | RARS, Nandyal |
| | Sorghum | NTJ 5 (White) in 15000 ha and N – 15 in 10000 ha area is cultivated in Andhra Pradesh | RARS, Nandyal |
| 2. | Process protocol for the preparation of Organic jaggery. | The technology of organic jaggery making was transferred to the farmers and entrepreneurs of Andhra Pradesh.<br>1.M/s Haritha Co-operative Society,S.Kota, Vizianagaram;<br>2.Sahaja Aaharam, S.Kota, Vizianagaram;<br>3.Mr. Rama Chandra Raju, Tuni, East Godavari(dist):<br>4.Mr.VisweswaraRao, Zeeraythi Kumaram, S. Kota mandal, Vizianagram district. | RARS, Anakapalle |
| 3. | Process technology for the preparation of Granular Jaggery.<br>Patent was filed vide Ref. No. 729/CHE/2004 dated 26-07-2004. | Making jaggery in the form of Granules, the farmer would get an additional income around Rs. 300/- per quintal of jaggery. The process technology of Granular jaggery making was transferred to<br>1. M/s Vowel Technologies, Maharashtra- 416312.<br>2. M/s Chakravarthy Agro Foods Pvt Ltd., ,Tirupati.<br>3. M/s KVL Bio Products P. Ltd, Secunderabad 500 026.<br>4. M/s Jayalakshmi Agro Industries, Rajam village, Butchayyapetamandal,Visakha district.<br>5. M/S Subham foods, Podugupalem, K. Kotapadu, Visakhapatnam dt. | RARS, Anakapalle |
| 4. | Designed and developed a Mechanized Jaggery Granulator and applied for patent vide Ref. No. 1265/CHE/2013 dated 22-03-2013. | Making jaggery in the form of Granules, the farmer would get an additional income around Rs. 300/- per quintal of jaggery. The process technology of Granular jaggery making was transferred to<br>1. M/s Vowel Technologies, Maharashtra- 416312.<br>2. M/s Chakravarthy Agro Foods Pvt Ltd., ,Tirupati. | |

| | | | |
|---|---|---|---|
| | | 3 M/s KVL Bio Products P. Ltd, Secunderabad 500 026.<br>4. M/s Jayalakshmi Agro Industries, Rajam village, Butchayyapeta mandal,Visakha district.<br>5. M/S Subham foods, Podugupalem, K. Kotapadu, Visakhapatnam dt. | |
| 5. | Satellite based Rice Monitoring system for Andhra Pradesh | Rice crop sown area, rice yields and crop damage due to natural calamities were assessed | Geospatial Spatial Technology Centre, Lam |
| 6. | IPM in groundnut | Adopted by 60% to 70 % of groundnut farmers in Chittoor district | RARS, Chittoor |
| 7. | Forewarn models for thrips and leafhoppers in groundnut | To take up preventive sprays | RARS, Chittoor |
| 8. | Ratooning of redgram | - | ARS, Reddipalli |
| 9. | Chickpea mechanization | Approved by the Cimmissioner of Agriculture of Telangana and Andhra Pradesh as a package (Mini tractor and its matching implements) under state subsidy scheme on Farm mechanization | RARS, Nandyal |
| 10. | Chickpea- Weather based prediction model for beer armyworm (*Spodoptera exigua* Hubner) | - | |
| 11. | Liquid biofertilizers formulations technology | Production and supply of liquid biofertilizers of Rhizobium, Azospirillum, Azotobactor and PSB, KRB to farmers to enhance their efficacy | ARS, Amaravathi |
| 12. | Reclamation of problematic soils | Five ha abandoned aqua ponds were reclaimed using the technology in coastal area of Andhra Pradesh | SWS, Bapatla |
| 13. | Surface and Sub-surface drainage technologies for reclamation of saline water logged soils in coastal area | Being adopted by farmers in coastal areas of Andhra Pradesh | |
| 14. | Shadenet for vegetable cultivation with saline water | Practiced by many farmers in Guntur and PRakasam districts ofAndhr Pradesh | |
| 15. | Other Technologies popular at farmers level | | |
| | Atrazine @ 0.6 kg/ha PE fb chlorimuron ethyl + metsulfuron methyl @ 0.0015 kg/ha POE for control of broad spectrum of weeds in fox tail millet | | |
| | Pendimethalin and pendimethalin+ imazethapyr as PE herbicides and imazethapyr as POE herbicide for weed control in horsegram | | |

| | |
|---|---|
| | Atrazine @ 1.0 kg/ha + paraquat @ 0.6 kg/ha PE fb topramezone @ 25 g/ha (or) tembotrione @ 100 g /ha as POE for weed management in rice fallow maize under zero tillage for effective broad spectrum weed management in rice fallow maize under zero tillage |
| | Atrazine @ 0.60 kg/ha PoE and metribuzin @ 0.30 kg/ha PoE effective against Panicum species in sorghum |
| | Drying of combine harvested high moisture paddy to a safe storage moisture content of 11-12% (w.b.) |
| | Accelerated ageing of paddy utilizing hydrothermal treatment |
| | On-Farm Drying: To dry freshly harvested high moisture paddy to safe moisture content<br>Aeration of grains: To aerate safe moisture paddy with low air flow rates to eliminate temperature and moisture differences in grain mass |
| | Curing/cooking of fresh turmeric rhizomes using steam |
| | December- March: Drying of ripened chillies from moisture content 80% to 10% (w.b.)<br>April-June: Production of coriander using shade-net July-September: Raising of chilli nursery |
| | Reduces the drudgery involved in the compaction-cum-bagging of the dried chillies and to improve productivity |
| | Dehusking of minor millets (foxtail millet, proso millet, barnyard millet, little millet and finger millet) |
| | Keeping sand layer of 3 cm over pulses grain such as red gram, black gram and green gram while filling the inter grain spaces prevented bruchid infestation successfully when stored in plastic bins (50 l capacity). With slight modification of these plastic bins by providing aeration through small holes at bottom level and secured with nylon net, pulses seed could be stored for more than one year without any bruchid damage and deleterious effect on germination even after one year. A layer of sand is also to be kept at the bottom so as to cover the holes on which about 45 kg of pulses seed can be placed. Large sized earthen pots and mud plastered bamboo baskets can also be used with this technique for seed storage of pulses. |




**Fig 16. National level release of fortified Finger Millet variety, CFMV-1 developed at ARS, Vizianagaram, by Sri Narendra Modi, Hon'ble Prime Minister on October 16, 2020.**

**6.6.3.4. Research Publications:** (*Provide the list of research articles (NAAS ranking 5.00 or more) published in National and International Journals (only based on the work conducted in the University)*

The following is the list of publications from ANGRAU during the periods from 2015 to 2020.

**Table 9. Year Wise Research Publications from ANGRAU for the Periods from 2015 to 2020.**

| S. No. | Year | Number of Publications |
|---|---|---|
| 1 | 2015 | 68 |
| 2 | 2016 | 92 |
| 3 | 2017 | 165 |
| 4 | 2018 | 357 |
| 5 | 2019 | 184 |
| 6 | 2020 | 224 |
| Total | | 1090 |

The details of the publications along with the NAAS of journals are provided in the Annexure.

**6.6.3.5. Innovations and Best Practices (***What are the innovative efforts of the University that help in its excellence in research*)

Innovations in agricultural research assume significance in the wake of concerns such as food insecurity and food safety issues that pose as Achilles' heels to global agriculture. For ANGRAU to meet the global standards in imparting quality education, contribute to food security and in effective translation of research technologies to farm adoption, etc, innovations that contribute to research are imperative from time to time. In this direction, ANGRAU has been making rapid strides with several innovations that contribute to generation of new technologies.

Besides devising and adopting innovative measures in meeting the research mandates, equally important is the management and development of human resources (faculty) that are adept in the adopted innovative research areas. Innovative efforts and the best management practices that are contributing to excellence of ANGRAU research include:

- Establishment of Institutes/Centres that facilitates agricultural research in all disciplines at a single point. The establishment of Institute of Frontier Technology at RARS, Tirupati is facilitating research on frontier areas like Nano Technology, Molecular Biology and Biotechnology, etc. Establishment of Central Instrumental Cell (CIC) is also a worthwhile contribution that facilitates multi-disciplinary research on a common platform.



**Fig 17. Biotechnology Laboratory of Institute of Frontier Technology (IFT), RARS, Tirupati**

- Adopting innovative research tools like Genome Editing/Gene Editing Technologies that help develop varieties with increased tolerance to biotic and abiotic stresses.
- Amalgamation of different disciplines and culminating to evolve multi-disciplinary management strategies for combating pest and disease problems is another innovation that is gaining momentum.

- Satellite based monitoring of agricultural research is another innovative tool and establishment of Geo Spatial Technology (GST) at RARS, Lam, Guntur is a milestone in ANGRAU's research. With the GST, the rice monitoring system for Andhra Pradesh is precise, with regular updates on crop condition. Further, damage assessment in the wake of extreme climate conditions for interventions by the Govt. institutions is feasible.
- A sustained practice that empowers farmers and contributes to overall up-liftment of socio-economic conditions of farmers is invaluable and so, innovative research and its adoption is a pre-requisite. ANGRAU, in this direction, is giving increasing emphasis on research on "Integrated Farming Systems".
- With the increasing threat to GHG emissions and its negative impact on agricultural production, ANGRAU is adopting climate resilience strategies that combat pests and diseases besides climate smart practices to boost crop production. Further, crop production and protection research is oriented towards being sustainable, economically viable and technically feasible. Emphasis is being given on low carbon technologies.
- Research on farm mechanization and UAV (Unmanned Aerial Vehicle) (drone technology) are emphasized to bring out cutting edge technologies that sizably contribute to crop production and productivity.
- ANGRAU has been playing a stellar role in production of quality biofertilizers and has a handful of Plant Growth Promoting Rhizobacteria. Quality biofertilizers are being supplied to farming community at nominal costs.
- Entrepreneurial activities of rural poor are also facilitated through research services on ANGRAU especially in training them on value addition.

- Trained faculty with different outlook and the faculty are identified based on their expertise and imparted trainings at National and International levels.

The major Innovative and Best practices that are adopted by Faculty of Community Science are provided below.

- Improvement in Nutrition and Health status of farm families through awareness generation programmes and nutritional interventions with special emphasis on vulnerable groups.
- Promotion of Farming Systems for Nutrition (FSN) in collaboration with M S Swaminathan Research Foundation to address the malnutrition.
- Nutri entrepreneurship is promoted by collaborative strategies of ANGRAU and SERP in enhancing the livelihood of small and marginal farmers through Andhra Pradesh Rural Inclusive Growth Project (APRIGP). The aspects covered under this initiative include nutria garden, backyard poultry, millet value addition and food and feeding demonstrations for pregnant and lactating women and children below two years of age.
- Improvement in knowledge and skills of field functionaries of ICDS programme of Dept. of Women Development and Child Welfare, Govt. of A.P.
- Technical support to Government feeding programmes of the Department of Education and Dept. of Women Development and Child Welfare.

  Mid day meal programme for school children;

  Supplementary Nutrition Programme for preschool children at Anganwadi centers;

  Anna Amrutha Hastham Programme for pregnant and lactating women;

  Take Home ration (THR) for pregnant and lactating women Menu for Welfare Hostels

- Transfer of technology for preparation of value added products with cereals, millets, fruits, vegetables, nuts, oil seeds, fish, poultry through KVKs and village adoption programme.
- Imparting skills in extraction of fibers from agricultural waste for making of handicrafts
- Development of innovative articles from loom waste and utilization of waste in a remunerative way
- Introduction of new designs in fabric structures, fabric embellishments, dyeing and printing, extraction of natural dyes
- Consumer education on rights and responsibilities of a consumer, wise purchasing practices, faulty weights and measures, detection of adulterants, misbranding and labeling, standardization marks, consumer legal provisions and consumer redressal system
- Education and importance of space planning, money management, energy management and conservation, environmental cleanliness
- Promotion of low cost energy saving and drudgery reducing techniques like hay basket, Janata fridge, solar dryer, smokeless chullah to conserve time, human energy and fuel energy
- Introduction of framing implements like improved sickle, harvesting bag, ring cutter for vegetables, maize sheller, water trolley, etc.
- Training in effective use of untapped resources, farm residues, flowers and dried plant materials, etc. to evolve value added products for generating income
- Training in Interior design techniques and decoration for interest in aesthetics in residential and commercial environment

- Designing safe products with emphasis on anthropometry and ergonomics
- Training in floriculture and value addition to plant material
- Awareness creation on importance of infant stimulation and developmental outcome to rural mothers for optimum development of infants
- Planning and implementation of parent education programme on identifying developmental milestones at an early age to prevent handicaps
- Enriching the preschool component of Anganwadi centers
- Guidance and counseling to parents and community to deal with behavioural problems and family conflicts
- Awareness generation on issues like female foeticide, exploitation of girl child, legal rights, dowry prohibition, child marriage and domestic violence to the rural community
- Training to rural adolescents on menstrual hygiene, gender equality, legal rights, health and sanitation issues through skits and group discussions, working in convergence with Dept. of Women Development and Child Welfare, Govt. of Andhra Pradesh.
- Equipping with knowledge and analytical thinking on policies, programmes and process for empowerment of women
- Capacity building in developing and delivering extension programmes

**6.6.3.6. IPR Cell/ITMU:** (*Whether the University is currently having functional Intellectual Property Right Cell in place. Mention the date of the meetings conducted by the Cell in last three years and what were the major recommendations. Is the University having Institute Technology Management in place? Mention the date of the meetings conducted by the Unit in last three years and what were the major contributions*)

Prior to bifurcation of State of Andhra Pradesh, the united ANGRAU has an exclusive 'IPR Cell' that frequently sensitized the faculty on Intellectual Property Rights (IPR) related

issues. This IPR Cell was located at ANGRAU headquarters, Rajendranagar, Hyderabad. The related information on IPR aspects such as a) Trade Related Intellectual Property Rights (TRIPS), b) Patents and eligibility/requirements of patent filing, c) Patent laws in India, d) Patent Co-operation Treaty (PCT), e) Total output of Indian Patents in Agriculture, and f) latest news on patents in agriculture at national and international level was shared by the Cell to the ANGRAU faculty from time to time.

Presently, in ANGRAU after relocating to Guntur, no separate IPR Cell or ITMU (Institute Technology Management Unit) was established to throw light on patent related information or technology management in ANGRAU. However, the faculty of Agricultural Engineering & Technology and the Directorate of Research helped the individual faculty to file for patenting of developed technologies such as a) Pneumatic Pressure Paddy Parboiling System, b) Process of manufacturing of cane jaggery in crystal form, c) Mechanized jaggery granulator for making jaggery granules, d) Mechanized system for preparing Pootharekulu-Paper Sweet & e) Polymer-pulley driven centrifugal pump, etc. by individual team of researchers with due approval from University authorities. Realizing the importance of agricultural research and innovations and their management besides of competitive abilities of developed technologies and those which are ready for commercialization and patenting, separate IPR and ITMU are yet to be established.

**6.6.3.7. Central Instrumentation Unit:** (*Is there a Central Instrumentation Unit in place? What are the facilities available in the Unit?)*

The "Central Instrumentation Unit/Cell" is available only at Agricultural College, Bapatla and at Agricultural College, Naira.

a) **Agricultural College, Bapatla**. This college has the state-of-the-art Central Instrumentation Unit/Central Instrumentation Cell (CIC) for the benefit of all faculty and

Postgraduate and Ph.D. students, developed with the special grants from NABARD. The CIC is a common facility, in addition to laboratories at departments, and have various specialized laboratories and facilities, which are available for use since 2019. The Central Instrumentation Cell is equipped with all state-of-the-art analytical equipments (57) useful for basic research in the fields of analytical chemistry, biotechnology, microbiology, testing laboratories, etc. The equipments include Liquid Chromatography, Gas Chromatography, Mass Spectroscopy, Atomic Absorption Spectroscopy, Real-time Polymerase Chain reaction, Electrophoresis, Soil and Leaf Analyzers, all kinds of sensitive and analytical balances, un-interrupted power supply, and many routine use instruments and equipments. The various laboratories in CIC are crop production, microscopy, molecular biology & biotechnology, tissue culture, plant protection, remote sensing & GIS, heating room etc.



**Fig 18. Agricultural College, Bapatla**

Central Instrumentation cell was initiated at the Agricultural College, Bapatla during 2018. The following are the details of CIC.

**Table 10. Particulars of CIC at Agricultural College, Bapatla**

| S. No. | Laboratory | Room Dimensions |
|---|---|---|
| 1 | Central Instrumentation Cell | |
| | In - charge room | 8.7 x 6.0 m |
| 2 | Crop Production Laboratory | |
| | Crop Production Laboratory | 14.5 x 8.5 m |
| | AAS laboratory | 4.7 x 2.8 m |
| | CHNS laboratory | 4.7 x 2.8 m |
| | Inductive coupled plasma emission Spectrophotometer | 4.7 x 2.8 m |
| 3 | Microscopy Laboratory | |
| | Sample preparation laboratory | 4.7 x 4.2 m |
| | Light microscopy laboratory | 4.7 x 4.2 m |
| | SEM laboratory | 4.6 x 4.1 m |
| | TEM laboratory | 4.6 x 4 m |
| 4 | Molecular Biology and Biotechnology Laboratory | 16.4 x 8.9 m |
| | Plant Growth Chamber Laboratory | 8.7 x 4.7 m |
| | Tissue Culture Laboratory | 4.1 x 2.2 m |
| 5 | Plant Protection Laboratory | 16.5 x 9.7 m |
| 6 | Remote Sensing & GIS Laboratory | 8.7 x 6.0 m |
| 7 | Common Facility | |
| | Wash area/Media preparation | 4.1 x 2.2 m |
| | Heat Generation room | 4.1 x 2.2 m |
| | Inoculation room | 4.1 x 2.2 m |
| 8 | Conference Hall | 12.5 x 8.9 m |
| 9 | Rest Rooms | |

| | | |
|---|---|---|
| | He | 4.5 X 4.5 m |
| | She | 4.5 X 4.5 m |
| 10 | Generator Room | 6.15 X 5.05 m |
| 11 | RO water Room | 7.0 x 5.5 m |

The list of equipment available at CIC, Bapatla is given here under.

**Table 11. Equipment available at CIC, Agricultural College, Bapatla**

| Name of the Lab | Name of the Equipment | No. | Speciality to conduct practical / hands- on training (lab-wise) |
|---|---|---|---|
| Crop Production Laboratory 1756 sq.ft | Portable Photo Synthetic Meter | 1 | To measure the photosynthesis rate and stomatal conductance |
| | Quantum Sensor With Data Logger | 1 | To mreasure luminance and irradiance |
| | Plant Canopy Analyzer | 1 | For measuring Photosynthetically active radiation (PAR) |
| | Leaf area meter | 1 | Fast and accurate measurement of leaf area |
| | Plant Stress Meter/ Chlorophyll Fluorometer | 1 | Measurement of nutrient stress in plants and chlorophyll fluorosence emissions from the sample |
| | Flame Photometer | 1 | For estimating K, and Na content of the sample |
| | Kjeltron Automatic N Estimation system | 1 | For estimating N content of the sample |
| | NIR Grain Analyzer | 1 | Moisture, protein and oil content in grains |
| | Line Quantum Sensor | 1 | For estimating Photosynthetically active radiation (PAR) |

| | | | |
|---|---|---|---|
| | Digital pH meters | 8 | For estimation of PH |
| | Digital balances | 5 | For weighing samples |
| | Water Potential Meter/ Dew point potential meter | 1 | For measuring water potential |
| | Pyranometer | 1 | To find out solar irradiance ($W/m^2$) |
| | Hot plates | 4 | For digestion of the samples |
| | Double Distillation Apparatus | 2 | For producing distilled water for AAS |
| | Digital conductivity Meters | 4 | For estimating EC |
| | Fume hood | 2 | For digestion of the samples |
| | Atomic Absorption Spectrophotometer | 1 | To determine the micronutrient composition of plant / soil samples. |
| | Inductive coupled plasma emission spectrophotometer | 1 | Used for detection of chemical elements |
| Tissue culture lab 900 sq.ft. | | | |
| Plant Protection Laboratory 1722 sq.ft. | | | |
| Remote Sensing & GIS Lab 562 sq.ft. | | | |
| Microscopy 309 sq.ft. | Trinocular Stereo Microscope with Camera | 2 | To take observations of small insects, micrometry along with measurements for microphotography |

| | | | |
|---|---|---|---|
| Molecular Biology and Biotech-nology 1571 sq.ft. | Trinocular Stereo Microscope with Camera | 2 | To take observations of small insects, micrometry along with measurements for microphotography |
| | Tissue lyser | 1 | Grinding of leaf sample |
| | Thermal cycler PCR | 4 | Carrying out polymerase chain reaction |
| | DNA cross linker | 1 | Crosslinking of DNA |
| | Hot air oven | 3 | Dry heat sterilization |
| | Electroporator | 1 | DNA transformation |
| | Thermomixer | 1 | Mixing of samples in closed tubes for preparing and processing of samples. |
| | 2D electrophoresis | 1 | Proteomics studies |
| | Magnetic stirrer | 2 | Stirring of chemicals |
| | Top loading balance | 5 | Weighing of samples |
| | Laboratory trollies | 6 | Carrying /handling of large number of samples in the laboratory |
| | $-80^{0}$C freezer | 2 | Preservation of test samples/chemicals |
| | Refrigerated | 2 | Incubation of the sample below ambient |
| | Incubator cum shaker | | Temperature with shaking facility |
| | UV Torch | 1 | Observation of invisible samples and elimination of germs on the surface |
| | Micropippetts | 7 | Handling of liquids /samples for conducting experiments |
| | Elisa reader with microplate washer | 2 | Measument and interpretation of ELISA test |
| | UVVIS Spectrophotometer | 1 | Quantitative determination of different analytes in the test samples |

| | | | |
|---|---|---|---|
| | Gel rocker | 1 | Two dimensional shaking platform for gels |
| | -20°C freezer | 2 | Preservation of samples and chemicals |
| | Nano analyser | 1 | Quantification of DNA and RNA |
| | Vortex shaker | 2 | Mixing of liquid sample vials |



**Fig 19. Central Instrumentation Cell, Agricultural College, Bapatla**



**Fig 20. Students Utilizing CIC Facilities for Research Work**

**b) Agricultural College, Naira**

Central Instrumentation cell was established at the Agricultural College, Naira during 2018-19 with sophisticated equipment to cater the needs of U.G. and P.G. students as well. The following are the details of CIC at Agricultural College, Naira.

**Table 12. Equipment/facilities available at Central Instrumentation Cell, Agricultural College, Naira**

| S. No. | List of equipment /lab facilities | Qty |
|---|---|---|
| 1 | Refrigerated incubator cum shaker | 1 |
| 2 | Thermal Cycler | 1 |
| 3 | ELISA reader and Microplate washer | 1 |
| 4 | Rotary vacccum Evaporator | 1 |
| 5 | Minus 20 Deep Freezer | 1 |
| 6 | Vortex Mixture | 2 |
| 7 | Micropipettes | 7 |
| 8 | Trinocular Microscope-Stereozoom | 1 |
| 9 | BOD incubator | 2 |
| 10 | Double distillation apparatus | 1 |
| 11 | Flame photometer | 1 |
| 12 | pH meter | 1 |
| 13 | Digital electronic balance-internal | 1 |
| 14 | Leaf image analysis system | 1 |
| 15 | EC meter | 4 |
| 16 | Hot Air Oven | 1 |
| 17 | Fume Hood | 1 |
| 18 | Top loading balance | 1 |
| 19 | Single distillation unit | 1 |
| 20 | Autoclave vertical | 1 |
| 21 | Tissue culture racks | 3 |

**6.6.3.8. Global Support: (***Global support may assist Universities to organize and undertake activities outside of the Regions by providing a centralized location for administrative resources and a single point of contact for addressing related questions. Does the University maintain functional experts in a range of administrative areas to provide technical advice and guidance in the areas of exchange programmes, visa related issues, International MoUs, collaborative research?*)

Acharya N. G. Ranga Agricultural University enjoys the collaborative arrangements for promoting agricultural research with various international organizations and Universities. Bilateral cooperation between international organizations and ANGRAU is facilitated with Directorate of International Programmes, under the control of Directorate of Experimental Stations, Administrative Office, Lam, Guntur. The Directorate of International Programmes coordinates the visits of Foreign Delegation to the University Faculty and students are immensely benefitted with the collaborative research based on the modalities worked out in letter and spirit in the MoUs formulated for this specific purpose.

Based on the existing MoUs with international institutes located within and outside the country, ANGRAU has been able to pursue collaborative research. Faculty is regularly being sent for training to gain hands on experiences in various research activities (as for example to International Rice Research Institute, Manila, Philippines, etc). The Directorate of International programmes is also encouraging the faculty and students to present their research on international platforms by providing financial support either fully or partially. The CGIAR (Consultative Group on International Agricultural Research) is another international potential collaborative partner for pursuing faculty as well as students' academic research at PG and Doctoral level.

Foreign aided projects will be enrouted through Directorate of International Programmes under the supervision of Directorate of Experimental Stations for their merit in achieving the research mandates of ANGRAU before getting approved by the ANGRAU to execute. Several CGIAR institutes like IRRI, ICRISAT and CIMMYT are executing their research in various research stations of ANGRAU on their mandate crops for their multi-locational trials in Asian Countries.

ANGRAU is facilitating foreign students for pursuing their academic degrees and the point of contact for admission process, hostel facilities and visa related queries are being clarified by the Directorate of International Programme.

Student exchange programmes, twinning programmes to Undergraduates, international studies for Masters' and Doctoral programmes, Post-Doctoral Positions for regular faculty are being pursued keenly by the Directorate of International Programmes. Functional expertise by this Directorate is facilitating the students to pursue international exchange programmes, twinning programmes that were a part of World Bank's funded "Institutional Development Plan of ANGRAU", being executed in ANGRAU under NAHEP of ICAR. Undergraduate students from selected constituent colleges of ANGRAU were earlier sent to international universities in the USA for a brief period to gain international exposure, that being one of the IDP mandates.

ANGRAU has MoUs with several international institutes and Universities that promote the integrity of research and to meet common mandates. The details of active international collaborations, MoUs with various institutes and Universities are provided in the section 6.6.9.5.



**Fig 21. Visit of Professor (Dr). K. Vijaya Gopal, Plant and Soil Sciences, Oklahoma State University (OSU) for signing MoU for ANGRAU students'visit under IDP to OSU**

### 6.6.4. EXTENSION SUPPORT

**6.6.4.1. Extension Council:** (*Mention the present composition of the Extension Council and provide the dates of meetings in last five years in tabular form?*)

In ANGRAU, separate Research Council (RC) and Extension Council (EC) doesn't exist. The research and extension activities together are guided by an apex body, the Research and Extension Advisory Council (REAC) to make recommendations on University's research and extension programmes. The Research and Extension Advisory Council (REAC) is headed by the Vice-Chancellor as Chairperson and the Director of Experimental Stations as Convener and Secretary. The members of REAC include the members of Board of Management (BoM), ANGRAU; Commissioner & Director of Agriculture, Govt. of AP; Managing Director, APSSDC; Director, APSSCA; University Officers; Associate Deans of Colleges; Associate Directors of Research (ADRs) of six Agro-climatic zones; Principal Scientists of Crops/Disciplines, University Heads of Departments (UHoDs); three each from Innovative Farmers' Network; Agribusiness Consortium; representatives from KVKs (operated by NGOs); Special invitees representing the

different regions of the State; and two Eminent Scientists of Agriculture, who review the research and extension activities of the University in the State.

The REAC acts as the principal decision making body for the research and extension (R&E) activities of the University. The Zonal Research and Extension Advisory Councils (ZREACs) will provide the information on location specific research and extension priorities identified in coordination with Dept. of Agriculture. The details of Research and Extension Advisory Council (REAC) meetings held during the last five years are given at 6.6.3.1.



**Fig 22. Dr. A. Vishnuvardhan Reddy, Hon'ble Vice Chancellor, ANGRAU addressing 50th REAC held on 20-21 January 2021 at Tirupati**

**6.6.4.2. Directorate of Extension Education (***Give brief information about the present establishment of the Directorate of extension education, staff pattern, KVK and other off-campus extension programmes, extension coordination mechanism, extension technology dissemination system and contribution in academic programmes*)

The research results are being disseminated through the wide spread extension units of the University comprising of 13 District Agricultural Advisory and Transfer of Technology Centres (DAATTCs) and 13 Krishi Vigyan Kendras (KVKs) and one each of Agricultural Information and Communication Centre (AI&CC), Electronic Wing (EW) and Farmers Call Centre.

All the extension activities of the University are planned and implemented under the guidance of Director of Extension, who is assisted by two Technical Officers.

**a) Krishi Vigyan Kendras (KVKs) – Farm Science Centres:**

Krishi Vigyan Kendra (Farm Science Centre) is an innovative institution of ICAR established at district level. The scientific staff working at KVKs includes Subject Matter Specialists of Crop Production, Plant Protection, Extension, Fisheries, Horticulture, and Community Science, who are all headed by a senior level faculty as Programme Coordinator.

KVKs are creating awareness about improved agricultural technologies through large number of extension programmes being taken up at various levels. Critical and quality inputs like seeds, planting materials, organic products, bio-fertilizers and livestock, piglet and poultry strains are produced by the KVKs and are made available to the farmers. Agricultural Knowledge and Resource Centres are set up at KVKs to support the initiatives of public, private and voluntary sectors at district level.

The ICAR schemes implemented through Krishi Vigyan Kendras in ANGRAU include Cluster Frontline Demonstrations (CFLDs) on pulses under National Food Security Mission

(NFSM) and CFLDS on oilseeds under National Mission on Oilseeds and Oil palm (NMOOP), National Innovations in Climate Resilient Agriculture (NICRA), Tribal Sub Plan (TSP), Seed-Hub for Pulses, Attracting and Retaining Youth in Agriculture (ARYA) and Skill Development Courses.

**b) District Agricultural Advisory and Transfer of Technology Centres (DAATTCs):**

The District Agricultural Advisory & Transfer of Technology Centres (DAATTCs – *Eruvaka Kendras*) located in the Agricultural Market Committees at District Head Quarters were housed at the Krishi Vigyan Kedras premises during 2017 for effective functioning of Transfer of Technology (ToT) activities, utilization of manpower and to have synergy between the two extension units to serve the farmers in effective manner. Presently, each DAATT Centre has three scientists having specialization in Crop production, Crop protection, and Transfer of Technology (ToT), headed by the Coordinator.

**c) Agricultural Information and Communication Centre (AI&CC):**

The Agricultural Information and Communication Centre (AI&CC) is an extension unit working at head quarters of ANGRAU, Guntur and supports the university in dissemination of farm information. The mandate of AI&CC is a) Printing and sale of ANGRAU publications, b) Arranging Exhibitions at national and state level as forums, and c) Establishment and Maintenance of Information Centre of the University at Head Quarters.

**d) Farmers Call Center:**

First and foremost in the history of Indian Agriculture "Farmers Call Centre" was initiated with an innovative idea of transferring novel scientific technology in Agriculture to the farming community. It is accessible to the farmers of Andhra Pradesh on toll free number 1800 425 0430, connected to all villages. The queries from the farmers along with answers by experts

are also being published in Vyavasayam, Padipantalu and other monthly magazines. So far, 20,085 number of queries has been answered during last five years.

**e) Funding to Extension Units**

The farmers of the state are also being served by the ANGRAU extension units using the externally funded projects viz., RKVY, ATMA, Bio Tech Kisan Hub and NABARD funded programmes. The University has entered MoU with Society for Elimination of Rural poverty (SERP) for implementing the project entitled "Collaborative Strategies of ANGRAU & SERP in enhancing the Livelihoods of Small and Marginal farmers and Nutri & Hygiene entrepreneurship promotion in Andhra Pradesh" The project is being implemented in all 13 districts of Andhra Pradesh through KVKs of ANGRAU. Under this, Trainer's training programme was given on Millet Products and Processing, Nutri-Garden, Backyard Poultry, Food & feeding demonstrations for pregnant & lactating women and children below two years and Value addition to fruits and vegetables. The Home Scientists of KVKs are successful in implementing this project by giving training programmes in their respective KVKs. Around 3780 beneficiaries were trained at district and mandal level through 135 training programmes.

**f) Other Extension Activities:**

- ***Kisan melas***

Acharya N. G. Ranga Agricultural University has been organizing *Kisan melas* through its centers to intensify extension services of the University and to create awareness and educate farmers about latest farming technologies and recent developments in agriculture and allied fields.

Kisan Melas are organized every year by University research stations (RARSs, ARSs), Colleges, KVKs, involving several farmers, farm women and youth apart from scientists,

extension personnel, state line departments, representatives of Government and other development agencies.

- **Innovative Extension Methods**

Innovative extension methods viz., "Flag method, Developing farmer master trainers, Innovative farmers networking, Farm science clubs, tribal youth networking, Reach Every Panchayat, *Kala Jatha*, Pocket cards, Annapurna Krishi Prasara Seva – an Alternative ICT Model, Farm Radio, and mobile apps developed by ANGRAU namely Agri, Krishi Vigyan, Eruvaka, Mana Verusanaga, Vyavasaya Vathavarana Suchanalu, Agritech Hub, and ANGRAU Pasu Poshan, Fertilizer Calculator, ANGRAU Sugarcane Cultivation are available for technical information dissemination.

- **Publications**

Farmer's Almanac (*Vyavasaya Panchangam*), published every year and released on Telugu New Year Day (*Ugadi*) by the Hon'ble Chief Minister of the State, is a prestigious publication of the University and is popular among the farming community. Besides, Vyavasayam - monthly agricultural magazine, The Journal of Research ANGRAU, ANGRAU e-Newsletter and Crop Diagnostic Bulletins are the other important publications of ANGRAU.

- Presently, Crop Diagnostic bulletins are recently released in Rice, Maize, Blackgram+Greengram, Redgram, Groundnut, Cotton, Sugarcane, and Minor Millets.
- Vyavasayam-Monthly magazine is supplied to 10,461 RBKs (Rythu Bharosa Kendras) of State Dept. of Agriculture, AP and to 1800 subscribers.
- *Vyavasaya Panchangam* is supplied to 10,461 RBKs and 1800 other subscribers.

- Field diagnostic bulletins are also published by State Dept of Agriculture, AP with the technical expertise of ANGRAU scientists.




**Fig 23. ANGRAU Publications**



**Fig 24. Release of Vyavasaya Panchangam, Farmers Almanac by Hon'ble Minister of Agriculture and Cooperation, Govt. of AP.**

- **Coordination / Collaborations**

  - ANGRAU has also collaborated with M. S. Swaminathan Research Foundation (MSSRF), Chennai for promoting the concept, "Farming System for Nutrition (FSN)" through three KVKs with the main aim to address malnutrition with the demonstrations at KVKs.
  - The University is continuing its partnership with Media Lab Asia and Reliance Foundation Information Services (RFIS) for disseminating the information through various ICT tools.
  - Technical support is also extended to the Kalgudi platform to disseminate the information to farmers through advisories.

The outreach programmes organized by ANGRAU have been well received by the farmers and extension functionaries at grass root level enabling an effective Transfer of Technology and thus facilitating the rural development.

**g) Contribution of Extension to Academic Programmes:**

- Open and Distance Learning Centre (ODLC)

ODLC at Guntur was established in the year 2018 with the objective of extending agricultural education through distance learning to aspiring farmers, farm women, rural youth, students and other stakeholders in Andhra Pradesh. The centre is organizing skill oriented short term certificate courses across the state (KVK premises as study centres for contact classes and scientists as resource persons) in spheres such as Organic Farming, Terrace Gardening, Bee Keeping, Mushroom Production, Millets Promotion, Agricultural Journalism, etc. Till date, the centre has enrolled more than 1000 aspirants in various courses and awarded certificates to 800 members who successfully completed course requirements.



**Fig 25.Training Programme on Terrace Gardening as a part of Open Distance Learning Centre (ODLC)**

**6.6.4.3. Extension Planning and Technological Impact (***In what way the extension planning help to support enterprises in adopting and deploying new technologies and in commercializing innovations? What is the mechanism in place to study the technological impact?*)

The technologies developed in ANGRAU are being disseminated by the extension wing and advocated to farmers for wider adoption. Deployment of technologies from lab to land is majorly taken care by the scientists working in DAATTC and KVKs. Significant extension efforts are also taken up by the research and teaching faculties in ANGRAU to outreach the farmers at various levels.

**a) Entrepreneurial support and commercializing innovations:**

- For commercialization of innovations/technologies developed in ANGRAU, the efforts of extension wing are in the lines of a) imparting training to all the stakeholders on their developed technologies and b) conducting demonstrations. Training is regularly imparted on ANGRAU developed technologies to trainers and farmers. Locations for scope of wider adaptability are either farmers' fields or in ANGRAU farms. Different FPOs (Farmer Producer Organizations) are also utilized for popularizing ANGRAU technologies. The trained farmers & FPO team will in turn act as Trainers in dissipating the information to farming community.
- ANGRAU's best practices/developed technologies/products for promoting crop health, yields, sustainable agriculture are also popularized through village adoption scheme. Several demonstrations/demonstration units on "seed production, fodder crops, food and feeding demonstrations, water saving technologies and integrated nutrient management (INM) are established in various locations.
- Entrepreneurial activities are promoted by ANGRAU through organizing demonstrations on Entrepreneurial Model Activities such as a) Bee Keeping, b) Conservation of agriculture

waste to animal feed, c) Integrated sheep farming by adopting stall feeding, d) Integrated farming systems, e) Millet processing, f) Establishment of jack fruit value addition unit, g) Mushroom cultivation, and h) mobile millet based street vendor units, etc. The objective of the entrepreneurial activities is to popularize/commercialize the ANGRAU technologies as well as to uplift the socio-economic conditions of the farmers. Besides, ANGRAU also has established "Key Units" on these entrepreneurial model activities in major KVKs and few identified colleges. These "Key Units" function as Training Centres.

- Another important strategy to promoting Nutri-Entrepreneurship for Self Help Group Women is through Millet based food as source for developing shelf-life food entrepreneurs.

**b) Assessment of Technological Impact:**

The developed technologies/material as for example a) Resource and Energy conservation technology-zero tillage maize cultivation in rice fallows; b) Mechanization in paddy to enhance productivity to address labor scarcity (MSRI-Paddy); c) Zero tillage *ragi* cultivation in rice fallow situations-an alternative to late sown rice fallow blackgram, d) Line sowing of paddy with ferti cum seed drill in paddy to enhance productivity and to reduce the cost of cultivation, e) ICM in groundnut, f) Orchard management (cashew), and g) Micro shadenet nursery - a rural micro enterprise for production of vegetable, fruit and flower crops, seeding, etc. are assessed for technical viability, economic feasibility and in improving socio-economic conditions.

The impact of such technologies will be assessed, evaluated primarily through a) Frontline demonstrations, b) Cluster Frontline demonstrations, c) On farm trials, etc. Further, impact assessment will be made through various parameters such as a) extent area of adoption, b) number of farmers adopting, c) cost reduction and yield increase, d) economic impact/benefit etc., for which suitable schedules are prepared to be filled in by the respondents for final evaluation.

Support from Central and State Governments in popularization and enhancing commercial potentiality of ANGRAU developed technologies is also sizeable. Govt. of India has approved the ANGRAU technologies developed by the faculty of Agricultural Engineering & Technology such as the designs of hydraulically efficient and low cost semi-permanent sprinkler irrigation system to overcome the disadvantages of the traditional portable system. The Government of India has approved and issued guidelines to all the states to use this system. The modified broad crested weirs have been designed for use in open canals with an accuracy of 98 per cent for all ranges of discharges in irrigated commands. The I & CAD Department of the Government of Andhra Pradesh has asked the ANGRAU to train their engineers on this method. The modules on crop water planning, indenting and scheduling at project level have been prepared for I&CAD department for implementation at project scale. Sub-surface drainage technologies have been developed to reclaim salt affected and water logged lands in the state (about five lakh hectares) and tested in farmers' fields in irrigated commands. On an average, 60 per cent increase in yields was observed with a payback period of two years. Some useful computer models in irrigation and drainage like CRIWAR, SALTMOD, DRAINMOD, SATEM have been modified to suit to our field conditions in different agro-climatic regions of Andhra Pradesh. A model for comprehensive tank irrigation management plan has been developed for enhancing water productivity and for use in other tanks of the State.

**6.6.4.4. Implementation of National Initiatives (***Mention the status of implementation of Student READY, Green Initiatives, Farmers First Scheme, Mera Gaon Mera Gaurav, NICRA and other similar schemes*)

ANGRAU reiterates its participation and implementation of various National Programmes in its constituent colleges, research stations, extension units and polytechnics.

At college level, the implementation of these programmes is ensured by respective Faculty Deans; at Extension Units like DAATTCs and KVKs, by Director of Extension and at research stations by the Director of Experimental Stations. The Dean of Student Affairs will overall supervise the implementation in colleges.

The following National Level programmes/initiatives are implemented by ANGRAU in its constituent colleges, research stations and extension units, etc.

**a) Student READY:**

Indian Council of Agricultural Research (ICAR) has initiated 'Student READY' (Rural Entrepreneurship Awareness Development Yojana) from the Academic year 2016-17 for the final year students of the undergraduate programme with an aim to build confidence among the agri-graduates for establishing self-employment avenues and for securing employment in various public or private sector organizations so as to serve the farming community with better quality and commitment. The programme is intended to provide hands-on experience and practical training to the undergraduates. The three components which were included under Student READY viz., Rural Work Experience Programme (RWEP), Internship/In-Plant Training /Industrial Attachment Programme and Experiential Learning programme (ELP) will provide ample opportunities for the students to acquire practical knowledge and skills to orient them towards providing best services for the welfare of the farming community.

**b) Agricarnival:**

Agricarnival, a festival of agriculture is celebrated in Agricultural Colleges by the students to emanate their innate talents in the field of Agriculture since 2016-'17. It was conducted with an objective to inculcate inquisitiveness, innovativeness and influencing skills in students. The University has also started 'Agricarnival' at University level from the Academic Year 2018-19

on an important topic of relevance to the current situation by involving the students from all the constituent and affiliated colleges of ANGRAU pertaining to the faculty of Agriculture, Agricultural Engineering & Technology and Community Science to develop competitive spirit among the students and across the faculties.



**Fig 26. AgriCarnival, a Platform for Honing Talents & Skills of Students**

The other initiatives/programmes sponsored by ICAR, GoI and other organizations in the ANGRAU are presented hereunder.

- National Food Security Mission (NFSM) sponsored by ICAR
- National Mission on Oilseeds and Oil Palm (NMOOPS) sponsored by ICAR
- Attracting and Retaining Youth in Agriculture (ARYA)
- National Innovations on Climate Resilient Agriculture (NICRA) sponsored by ICAR

- Cereal System Initiatives for South East Asia (CSISA) sponsored by CSISA
- Integrated Farming Systems (IFS) sponsored by ATMA (Agricultural Technology Management Agency)
- Farming System for Nutrition (FSN)-MSSRF
- Nutri-Sensitive Agricultural Resources and Innovations (NARI) sponsored by ICAR
- Tribal Sub Plan
- Seed Hub sponsored by ICAR
- M-Kisan Portal sponsored by ICAR
- Annapoorna Krishi Prasara Seva (AKPS)-Interactive Information Dissemination System (IIDS) sponsored by ANGRAU Digital India
- Soil Health Cards scheme sponsored by ICAR
- Agricultural Skill training programmes sponsored by ICAR through Agriculture Skill Council of India (ASCI)
- Doubling Farmers Income (DFI) villages sponsored by ICAR
- District Agro-Met Units (DAMU) IMD-Grameena Krishi Mausam Seva (GKMS)
- Krishi Kalyan Abhiyan (KKA)-I & II (Aspiration Districts)
- ANGRAU-SERP (Under APRIGP) sponsored by SERP-ANGRAU
- Pradhan Manthri Kisan Samman Nidhi (PM-Kisan) sponsored by ICAR
- World Soils Day sponsored by ICAR
- World Honey Bee Day sponsored by ICAR
- Parthenium Awareness Week sponsored by ICAR
- Swachhata Hi Sewa sponsored by ICAR

- Swachhta Pakhwada sponsored by ICAR
- Reach Every Panchayat
- Poshan Abhiyan sponsored by ICAR
- Mahila Kisan Diwas sponsored by ICAR
- Awareness on Energy Efficiency sponsored by BEE
- Right Fertilizer Application sponsored by ICAR
- National Cattle Disease Control Programme sponsored by ICAR



**Fig 27. Integrated Farming System (IFS) demonstration Unit at RARS, Maruteru**

As part of the **Green Initiatives**, all the educational institutions and regional research stations are encouraged to install Solar Power System and thus save electricity bills and more importantly reduce global warming. In addition to this, increased importance is being given on aspects of generating less waste, recycling the non-reusables, encouraging the staff on ecologically safe and sustainable options and their impact on the environment, etc.

The research work on molecular breeding for improvement of Swarna sub for major abiotic stresses of Coastal rice areas is being taken up at RARS, Maruteru and ARS,

Machilipatnam under NICRA project of ICAR. In addition to this, Grameena Krishi Mausam Seva (GKMS), an IMD (Indian Meteorological Department, Pune) scheme is also being implemented in RARS, Chintapalli since 2015 and is assisting the farmers by providing agro-advisory services at block level and mandal level.

**6.6.4.5. Innovation and Best Practices (***What are the innovative efforts of an institution that help in its excellence in extension?*)

ANGRAU is adopting various innovative methods in disseminating information to farmers through its extension units -13 KVKs & 13 DAATTCs and one each of Agricultural Information and Communication Centre (AI&CC), Electronic Wing (EW) and Farmers Call Centre (FCC). One of its recent innovative methods is Open and Distance Learning Centre (ODLC).

**Open and Distance Learning Centre**: ODLC at Guntur was established in the year 2018 with the objective of extending agricultural education through distance learning to aspiring farmers, farm women, rural youth, students and other stakeholders in Andhra Pradesh. The centre is organizing skill oriented short term certificate courses across the state (KVK premises as study centres for contact classes and scientists as resource persons) in spheres such as Organic Farming, Terrace Gardening, Bee Keeping, Mushroom Production, Millets Promotion, Agricultural Journalism, etc. Till date, the centre has enrolled more than 1000 aspirants in various courses and awarded certificates to 800 members who successfully completed course requirements.

Other innovative extension methods that are being adopted in ANGRAU are "Flag method; Developing farmer master trainers; Innovative farmers networking; Farm science clubs; Tribal Youth Networking; Reach Every Panchayat; *Kala Jatha*; Pocket Cards; *Annapurna Krishi Prasara Seva* – An Alternative ICT Model; Farm Radio; etc.

The ANGRAU also developed certain mobile applications viz., Agri, Krishi Vigyan, Eruvaka, Mana Verusanaga, V*yavasaya Vathavarana Suchanalu*, Agritech Hub, and ANGRAU Pasu Poshan, Fertilizer Calculator, ANGRAU Sugarcane Cultivation" for technical information dissemination to the farmers.

Farmer's Almanac (*Vyavasaya Panchangam*), published every year and released on Telugu New Year's Day (*Ugadi*) by the Hon'ble Chief Minister of the State, is a prestigious publication of the University and is popular among the farming community. Besides, *Vyavasayam* - monthly agricultural magazine, The Journal of Research ANGRAU, ANGRAU e-Newsletter and Crop Diagnostic Bulletins are the other important publications of ANGRAU.

The University is continuing its partnership with Media Lab Asia and Reliance Foundation Information Services (RFIS) for disseminating the information through various ICT tools.

Technical support is also extended to the Kalgudi platform to disseminate the information to the farmers through advisories.

e-Extension through Electronic Media Wing: The Electronic Media Wing, an innovative e-Extension initiative was taken up by the ANGRAU during 2001, first time by any SAU in the country. The Electronic Media Wing is entrusted to develop interactive CDs on different crops and technologies on seed to seed concept viz., rice, cotton, pulses, mango, SRI cultivation, groundnut, castor, millets, sugarcane and agricultural implements etc. The Electronic Media Wing also produced theme songs for Rythu Chaitanya Yatra (RCY) organized by GoAP.

Pasidipantalu (Doordarshan): On every Wednesday and Friday, Pasidipantalu phone in live programme on agriculture and allied subjects is organized by Doordarshan in which a

scientist from the university will answer the questions asked by the farmers on a pre-informed topic for the day from 6.00 p.m. to 6.55 p.m.

Under distance education programme, ANGRAU identifies and deputes Scientists for Radio Talks under "Vyavasya Pathasala (Farm School on AIR) on every Monday at 7.15 p.m. for 30 minutes duration from All India Radio, Vijayawada for the State of Andhra Pradesh.

Weekly Alters on crop production, protection and package of practices in different crops are given in local newspapers.

The outreach programmes organized by ANGRAU have been well received by the farmers and extension functionaries at grass root level enabling an effective Transfer of Technology (ToT) and also facilitating Rural Development directly and indirectly.

**6.6.4.6. Consultancy/Certification/Testing (***Mention about the resources generated through Consultancy/Certification/Testing etc. in last five years. Give details of all activities. Give summary of participation of faculty in Consultancy/Certification/Testing and outreach programmes*)

Faculty of ANGRAU in all teaching, research and extension are involved in evaluation of chemicals / technologies / products, etc. from different firms as "Paid Up Trials". Further, soil, and water analyses are carried out on cost basis from samples generated from different agro-climatic zones.

The details of income generated by ANGRAU through Consultancy, Paid Up Trials, Certification, Training, Testing etc during the last five years (2015-'16 to 2019-'20) is provided below.

**Table 13. Income Generation through Consultancy/Certification/Testing**

| S. No. | Year | Total Amount Generated (Lakhs) |
|---|---|---|
| 1 | 2015-16 | 214.61 |
| 2 | 2016-‘17 | 214.09 |
| 3 | 2017-‘18 | 691.99 |
| 4 | 2018-‘19 | 351.20 |
| 5 | 2019-‘20 | NA |

### 6.6.5. FACULTY AND STAFF DEVELOPMENT

**6.6.5.1. Recruitment and Promotional Avenue:** (*Give the detailed recruitment procedure for faculty, technical, supporting and administrative staff (in brief) and further mention the last recruitment for each category held in the University. Similarly, career advancement procedure and its implementation for all categories shall be given. How many staff has been recruited directly at the higher positions in the last five years*).

**a) Recruitment of Teaching Staff/Faculty & University Officers:** The recruitment of Assistant Professors, Associate Professors, and Professors shall be taken up after vacancies identified and got permission from the Government of Andhra Pradesh.

The advertisement for recruitment of above posts will be issued throughout the country through newspapers and University website, the required qualifications and age will be followed as per UGC regulations from time to time by following rule of reservation (roster), as prescribed by the Government of Andhra Pradesh. Interviews will be conducted to the eligible candidates and after approval of Board of Management of the University, the selected candidates will be appointed against the vacant positions of the posts notified. During the year 2016, applications were called for (vide Advt. No. 5/RC/2016 dt. 25.09.2016 of the Registrar, ANGRAU) for the recruitment of Assistant Professors and Associate Professors in different faculties and disciplines. Shortlisted candidates based on eligibility were interviewed and selected. A total of a) Four Associate Professors and 86 Assistant Professors in the faculty of Agriculture; b) Ten

Assistant Professors in the faculty of Agricultural Engineering & Technology; and c) Twelve Assistant Professors in the faculty of Community Science were recruited during August 2017.

Promotions to the Teaching staff will be taken up through Career Advancement Scheme prescribed by UGC in its regulations issued by Government of Andhra Pradesh from time to time. The University conducts interviews for the promotions to the cadres of Associate Professor and Professor and the other stages (promotions) will be processed through Screening cum Evaluation.

The University recruited University Officers (09 posts) during 2018 by giving advertisements in newspapers and conducted selections as per Act and Statutes of the University.

**b) Recruitment of Non-Teaching (technical, supporting and administrative) staff:**

- During 2018, seven Assistant Executive Engineers (Civil & Electrical) were recruited. An advertisement by the Registrar for recruitment of these seven positions were given on 13.08.2018 for six positions of AEE (Civil) and one AEE (Electrical) under Direct Recruitment-General category (Advt. No. 1406/OP/A2/2016, dt: 13.08.2018). Written test to the eligible candidates was conducted by JNTU, comprising of Part-A (General studies and mental ability-45 marks) and Part-B (Subject-BE/B.Tech Standard-135 marks). Short listed candidates (720 for AEE-Civil and 41 for AEE-Electrical) were interviewed. Based on the interviews, appointment orders for aforementioned seven positions were issued on 27.11.2018.
- Junior Assistant cum Typist (JACT) selections were taken up for 115 positions (21 Carried forward & 94 Fresh vacancies) vide notification No. 01/Ser.III/2019 dt. 11/02/2019. Applications from eligible candidates were invited online. As per MoU with APPSC, the APPSC conducted screening test in off-line mode. Based on the written test, short listed

candidates (1:2) were called for Computer Proficiency Test (CPT). Based on the overall merit list, duly following reservations, a total of 111 JACTs were appointed on 01.12.2020.

**6.6.5.2. Participation of Faculty in Symposia/Workshops (***Give the comprehensive list (year wise, college wise) participation of faculty in National / International Seminars/ Symposia / Workshops / Training / Consultancy visits / Special assignments etc.*)

The following are the details of participation by teaching faculty in various symposia/workshops at national and international level during the last six years.

**Table 14. Participation of ANGRAU Faculty in Symposia/Workshops**

| S. No. | Name of the College | Faculty Participation in Symposia/workshops/Trainings/Consultancy visits/Special Assignments | | | | | |
|---|---|---|---|---|---|---|---|
| | | **2015** | **2016** | **2017** | **2018** | **2019** | **2020** |
| 1. | Agricultural College, Bapatla | 76 | 125 | 101 | 152 | 188 | 124 |
| 2. | S. V. Agricultural College, Tirupati | 73 | 35 | 54 | 54 | 58 | 28 |
| 3. | Agricultural College, Naira | 51 | 62 | 30 | 24 | 18 | 45 |
| 4. | Agricultural College, Mahanandi | 24 | 14 | 33 | 24 | 15 | 21 |
| 5. | Agricultural College, Rajahmundry | 13 | 22 | 26 | 15 | 4 | 3 |
| 6. | Dr. NTR College of Agril. Engg., Bapatla | 2 | -- | 2 | 46 | 4 | -- |
| 7. | College of Agril. Engg., Madakasira | -- | -- | -- | -- | -- | -- |
| 8. | Dr. NTR College of Food Science & Tech., Bapatla | -- | -- | -- | -- | -- | -- |
| 9. | College of Food Science & Tech., Pulivendula | -- | 5 | 1 | 1 | -- | -- |
| 10. | College of Community Science, Guntur | 5 | 13 | 20 | 15 | 6 | -- |
| 11. | Advance Post Graduate Centre, Lam | -- | -- | -- | -- | -- | -- |
| | **Total** | **244** | **276** | **267** | **331** | **293** | **221** |

**6.6.5.3. Incentives for Excellence/Faculty Recognition (***Does the University is offering Best Teacher Award (ICAR) or any other means of recognition to promote excellence in faculty and other staff? Give the list and selection procedure, in brief.*)

a) **Honoring Excellency for faculty**

Faculty's excellence in teaching, research and extension in ANGRAU is duly recognized to boost their morale and to work further with increased enthusiasm. The ANGRAU presents University level meritorious teacher, meritorious research scientist, and meritorious extension worker awards every year during the annual convocation ceremony. Apart from these, the Government of Andhra Pradesh announces awards to outstanding faculty in State Universities, to be presented on 5$^{th}$ September, the Teachers Day every year. In teaching, these awards have been allocated to three faculties i.e. a) Agriculture Science (two awards), b) Agricultural Engineering & Technology (one award), and c) Community Science (one award). The total awards to Research and Extension scientists are four. They include a) Two research awards and one extension award in Agriculture Science; b) One research Award in Agricultural Engineering & Technology.

The academic section also deals with two Gold Medals which are presented in the Annual Convocation meetings of ANGRAU. The Gold Medals are a) "Sri Mandava Venkatramaiah Award" sponsored by Mandava Foundation, a social service organization of M/s. Nuziveedu Seeds Ltd., Hyderabad during the year 2010 and b) "Acharya N. G. Ranga Young Scientist" sponsored by ANGRAU

<u>Awards at zonal level</u>:

- Best scientist award from the District Collector & Magistrate, on the eve of Republic day
- Best Women Scientist Award in North Coastal Zone
- Best Scientist (North Coastal Zone) award

In addition, the collective efforts of the scientists at research stations are recognized by presenting a) Best Agricultural Research Station under Category 'A' (>8 scientists) and b) Best Agricultural Research Station under Category 'B' (8 & <8 scientists), c) Best Research Station Award to Agricultural Research Station, d) Best KVK Award, e) Best DAATTC awards for best performance in KKA programme.

Besides, the awards sponsored by various individuals/Trusts are presented to the meritorious scientists in different disciplines during the annual convocation. The following are the details of awards that are being given annually to the faculty/outstanding units of ANGRAU.

**Table 15. List of Research Awards**

| S. No. | Name of the Award | No. of Medals | Award for |
|---|---|---|---|
| 1. | Dr. A. V. Krishnaiah Memorial Gold Medal | 1 | Best Scientist in Agril. Sciences |
| 2. | Sri Neelakantapuram Kaverappa Gold Medal | 1 | Best Scientist in Agril. Sciences |
| 3. | Sri Veerapaneni Narasimham Memorial Gold Medal Award | 1 | Best Scientist in Plant Pathology |
| 4. | Smt. Vallabhaneni Lakshmamma and Sri Vallabhaneni Subba Narasiah Gold Medal | 1 | Best Scientist in Agril. Sciences |
| 5. | M/s. The KCP Sugar and Industries Corp. Ltd. | 1 | Best Scientist in Sugarcane research |
| 6 | V R Durgaamba Charitable Trust Endowment prize | 1 | Best Scientist in Organic farming research in Sugarcane |
| 7 | Smt. Edara Subbayamma and Sri Edara Venkata Rao Memorial Gold Medal | 1 | Best Scientist in Agrl. Sciences |

Selection Procedure for honoring faculty's excellence:

A screening committee will be formed for scrutinizing the applications from eligible scientists applying to the aforementioned awards. Selection committee will evaluate the

applicants' performance and finalize the awardees. Similarly for State Govt. awards, the University will nominate the faculty based on their eligibility and merit.

Other incentives to Faculty:

- Faculty/students are encouraged for publishing their research work including PG student work in reputed research journals by giving a monetary incentive for promoting scientific temper. The details are i) Rs. 3,000/- for article with NAAS >6.0, ii) Rs. 5,000/- for article with NAAS > 8.0 (along with appreciation certificate from the University Authorities of concerned Dean of Faculty), and iii) Rs. 8,000/- for article with NAAS > 10.0 with appreciation certificate from the University Authorities of concerned Dean of Faculty.
- Further, certain intangible benefits are also in place in ANGRAU for faculty. Scientists are permitted to attend training programmes, workshops, seminars, etc in time without any undue delay by obtaining direct permission from immediate superior authority at their place of work. The Heads at different regional units are delegated with granting permission to faculty.

**b) Honoring Excellency for other staff**

- Due recognition to the non-teaching staff of ANGRAU on their work excellence and awards will be given on Independence Day i.e. August 15 of every year. The details of meritorious non teaching awards along with amount in rupees as incentive that are proposed under each award are furnished below.

**Table 16. Awards to ANGRAU Non-Teaching Employees**

| S. No. | Employee Category | No. of awards | Amount of Incentive (Rs) |
|---|---|---|---|
| 1 | Assistant Comptroller/Assistant Registrar/Administrative Officer/PS to Vice Chancellor | 1 | 5,000 |
| 2 | Superintendent | 2 | 4,000 |
| 3 | Agricultural Officer | 1 | 4,000 |
| 3 | Senior Assistant | 4 | 3,000 |
| 4 | Junior Assistant-cum-Typist (JACT) | 2 | 2,500 |
| 5 | Agricultural Extension Officer (AEO) | 3 | 2,5000 |
| 6 | Artist-cum-Photographer/Projector Operator/Sr. Library Assistant/Jr. Library Assistant | 2 | 2,500 |
| 6 | Driver/Tractor Driver | 4 | 2,000 |
| 7 | Record Assistant/Field Supervisors | 2 | 2,000 |
| 8 | Class-IV | 5 | 2,000 |
| 11 | Employee working under Technical service like Medical/Subordinate Tech./Press Service/Shelf Assistant (Library)/Xerox Operators/Binders (Library) | 1 | 2,000 |
| | Total | 27 | |

- ANGRAU has adopted the scheme of awarding incentives to meritorious employees based on the recommendations of the Heads of Office. The criteria for sanction of increments with cumulative effect which confers a recurring benefit on the awardee include a) work beyond the call of normal duty, b) discharge of duties at the risk of personal life, c) specific acts which result in netting considerable income to the

university, and d) innovations and outstanding contributions of work in their field of work.

- Outstanding services are also recognized in the form of a) cash award, b) letters of commendation or merit certificates, c) entry of appreciation in the character roll, d) advance increments (with or without cumulative effect), and e) accelerated promotion.

**6.6.5.4. Capacity Building and Training (***How many programmes have been initiated towards developing and strengthening skills, instincts, abilities, processes and resources that the university and its stakeholders need to survive, adapt, and thrive in the fast-changing agricultural scenario*)

The following programmes were undertaken with an aim to develop and strengthen skills, instincts, abilities, processes by ANGRAU for all the stakeholders including students to keep pace with the fast changing global agricultural scenario.

**Table 17. Capacity building programmes organized by ANGRAU during last five years**

| S. No | Program details | 2019-'20 | 2018-'19 | 2017-'18 | 2016-'17 | 2015-'16 |
|---|---|---|---|---|---|---|
| 1 | Training programs/short courses/interaction meetings/Orientationprogrammes/workshops/seminars/conferences/symposia/ODLCs etc | 153 | 166 | 72 | 32 | 27 |
| 2 | Meetings organized | 10 | 19 | 12 | 13 | 5 |

The Institutional Development Plan at ANGRAU has given a unique opportunity to undergraduate students to attain National and International exposure at various National and International institutions.

The following are the various activities on training programs at ANGRAU under IDP.

- National Conference on "Strategic Approaches for Developing World Class Agricultural Universities" at Dr N T R College of Agricultural Engineering, Bapatla on 19$^{th}$ and 20$^{th}$ March, 2019 under Institutional Development Plan (IDP) of ANGRAU
- Sensitization Workshop on "NAHEP Component 2 Activities & Implementation of Academics Management System (AMS)" with all IDP units in collaboration with Dr R C Goyal, PI, and two IT Consultants, ICAR-IASRI at ANGRAU, Lam, Guntur on 11 -12 December, 2019 for implementation of AMS in the University.
- Seven national trainings, for students organized at reputed institutions like ICAR-NAARM, Hyderabad; MANAGE, Hyderabad; Smart Series, Benguluru and SS Technologies, Hyderabad. About 990 undergraduate students benefitted. Sixty six per cent of the students reported as highly satisfied of the national trainings under IDP, ANGRAU.
- Eight skill development programmes at reputed institutions like ICAR-NAARM, Hyderabad; Entrepreneurship Development Institute of India (EDII), Gujarat and MANAGE, Hyderabad; NI-MSME, Hyderabad; ICAR-CIARI, Port Blair, benefitting 258 UG students have been organized. About 68 per cent of the students are highly satisfied with these programmes.

**Table 18. Student trainings at National Level under IDP in ANGRAU**

| S. No. | Area of Training | Host Institution | Students Partici-pated | Amount utilized (in Rs) | Remarks |
|---|---|---|---|---|---|
| National Trainings | | | | | |
| 1 | Entrepreneurial skills development | ICAR-NAARM | 45 | 11,25,000 | 14.02.19 to 06.03.19 |
| 2 | Entrepreneurial skills development | ICAR-NAARM | 45 | 11,25,000 | 20.03.19 to 09.04.19 |
| 3 | Managerial skills | MANAGE | 45 | 11,25,000 | 25.03.19 to 14.04.19 |
| 4 | Soft Skills for Personality Development | SMART Series, Benguluru | 360 | 6,00,000 | At each college for 6 days |
| 5 | Overall Personality Development | SS Technologies, Hyderabad | 420 | 7,49,979 | At each college for 5 days 25.03.2019 to 26-04-2019 |
| 6 | Managerial skills | MANAGE, Hyderabad | 45 | 11,25,000 | 10.12.2019 to 30.12.2019 |
| 7 | Sustainable Integrated Farming Systems for Coastal Eco-regions of India | CIARI, Portblair | 30 | 15,00,000 | 23-09-2019 to 14-10-2019 |

**Table 19. Skill Development Trainings to Students at ANGRAU**

| S. No. | Area of Training | Host Institution | Students Participated | Amount utilized (Rs) | Remarks |
|---|---|---|---|---|---|
| 1 | ICTs in Agriculture | ICAR-NAARM | 25 | 679375 | 21.08.18 to 19.09.18 |
| 2 | Agro based Entrepreneurship for stakeholders | NIRD &PR | 40 | 1855975 | 15.04.19 to 14.05.19 |
| 3 | Agro based Entrepreneurship for students | EDII,Ahmedabad, Gujarat | 40 | 2999678 | 8.04.19 to 3.05.19 |
| 4 | ICTs in Agriculture | MANAGE | 45 | 1125000 | 15.04.19 to 3.05.19 |
| 5 | Agro based Entrepreneurship | Ni-MSME, Hyderabad | 30 | 10,62,000 | 16.09.19 to 04.10.19 |
| 6 | Requisites of Seed Production, Processing and Quality Assurance | IISS, Mau | 28 | 8,90,500 | 23.01.20 to 12.02.20 |
| 7 | Farm Mechanization for Post- harvest operations | CIPHET, Ludhiana | 25 | 9,00,925 | 01-02-2020 to 28-02-2020 |
| 8 | Effective water management | IISWC, Dehradun | 25 | 9,38,563 | 03-03-2020 To 24-03-2020 |

- ANGRAU also organized skill development programmes for stakeholders (40 No.) on Agro based Entrepreneurship at NIRD & PR, Hyderabad during FY 2018-19 & 2019-20.
- 55 students attended International programmes (international experience, skill oriented courses and twinning at OSU, USA and internship at KSU, USA), for which the university has spent Rs. 332 lakhs).

- As a part of Twinning programme, ten students also attended the Mandela Washington fellowship Institute programme. The programme covered different topics under various themes like Business Foundations, Communications & Marketing, Ethics and Leadership and Capital Management
- Students are attached to the faculty working in Kansas State University according to the discipline the students are interested in and they worked in the department labs along with the faculty. The students also had classroom sessions and visits in the programme.
- The students also had professional tours to various places like Walmart, Hike on the Konza Prairie, Flint Hills Discovery Center, Kansas Wheat Tour, Bombay Bites, Faculty and Innovation Labs, Ferrell Ranch Tour, Oklahoma State University (OSU), Land Institute, Trip to Kansas City – Museum, market, urban gardens, amusement park, Abilene.
- Review meetings with the students who attended International training at KSU and OSU were organized two times at Dr N T R College of Agricultural Engineering, Bapatla and S V Agricultural College, Tirupati.
- ICAR-NAHEP has given approval for sending 38 students to University of Wisconsin, USA, Murray State University, USA and University of Kentucky during FY 2019-20 but was suspended due to the COVID-19 Pandemic crisis.




**Fig 28. International Exposure to Students on their Visit to Kansas State University as a part of IDP Programme during June 2019**

Other Activities during COVID-19 Pandemic lockdown situation during FY 2020-21

- Distribution of masks and sanitizers to the Farm staff in the colleges.
- e-Posters on Self-Improvement and on COVID-19 to create awareness among the students and staff
- Online training programme on "Soft Skill Enhancement for Self-Improvement" was conducted from 7 May to 14 June, 2020 for First year undergraduate students of 812 No. in association with SMART Series, Bangalore.
- WebinarJam and Cloud based software solution were purchased for conducting webinars under IDP
- Started using Academic Management System developed by IASRI under NAHEP on trial basis in the colleges.

- Webinar on “COVID – 19 for Health and wellbeing” held on 3rd June, 2020. Hon’ble Vice Chancellor, Dr V Damodara Naidu and Dr N Trimurtulu, Dean of Agriculture & Principal Investigator of IDP addressed the participants. Dr K Srinivas Rao, Pulmonologist, Kanumuri Hospitals; Dr K Kalyan Chakravarthy, Infectious Disease specialist, SHRI Hospital and Dr N SilpaChowdari, Critical care consultant, Ramesh Hospitals delivered their presentations and cleared all the queries of the participants. There are about 826 live attendees in the webinar
- Principal Investigator and IDP team participated in the IDP Annual Review meeting held during 4-5 June, 2020. The National Director, NAHEP appreciated the Principal Investigator for excellent presentation in the review meeting.
- Online training on “Contemporary Education Technologies for Agricultural Education for 20 Faculty nominated by the University by ICAR-NAARM from 8-12 June, 2020. Dr N Trimurtulu, Dean of Agriculture addressed the Faculty participants in the inaugural session on 8 June, 2020 to enhance their knowledge through this programme and train the other faculty colleagues after completion of the programme.
- Organized International Seminar Series on “Communicating Science and Effective Leadership” for the Faculty of ANGRAU in collaboration with Kansas State University, USA during June-August 2020. Dr P V Vara Prasad, University Professor and Director, Sustainable Intensification Innovation Lab and Dr B Jan Middendorf, Associate Director of Sustainable Intensification Innovation Lab of KSU were the course coordinators of the following series.
    - Developing Effective Leadership Skills for Change (Thursday, June 18, 2020)
    - Designing and Delivering Effective Presentations (Thursday, June 25, 2020)

- Communicating Science through Effective Publications (Thursday, July 9, 2020)
- Key Strategies for Successful Proposal Development (Thursday, July 23, 2020)
- Use of SWOT Analysis as Tool for Research (Thursday, August 6, 2020)
- Strategic Planning for Transformational Change (Thursday, August 20, 2020)

- National Webinar on "Recent Biotechnological Tools for Crop Improvement" was conducted by Advanced P.G. Centre on 24.06.2020 from 9.30 am to 5.00 pm under IDP, ANGRAU. There were 2,906 live attendees across the states actively participated in the webinar.

- Online three day workshop on "Placements and Career Counselling" was organized by Skill Advisory, Noida from 28-30 July, 2020 under IDP. Many aspects like Art of communication (group discussion and personal interview), placement design process, placement cell activities, personal wellness and etiquette (10 tricks to remember what we learn), art of counselling and personality were covered in the workshop. Placement officers, Officers in-charge of Student Activities (OSA) and Officers in-charge of Academic Matters (OAM) of all the colleges of ANGRAU participated and got benefitted from the workshop.

- Online sensitization workshops were organized on “Importance of Social safeguards for Agricultural universities” for Faculty from 10 am to 12 noon and on “Social safeguards and You” for students of ANGRAU from 3 pm to 4.30 pm on 14 August, 2020. Mr. Ranjit Kumar, Social safeguards specialist, ICAR, NAHEP explained in detail the importance of social safeguards (equity action plan and labour management plan).The social objectives of IDP were stated as providing equal opportunity, improving

performance of girl and SC/ST students, increasing female participation rate, improving training and employment outcomes and focus on weak students. It was indicated that by promoting peer learning groups, remedial classes, improving language and communication skills helps in improving the performance of students. About 113 faculty and 349 students attended the workshop.

- Knowledge outreach webinar on "Mitigation of COVID-19 pandemic through Health, Nutrition and Family care" was organized on 17 August, 2020 by College of Community Science, ANGRAU, Guntur under IDP. About 508 live attendees (Extension functionaries from public and private sectors, NSS volunteers, faculty and students) were benefitted from the programme.

- ANGRAU-IDP Alumni Webinar Series on the theme "Transforming Agricultural Education Institutions for Better Future through Alumni Linkages" has been inaugurated on 13 July, 2020. ANGRAU-IDP Alumni Webinar Series 1 & 2 was organized by engaging distinguished alumni during July-August, 2020.

- Two day National Conference titled "Transformation of Agricultural Extension Strategies for Effective Reformation (TAESERE)" was organized on 20 & 21 August, 2020 at Agricultural College, Bapatla through online mode under IDP.

- ANGRAU-IDP organized a Webinar series on "Transforming Agricultural Education Institutions for Better Future through Industry Academia collaboration" during the months of September-October, 2020.The webinar aims to bring together experts from prominent agro-based industries – Seed, Fertilizers, Farm machinery, Supply chain,

warehousing and cold storage, micro-irrigation, Food and Retail, FPOs etc to provide a platform for discussion on the strategies that can be framed for the development of graduates for sustainable agriculture development.

Accordingly eight sub-themes were identified and experts from the industry were invited to have expert talks, panel discussions and interactions

Sub Themes:

1. Seed Industry - Quality production and Viable Agriculture
2. Agricultural Chemicals & Fertilizers -Enhance Productivity
3. Agricultural Farm Machinery - Modernizing Agriculture
4. Micro irrigation – Efficiency in Farming
5. Agri-finance (Banks, NBFC's, Small payment banks) –Support to Farmers
6. Agri-processing, Supply chain, and ware housing industries – Profitable Agriculture
7. Emerging Agri-Tech companies, Agri-startups, Social enterprises, FPO's – an ocean of opportunities for youth
8. Public sector initiatives in Agriculture sector –Empowering Farmers

### 6.6.6. STUDENT DEVELOPMENT

**6.6.6.1. Scholarships/Stipend** (*Is the University offering any scholarship programme for meritorious students? How many students are receiving competitive scholarships/fellowships for each college? How many passed out students have been selected for scholarships/fellowships in other Universities*).

The students of Acharya N G Ranga Agricultural University are being provided with large number of scholarships, fellowships and stipends sponsored by various organizations, including Government of Andhra Pradesh, ICAR, and others. The undergraduate students in their final year get stipend of Rs. 3,000/- each with the financial assistance received from the Govt. of Andhra Pradesh during their RAWEP. The ICAR, with the objective of moulding the agricultural

and other graduates to become self reliant by venturing enterprises, is assisting financially to take up ELP modules as part of Student READY programme in constituent colleges of ANGRAU.

All the Post Graduate students are paid with a stipend of Rs. 7,000/- per month for a period of 24 months. On similar lines, Ph.D. students are also paid with Rs. 10,000/- per month for a period of 36 months for their doctoral studies. In addition, the students are getting the financial assistance in the form of National Merit/Talent Scholarships, Post Matric Scholarships, and others. The details of scholarships that are provided to students College-wise are furnished below.

## Table 20. Details of Scholarships at Agricultural College, Bapatla

**(Amount in Rs. per year)**

| S. No. | Name of the Scholarship | 2015-'16 | | 2016-17 | | '2017-'18 | | 2018-'19 | | 2019-'20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount in | No. of Students | Amount |
| 1 | National Merit/ Talent Scholarship | 24 | 288000 | - | - | -- | -- | 49 | 8,40,000 | 51 | 20,76,000 |
| 2 | Government of India Post-Matric Scholarship to Scheduled Castes | 42 | 1391126 | 50 | 1281400 | -- | -- | -- | -- | - | - |
| 3 | Government of India Post-Matric Scholarship to Scheduled Tribes | 10 | 201835 | 12 | 275400 | -- | -- | -- | -- | - | - |
| 4 | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | - | - | -- | -- | -- | -- | -- | -- |
| 5 | Post Matric Scholarship to BC | 115 | 3165985 | - | - | -- | -- | -- | -- | -- | --- |
| 6 | Post Matric Scholarship to EBC | 87 | 1386057 | - | - | -- | -- | -- | -- | -- | -- |
| 7 | Minority Post Matric Scholarship | 23 | 547348 | - | - | -- | -- | -- | -- | -- | -- |
| 8 | State Scholarship to Denoted Tribes | - | - | - | - | -- | -- | 05 | 80550 | - | - |
| 9 | State Scholarship to Listed Backward Class | - | - | 130 | 33,15,000 | -- | -- | 91 | 873320 | 188 | 3585233 |
| 10 | State Scholarship to Economically Poor Persons | - | - | 95 | 12,74,805 | -- | -- | 23 | 95105 | 96 | 329731 |
| 11 | Stipend to Post Graduate Students | - | - | 101 | 5,05,000 | 95 | 47,50,000 | 80 | 40,00,000 | 76 | 53,20,000 |
| 12 | Stipend to Ph. D. Students | 20 | 21,70,000 | 24 | 16,80,000 | 31 | 21,70,000 | 44 | 30,80,000 | 47 | 47,00,000 |
| 13 | Stipend to Under Graduate Students from Other States | - | - | -- | -- | -- | -- | -- | -- | - | - |
| 14 | Stipend to Agril. Officers studying M.Sc. (Ag.) Course | - | - | -- | -- | -- | -- | -- | -- | - | - |
| 15 | Stipend to VEOs studying | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | B.Sc. (Ag.) Course | | | | | | | | | | |
| 16 | Stipend to VDOs studying B.Sc.(Ag.) Course | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 17 | Dress and Book Allowance | -- | -- | -- | -- | 214 | 1,28,400 | 220 | 1,32,200 | 219 | 1,31,900 |
| 18 | Others, if any<br>a) Bayer Fellowship (M.Sc.) (Ag.) | 03 | 2,52,000 | 04 | 3,36,000 | 05 | 4,20,000 | 06 | 5,04,000 | 02 | 1,68,000 |
| | b) Bayer Fellowship (Ph.D) (Ag.) | 01 | 1,20,000 | 03 | 3,60,000 | 04 | 4,80,000 | 04 | 4,80,000 | 02 | 2,40,000 |
| | c) ANGRAU Stipend | 01 | 5,900 | 24 | 16,80,000 | 31 | 21,70,000 | -- | -- | - | - |
| 19 | State Post – Matric Scholarship to BC-E | - | - | -- | -- | -- | -- | -- | -- | - | - |
| 20 | Inspire Fellowship for Ph.D. Students | - | - | -- | -- | -- | -- | -- | -- | - | - |
| 21 | Rajiv Gandhi Fellowship for Ph.D. Students | - | - | -- | -- | -- | -- | -- | -- | - | - |
| 22 | State scholarship to Scheduled castes | - | - | 50 | 12,81,400 | -- | -- | 24 | 2,25,000 | - | - |
| 23 | State scholarship to scheduled tribes | - | - | 12 | 2,75,400 | -- | -- | 05 | 80,550 | - | - |
| 24 | State scholarship to Backward castes | - | - | 130 | 33,15,000 | -- | -- | 91 | 8,73,327 | - | - |
| 25 | State scholarship to Minority | - | - | 21 | 5,86,299 | -- | -- | 07 | 28,588 | - | - |
| 26 | State scholarship to Kapu welfare Department | - | - | -- | -- | -- | -- | 16 | 68,736 | - | - |
| 27 | State Scholarship to EBC | - | - | 95 | 12,74,805 | -- | -- | 23 | 95,105 | - | - |
| 28 | ICAR – JRF Scholarship | 03 | 3,29,040 | -- | -- | 03 | 3,11,040 | 09 | 13,69,440 | 02 | 7,68,000 |
| 29 | ICAR – SRF Scholarship | - | - | -- | -- | 02 | 3,60,000 | 04 | 12,00,000 | - | - |
| 30 | State Merit Scholarship | - | - | -- | -- | -- | -- | --- | --- | - | - |
| 31 | GoI Scholarship to Student Under HRD Programme | - | - | -- | -- | -- | -- | -- | -- | - | - |

## Table 21. Details of Scholarships at S.V. Agricultural College, Tirupati

**(Amount in Rs. per year)**

| S. No. | Name of the Scholarship | 2015-'16 | | 2016-17 | | '2017-'18 | | 2018-'19 | | 2019-'20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount in | No. of Students | Amount |
| 1 | National Merit/ Talent Scholarship | 40 | 4,80,000 | 39 | 9,36,000 | - | - | - | - | - | - |
| 2 | Government of India Post-Matric Scholarship to Scheduled Castes | - | - | - | - | 43 | 5,01,380 | - | - | - | - |
| 3 | Government of India Post-Matric Scholarship to Scheduled Tribes | - | - | - | - | 13 | 1,35,950 | - | - | - | - |
| 4 | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | - | - | - | - | - | - | - | - |
| 5 | Post Matric Scholarship to BC | - | - | - | - | - | - | - | - | - | - |
| 6 | Post Matric Scholarship to EBC | - | - | - | - | - | - | -- | - | - | - |
| 7 | Minority Post Matric Scholarship | - | - | - | - | - | - | - | - | - | - |
| 8 | State Scholarship to Denoted Tribes | 12 | 1,29,600 | - | - | - | - | - | - | 32 | 5,37,600 |
| 9 | State Scholarship to Listed Backward Class | 89 | 770562 | - | - | 45 | 524700 | 70 | 465225 | 214 | 3081600 |
| 10 | State Scholarship to Economically Poor Persons | 122 | 1421544 | - | - | 58 | 588700 | 16 | 110947 | 72 | 831168 |
| 11 | Stipend to Post Graduate Students | - | - | - | - | - | - | - | - | - | - |
| 12 | Stipend to Ph. D. Students | 64 | 3840000 | 67 | 40,20,000 | 66 | 39,60,000 | - | - | - | - |
| 13 | Stipend to Under Graduate Students from Other States | - | - | - | - | -- | - | - | - | - | - |
| 14 | Stipend to Agril. Officers | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **studying M.Sc. (Ag.) Course** | | | | | | | | | | |
| **15** | **Stipend to VEOs studying B.Sc. (Ag.) Course** | - | - | -- | - | - | - | - | - | - | - |
| **16** | **Stipend to VDOs studying B.Sc.(Ag.) Course** | - | - | - | - | - | - | - | - | - | - |
| **17** | **Dress and Book Allowance** | 138 | 27600 | 149 | 29800 | - | - | - | - | 161 | 96600 |
| **18** | **Others, if any**<br>**a) Bayer Fellowship (M.Sc.) (Ag.)** | - | - | - | - | - | - | - | - | - | - |
| | **b) Bayer Fellowship (Ph.D) (Ag.)** | - | - | - | - | - | - | - | - | - | - |
| | **c) ANGRAU Stipend** | - | - | - | - | - | - | - | - | - | - |
| **19** | **State Post – Matric Scholarship to BC-E** | - | - | - | - | - | - | - | - | - | - |
| **20** | **Inspire Fellowship for Ph.D. Students** | - | - | - | - | - | - | - | - | - | - |
| **21** | **Rajiv Gandhi Fellowship for Ph.D. Students** | - | - | - | - | - | - | - | - | - | - |
| **22** | **State scholarship to Scheduled castes** | - | - | - | - | - | - | - | - | - | - |
| **23** | **State scholarship to scheduled tribes** | - | - | - | - | - | - | - | - | - | - |
| **24** | **State scholarship to Backward castes** | - | - | - | - | - | - | - | - | - | - |
| **25** | **State scholarship to Minority** | - | - | - | - | - | - | - | - | - | - |
| **26** | **State scholarship to Kapu welfare Department** | - | - | - | - | - | - | - | - | - | - |
| **27** | **State Scholarship to EBC** | - | - | - | - | - | - | - | - | - | - |
| **28** | **ICAR – JRF Scholarship** | - | - | 14 | | - | - | - | - | - | - |
| **29** | **ICAR – SRF Scholarship** | - | - | 02 | 72000 | - | - | - | - | - | - |
| **30** | **State Merit Scholarship** | - | - | - | - | - | - | 76 | 1276800 | - | - |

## Table 22. Details of Scholarships at Agricultural College, Naira

**(Amount in Rs. per year)**

| S. No. | Name of the Scholarship | 2015-'16 | | 2016-17 | | '2017-'18 | | 2018-'19 | | 2019-'20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount in | No. of Students | Amount |
| 1 | National Merit/ Talent Scholarship | 19 | 2,28,000 | - | - | - | - | - | - | - | - |
| 2 | Government of India Post-Matric Scholarship to Scheduled Castes | - | - | - | - | 26 | 437881 | 29 | 477352 | - | - |
| 3 | Government of India Post-Matric Scholarship to Scheduled Tribes | - | - | - | - | 12 | 130572 | 12 | 188095 | - | - |
| 4 | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | - | - | - | - | - | - | - | - |
| 5 | Post Matric Scholarship to BC | - | - | - | - | - | - | - | - | - | - |
| 6 | Post Matric Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| 7 | Minority Post Matric Scholarship | - | - | - | - | - | - | - | - | - | - |
| 8 | State Scholarship to Denoted Tribes | - | - | - | - | - | - | - | - | - | - |
| 9 | State Scholarship to Listed Backward Class | 121 | 820859 | 115 | 7,67,676 | 98 | 1726532 | 108 | 174356 | 255 | 7167206 |
| 10 | State Scholarship to Economically Poor Persons | - | - | - | - | 16 | 188901 | 16 | 256000 | 26 | 679032 |
| 11 | Stipend to Post Graduate Students | - | - | 06 | 2,40,000 | - | - | - | - | 09 | 438120 |
| 12 | Stipend to Ph. D. Students | - | - | - | - | - | - | - | - | - | - |
| 13 | Stipend to Under Graduate Students from Other States | - | - | - | - | - | - | - | - | - | - |
| 14 | Stipend to Agril. Officers studying M.Sc. (Ag.) Course | - | - | - | - | - | - | - | - | - | - |
| 15 | Stipend to VEOs studying B.Sc. (Ag.) Course | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | Stipend to VDOs studying B.Sc.(Ag.) Course | - | - | - | - | 14 | 1,96,000 | 14 | 196000 | - | - |
| 17 | Dress and Book Allowance | 65 | 13000 | - | - | 87 | 52,200 | 99 | 59400 | 118 | 70800 |
| 18 | Others, if any<br>a) Bayer Fellowship (M.Sc.) (Ag.) | - | - | - | - | - | - | - | - | - | - |
| | b) ANGRAU Stipend | - | - | - | - | - | - | - | - | - | - |
| 19 | State Post – Matric Scholarship to BC-E | - | - | - | - | - | - | - | - | - | - |
| 20 | State scholarship to Scheduled castes | - | - | - | - | - | - | - | - | - | - |
| 21 | State scholarship to scheduled tribes | - | - | - | - | - | - | - | - | - | - |
| 22 | State scholarship to Backward castes | - | - | - | - | - | - | - | - | - | - |
| 23 | State scholarship to Minority | - | - | - | - | - | - | - | - | - | - |
| 24 | State scholarship to Kapu welfare Department | - | - | - | - | - | - | - | - | - | - |
| 25 | State Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| 26 | ICAR – JRF Scholarship | - | - | - | - | - | - | - | - | - | - |
| 27 | State Merit Scholarship | - | - | - | - | - | - | - | - | - | - |

## Table 23. Details of Scholarships at Agricultural College, Mahanandi

**(Amount in Rs. per year)**

| S. No. | Name of the Scholarship | 2015-'16 | | 2016-17 | | '2017-'18 | | 2018-'19 | | 2019-'20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount in | No. of Students | Amount |
| 1 | National Merit/ Talent Scholarship | - | - | - | - | - | - | - | - | - | - |
| 2 | Government of India Post-Matric Scholarship to Scheduled Castes | - | - | - | - | - | - | - | - | - | - |
| 3 | Government of India Post-Matric Scholarship to Scheduled Tribes | - | - | - | - | - | - | - | - | - | - |
| 4 | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | - | - | - | - | 26 | 232325 | - | - |
| 5 | Post Matric Scholarship to BC | - | - | - | - | - | - | - | - | - | - |
| 6 | Post Matric Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| 7 | Minority Post Matric Scholarship | - | - | - | - | - | - | - | - | - | - |
| 8 | State Scholarship to Denoted Tribes | - | - | - | - | - | - | 04 | 53950 | - | - |
| 9 | State Scholarship to Listed Backward Class | - | - | - | - | - | - | - | - | 153 | 153775 |
| 10 | State Scholarship to Economically Poor Persons | - | - | - | - | - | - | - | - | - | - |
| 11 | Stipend to Post Graduate Students | - | - | - | - | - | - | 07 | 7,00,000 | - | - |
| 12 | Stipend to Ph. D. Students | - | - | - | - | - | - | - | - | - | - |
| 13 | Stipend to Under Graduate Students from Other States | - | - | - | - | - | - | - | - | - | - |
| 14 | Stipend to Agril. Officers studying M.Sc. (Ag.) Course | - | - | - | - | - | - | - | - | - | - |
| 15 | Stipend to VEOs studying | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | B.Sc. (Ag.) Course | | | | | | | | | | |
| 16 | Stipend to VDOs studying B.Sc.(Ag.) Course | - | - | - | - | - | - | - | - | - | - |
| 17 | Dress and Book Allowance | - | - | - | - | - | - | 75 | 45000 | 70 | 42000 |
| 18 | Others, if any<br>a) Bayer Fellowship (M.Sc.) (Ag.) | - | - | - | - | - | - | - | - | - | - |
| | b) ANGRAU Stipend | - | - | - | - | - | - | 02 | 20000 | - | - |
| 19 | State Post – Matric Scholarship to BC-E | - | - | - | - | - | - | - | - | - | - |
| 20 | State scholarship to Scheduled castes | - | - | - | - | - | - | - | - | - | - |
| 21 | State scholarship to scheduled tribes | - | - | - | - | - | - | - | - | - | - |
| 22 | State scholarship to Backward castes | - | - | - | - | - | - | - | - | - | - |
| 23 | State scholarship to Minority | - | - | - | - | - | - | - | - | - | - |
| 24 | State scholarship to Kapu welfare Department | - | - | - | - | - | - | - | - | - | - |
| 25 | State Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| 26 | ICAR – JRF Scholarship | - | - | - | - | - | - | - | - | - | - |
| 27 | State Merit Scholarship | - | - | - | - | - | - | - | - | - | - |

## Table 24. Details of Scholarships at Agricultural College, Rajamahendravaram

**(Amount in Rs. per year)**

| S.No. | Name of the Scholarship | 2015-'16 | | 2016-17 | | '2017-'18 | | 2018-'19 | | 2019-'20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount in | No. of Students | Amount |
| 1 | National Merit/ Talent Scholarship | - | - | - | - | - | - | - | - | - | - |
| 2 | Government of India Post-Matric Scholarship to Scheduled Castes | - | - | - | - | - | - | - | - | - | - |
| 3 | Government of India Post-Matric Scholarship to Scheduled Tribes | - | - | - | - | - | - | - | - | - | - |
| 4 | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | - | - | - | - | - | - | - | - |
| 5 | Post Matric Scholarship to BC | - | - | - | - | - | - | - | - | - | - |
| 6 | Post Matric Scholarship to EBC | 113 | 35443 | 117 | 437218 | 154 | 153775 | 153 | 153775 | 98 | 730987 |
| 7 | Minority Post Matric Scholarship | - | - | - | - | - | - | - | - | - | - |
| 8 | State Scholarship to Denoted Tribes | - | - | - | - | - | - | - | - | - | - |
| 9 | State Scholarship to Listed Backward Class | - | - | - | - | - | - | - | - | - | - |
| 10 | State Scholarship to Economically Poor Persons | - | - | - | - | - | - | - | - | - | - |
| 11 | Stipend to Under Graduate Students from Other States | | - | - | - | - | - | - | - | - | - |
| 12 | Stipend to VEOs studying B.Sc. (Ag.) Course | - | - | - | - | - | - | - | - | - | - |
| 13 | Stipend to VDOs studying B.Sc.(Ag.) Course | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | Dress and Book Allowance | 53 | 10600 | 58 | 11600 | 71 | 43200 | 70 | 42000 | - | - |
| 15 | State Post – Matric Scholarship to BC-E | - | - | - | - | - | - | - | - | - | - |
| 16 | State scholarship to Scheduled castes | - | - | - | - | - | - | - | - | - | - |
| 17 | State scholarship to scheduled tribes | - | - | - | - | - | - | - | - | - | - |
| 18 | State scholarship to Backward castes | - | - | - | - | - | - | - | - | - | - |
| 19 | State scholarship to Minority | - | - | - | - | - | - | - | - | - | - |
| 20 | State scholarship to Kapu welfare Department | - | - | - | - | - | - | - | - | - | - |
| 21 | State Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| 22 | State Merit Scholarship | - | - | - | - | - | - | - | - | - | - |

6.

## Table 25. Details of Scholarships at Home Science/ Community Science College, Guntur

**(Amount in Rs. per year)**

| S. No. | Name of the Scholarship | 2015-'16 | | 2016-17 | | '2017-'18 | | 2018-'19 | | 2019-'20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount in | No. of Students | Amount |
| 1 | National Merit/ Talent Scholarship | - | - | - | - | - | - | - | - | - | - |
| 2 | Government of India Post-Matric Scholarship to Scheduled Castes | - | - | 25 | 276440 | 37 | 694480 | 54 | 362384 | - | - |
| 3 | Government of India Post-Matric Scholarship to Scheduled Tribes | - | - | 10 | 127980 | 05 | 61988 | - | - | - | - |
| 4 | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | 02 | 56620 | - | - | - | - | - | - |
| 5 | Post Matric Scholarship to BC | - | - | - | - | - | - | 13 | 136946 | - | - |
| 6 | Post Matric Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| 7 | Minority Post Matric Scholarship | - | - | - | - | - | - | 13 | 136946 | - | - |
| 8 | State Scholarship to Denoted Tribes | 02 | 13200 | - | - | - | - | 08 | 94555 | - | - |
| 9 | State Scholarship to Listed Backward Class | 21 | 138600 | 58 | 565020 | 66 | 894418 | 90 | 620187 | - | - |
| 10 | State Scholarship to Economically Poor Persons | 06 | 39600 | 09 | 110580 | 08 | 120240 | 26 | 288351 | 235 | 5410985 |
| 11 | Stipend to Under Graduate Students from Other States | - | - | - | - | - | - | - | - | - | - |
| 12 | Dress and Book Allowance | 37 | 7400 | 56 | 11200 | 80 | 48000 | 91 | 54600 | - | - |
| 13 | State Post – Matric Scholarship to BC-E | - | - | - | - | - | - | - | - | - | - |
| 14 | State scholarship to Scheduled castes | - | - | - | - | - | - | - | - | - | - |
| 15 | State scholarship to scheduled | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | tribes | | | | | | | | | | |
| **16** | State scholarship to Backward castes | - | - | - | - | - | - | - | - | - | - |
| **17** | State scholarship to Minority | - | - | - | - | - | - | - | - | - | - |
| **18** | State scholarship to Kapu welfare Department | - | - | - | - | - | - | - | - | - | - |
| **19** | State Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| **20** | State Merit Scholarship | - | - | - | - | - | - | - | - | - | - |

## Table 26. Details of Scholarships at Dr. NTR College of Agricultural Engineering, Bapatla

**(Amount in Rs. per year)**

| **S. No.** | **Name of the Scholarship** | **2015-'16** | | **2016-17** | | **'2017-'18** | | **2018-'19** | | **2019-'20** | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **No. of Students** | **Amount** | **No. of Students** | **Amount** | **No. of Students** | **Amount** | **No. of Students** | **Amount in** | **No. of Students** | **Amount** |
| **1** | National Merit/ Talent Scholarship | - | - | - | - | 08 | 128000 | 20 | 562400 | 13 | 441900 |
| **2** | Government of India Post-Matric Scholarship to Scheduled Castes | - | - | - | - | 29 | 679318 | 35 | 714972 | 29 | 480000 |
| **3** | Government of India Post-Matric Scholarship to Scheduled Tribes | - | - | 04 | 50800 | 05 | 117728 | 10 | 218479 | 17 | 207351 |
| **4** | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | - | - | - | - | - | - | - | - |
| **5** | Post Matric Scholarship to BC | - | - | - | - | - | - | - | - | - | - |
| **6** | Post Matric Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| **7** | Minority Post Matric Scholarship | - | - | - | - | - | - | - | - | - | - |
| **8** | State Scholarship to Denoted | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Tribes | | | | | | | | | | |
| **9** | State Scholarship to Listed Backward Class | 80 | 912770 | 69 | 978622 | 96 | 1994499 | 116 | 1753510 | 206 | 2313944 |
| **10** | State Scholarship to Economically Poor Persons | 52 | 598937 | 44 | 580448 | - | - | 51 | 503995 | 71 | 842813 |
| **11** | Stipend to Post Graduate Students | 18 | 1080000 | 17 | 60000 | 19 | 950000 | 20 | 562400 | 25 | 1020000 |
| **12** | Stipend to Ph. D. Students | 10 | 840000 | - | - | - | - | - | - | - | - |
| **13** | Stipend to Under Graduate Students from Other States | - | - | 18 | 60000 | - | - | - | - | - | - |
| **14** | Dress and Book Allowance | 33 | 6600 | - | - | - | - | 66 | 39600 | 61 | 36600 |
| **15** | Others, if any | - | - | - | - | - | - | - | - | - | - |
| **16** | a) Bayer Fellowship (M.Sc.) (Ag.) | | | | | | | | | | |
| | b) Bayer Fellowship (Ph.D) (Ag.) | - | - | - | - | - | - | - | - | - | - |
| | c) ANGRAU Stipend | - | - | - | - | - | - | - | - | - | - |
| **17** | State Post – Matric Scholarship to BC-E | - | - | - | - | - | - | - | - | - | - |
| **18** | Inspire Fellowship for Ph.D. Students | - | - | - | - | - | - | - | - | - | - |
| **19** | Rajiv Gandhi Fellowship for Ph.D. Students | - | - | - | - | - | - | - | - | - | - |
| **20** | State scholarship to Scheduled castes | - | - | - | - | - | - | - | - | - | - |
| **21** | State scholarship to scheduled tribes | - | - | - | - | - | - | - | - | - | - |
| **22** | State scholarship to Backward castes | - | - | - | - | - | - | - | - | - | - |
| **23** | State scholarship to Minority | - | - | - | - | - | - | - | - | - | - |
| **24** | State scholarship to Kapu welfare Department | - | - | - | - | - | - | - | - | - | - |
| **25** | State Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| **26** | ICAR – JRF Scholarship | - | - | - | - | - | - | - | - | - | - |
| **27** | ICAR – SRF Scholarship | - | - | - | - | - | - | - | - | - | - |
| **28** | State Merit Scholarship | - | - | - | - | - | - | - | - | - | - |

7.

## Table 27. Details of Scholarships at College of Agricultural Engineering, Madakasira

**(Amount in Rs. per year)**

| S. No. | Name of the Scholarship | 2015-'16 | | 2016-17 | | '2017-'18 | | 2018-'19 | | 2019-'20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount | No. of Students | Amount in | No. of Students | Amount |
| 1 | National Merit/ Talent Scholarship | 06 | 30000 | 08 | 216000 | 07 | 112000 | - | - | 06 | 192000 |
| 2 | Government of India Post-Matric Scholarship to Scheduled Castes | 06 | 174589 | 05 | 245896 | 12 | 237780 | - | - | - | - |
| 3 | Government of India Post-Matric Scholarship to Scheduled Tribes | 04 | 119660 | 03 | 71469 | 05 | 99075 | 15 | 376125 | - | - |
| 4 | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | - | - | - | - | 04 | 100300 | 44 | 351750 |
| 5 | Post Matric Scholarship to BC | - | - | - | - | - | - | - | - | - | - |
| 6 | Post Matric Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| 7 | Minority Post Matric Scholarship | - | - | - | - | - | - | - | - | - | - |
| 8 | State Scholarship to Denoted Tribes | - | - | - | - | - | - | - | - | 06 | 52700 |
| 9 | State Scholarship to Listed Backward Class | 20 | 520707 | 24 | 83973 | 41 | 744109 | 59 | 994150 | 205 | 1542205 |
| 10 | State Scholarship to Economically Poor Persons | 27 | 374524 | 22 | 270675 | - | - | 02 | 41750 | 77 | 716447 |
| 11 | Stipend to Under Graduate Students from Other States | - | - | - | - | - | - | - | - | - | - |
| 12 | Dress and Book Allowance | 27 | 5400 | 27 | 5400 | 26 | 15600 | 27 | 16200 | - | - |
| 13 | State Post – Matric Scholarship to BC-E | - | - | - | - | - | - | - | - | 17 | 135612 |
| 14 | State scholarship to Scheduled castes | - | - | - | - | - | - | - | - | - | - |
| 15 | State scholarship to scheduled | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | tribes | | | | | | | | | | |
| **16** | State scholarship to Backward castes | - | - | - | - | - | - | - | - | - | - |
| **17** | State scholarship to Minority | - | - | - | - | - | - | - | - | - | - |
| **18** | State scholarship to Kapu welfare Department | - | - | - | - | - | - | - | - | 18 | 156174 |
| **19** | State Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| **20** | State Merit Scholarship | - | - | - | - | - | - | - | - | - | - |

## Table 28. Details opf Scholarships at Dr. NTR College of Food Science & Technology, Bapatla

**(Amount in Rs. per year)**

| **S. No.** | **Name of the Scholarship** | **2015-'16** | | **2016-17** | | **'2017-'18** | | **2018-'19** | | **2019-'20** | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **No. of Students** | **Amount** | **No. of Students** | **Amount** | **No. of Students** | **Amount** | **No. of Students** | **Amount in** | **No. of Students** | **Amount** |
| **1** | National Merit/ Talent Scholarship | 08 | 86000 | 09 | 166000 | 07 | 168000 | 02 | 64000 | 01 | 36000 |
| **2** | Government of India Post-Matric Scholarship to Scheduled Castes | - | - | - | - | - | - | - | - | - | - |
| **3** | Government of India Post-Matric Scholarship to Scheduled Tribes | - | - | - | - | - | - | - | - | - | - |
| **4** | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | - | - | - | - | - | - | - | - |
| **5** | Post Matric Scholarship to BC | - | - | - | - | - | - | - | - | - | - |
| **6** | Post Matric Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| **7** | Minority Post Matric Scholarship | - | - | - | - | - | - | - | - | - | - |
| **8** | State Scholarship to Denoted Tribes | 04 | 26400 | - | - | 03 | 37359 | 05 | 78973 | 10 | 116651 |
| **9** | State Scholarship to Listed | 40 | 229795 | 38 | 985065 | 30 | 833616 | 30 | 681690 | 81 | 1687213 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Backward Class | | | | | | | | | | |
| **10** | State Scholarship to Economically Poor Persons | 30 | 188712 | 29 | 216962 | 22 | 262545 | 17 | 408121 | 30 | 638590 |
| **11** | Dress and Book Allowance | 35 | 7000 | - | - | - | - | - | - | - | - |
| **12** | State Post – Matric Scholarship to BC-E | 05 | 47764 | - | - | - | - | - | - | - | - |
| **13** | State scholarship to Scheduled castes | - | - | - | - | 03 | 37387 | 15 | 158649 | 36 | 569245 |
| **14** | State scholarship to scheduled tribes | 17 | 57600 | - | - | - | - | - | - | - | - |
| **15.** | State scholarship to Backward castes | - | - | - | - | - | - | - | - | - | - |
| **16.** | State scholarship to Minority | - | - | 03 | 75120 | - | - | - | - | - | - |
| **17.** | State scholarship to Kapu welfare Department | - | - | - | - | - | - | - | - | - | - |
| **18.** | State Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| **19.** | State Merit Scholarship | - | - | - | - | - | - | - | - | - | - |

## Table 29. Details of Scholarships at College of Food Science & Technology, Pulivendula

**(Amount in Rs. per year)**

| **S. No.** | **Name of the Scholarship** | **2015-'16** | | **2016-17** | | **'2017-'18** | | **2018-'19** | | **2019-'20** | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **No. of Students** | **Amount** | **No. of Students** | **Amount** | **No. of Students** | **Amount** | **No. of Students** | **Amount in** | **No. of Students** | **Amount** |
| **1** | National Merit/ Talent Scholarship | - | - | - | - | - | - | - | - | 01 | 36,000 |
| **2** | Government of India Post-Matric Scholarship to Scheduled Castes | 05 | 43200 | - | - | - | - | - | - | - | - |
| **3** | Government of India Post-Matric Scholarship to Scheduled Tribes | 01 | 7200 | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **4** | Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs. | - | - | - | - | - | - | - | - | - | - |
| **5** | Post Matric Scholarship to BC | - | - | - | - | - | - | - | - | - | - |
| **6** | Post Matric Scholarship to EBC | - | - | - | - | - | - | - | - | - | - |
| **7** | Minority Post Matric Scholarship | - | - | - | - | - | - | - | - | - | - |
| **8** | State Scholarship to Denoted Tribes | - | - | 01 | 9600 | 03 | 28800 | 04 | 96507 | - | - |
| **9** | State Scholarship to Listed Backward Class | 15 | 117364 | 07 | 53872 | 22 | 211200 | 29 | 502787 | 81 | 1687213 |
| **10** | State Scholarship to Economically Poor Persons | - | - | 06 | 57600 | 22 | 169312 | 20 | 266850 | 30 | 638590 |

## Table 30. Details of Scholarships at Advanced Post Graduate Centre, Guntur

**(Amount in Rs. per year)**

| **S. No.** | **Name of the Scholarship** | **2015-'16** | | **2016-17** | | **'2017-'18** | | **2018-'19** | | **2019-'20** | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **No. of Students** | **Amount** | **No. of Students** | **Amount** | **No. of Students** | **Amount** | **No. of Students** | **Amount in** | **No. of Students** | **Amount** |
| **1** | **National Merit/ Talent Scholarship** | | | | | | | | | | |
| **2** | **Government of India Post-Matric Scholarship to Scheduled Castes** | | | | | | | | | | |
| **3** | **Government of India Post-Matric Scholarship to Scheduled Tribes** | | | | | | | | | | |
| **4** | **Government of India Post-Inter Merit Scholarship (Dist. Level) to SCs and STs.** | | | | | | | | | | |
| **5** | **Post Matric Scholarship to BC** | | | | | | | | | | |
| **6** | **Post Matric Scholarship to** | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **EBC** | | | | | | | | | | |
| **7** | **Minority Post Matric Scholarship** | | | | | | | | | | |
| **8** | **State Scholarship to Denoted Tribes** | | | | | | | | | | |
| **9** | **State Scholarship to Listed Backward Class** | | | | | | | | | | |
| **10** | **State Scholarship to Economically Poor Persons** | | | | | | | | | | |
| **11** | **Stipend to Post Graduate Students** | -- | -- | 24 | 14,40,000 | 24 | 14,40,000 | 60 | 3,00,000 | 51 | 42,84,000 |
| **12** | **Stipend to Ph. D. Students** | -- | -- | 24 | 20,16,000 | 24 | 20,16,000 | 06 | 5,04,000 | 09 | 10,80,000 |
| **13** | **Stipend to Under Graduate Students from Other States** | | | | | | | | | | |
| **14** | **Stipend to Agril. Officers studying M.Sc. (Ag.) Course** | | | | | | | | | | |
| **15** | **Stipend to VEOs studying B.Sc. (Ag.) Course** | - | - | -- | - | - | - | - | - | - | - |
| **16** | **Stipend to VDOs studying B.Sc.(Ag.) Course** | - | - | - | - | - | - | - | - | - | - |
| **17** | **Dress and Book Allowance** | | | | | | | | | | |
| **18** | **Others, if any**<br>**a) Bayer Fellowship (M.Sc.) (Ag.)** | -- | -- | 01 | 84,000 | 01 | 84,000 | 02 | 1,68,000 | 02 | 1,68,000 |
| | **b) Bayer Fellowship (Ph.D) (Ag.)** | -- | -- | 01 | 1,20,000 | 01 | 1,20,000 | 02 | 1,20,000 | 02 | 1.20,000 |
| | **c) ANGRAU Stipend** | | | | | | | | | | |
| **19** | **State Post – Matric Scholarship to BC-E** | | | | | | | | | | |
| **20** | **Inspire Fellowship for Ph.D. Students** | | | | | | | | | | |
| **21** | **Rajiv Gandhi Fellowship for Ph.D. Students** | | | | | | | | | | |
| **22** | **State scholarship to Scheduled castes** | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **23** | **State scholarship to scheduled tribes** | | | | | | | | | | |
| **24** | **State scholarship to Backward castes** | | | | | | | | | | |
| **25** | **State scholarship to Minority** | | | | | | | | | | |
| **26** | **State scholarship to Kapu welfare Department** | | | | | | | | | | |
| **27** | **State Scholarship to EBC** | | | | | | | | | | |
| **28** | **ICAR – JRF Scholarship** | | | | | | | | | | |
| **29** | **ICAR – SRF Scholarship** | | | | | | | | | | |
| **30** | **State Merit Scholarship** | | | | | | | | | | |

**6.6.6.2. Extra and Co-curricular Activities: (***Whether the sports/games/cultural activities/NSS/NCC programmes are being organized? If yes, then give the list of events in last five years in tabular form. Participation of students in ICAR sponsored events (Agri-unifest/Agri-sports/any other) and award/medals received in last five years may be given in Tabular form. How the students practice sports and games daily?*)

Besides education, the ANGRAU gives importance to co-curricular activities to have an overall personality development of the students and its employees. The University level competitions in games, sports and cultural activities are conducted annually to teaching and non-teaching staff along with the students of ANGRAU. Also the students are attending the NCC and NSS camps regularly. The participation of students in the extra and co-curricular activities & in NSS/NCC activities during the last five years is provided below.

**a) NSS activities:**

**2015-'16**: The NSS volunteers of various colleges actively participated in NSS Camps during the year. The NSS activities included planting of ornamental and tree plants, Agricos Green, sanitation programmes, awareness programmes on Health & Hygiene and AIDS, blood donation programmes, vaccination to animals, rodent control, parthenium eradication in public places and Clean & Green programmes, etc.

The NSS special camps of about ten days duration were organized for the students of all the final year Undergraduate and Diploma programmes. The details of the NSS special camps attended by the students during the year 2015-16 are given below.

**Table 31. NSS Special Camps Attended by the Students of ANGRAU during 2015-'16**

| Name of the College | Venue | Duration of Special Camp | | No. of Students Attended |
|---|---|---|---|---|
| | | From | To | |
| Agricultural College, Bapatla | Naduru(V), Ponnur(M), Guntur dist. | 07.01.16 | 13.01.16 | 169 |
| S.V. Agricultural College, Tirupati | Kuppambadur(V), Ramachandrapuram(M), Chittoor dist. | 07.01.16 | 13.01.16 | 133 |
| Agricultural College, Naira | Kistappapeta(V). Srikakulam Rural (M) Srikakulam dist. | 17.11.15 | 23.11.15 | 100 |
| Agricultural College, Mahanandi | Thimmapuram (V) Mahanandi (M) Kurnool dist. | 04.11.15 | 10.11.15 | 66 |
| Agricultural College, Rajahmahendravaram | Pushkar Ghat, Rajamahendravaram East Godavari dist. | 14.07.15 | 20.07.15 | 50 |
| Dr. N.T.R. College of Agril. Engg., Bapatla | Maruproluvari Palem (V), Bapatla (M) Guntur dist. | 26.2.16 | 03.3.16 | 78 |
| College of Agril. Engineering, Madakasira | Amidalagondi (V) Madakasira (M) Anantapuramu dist. | 28.03.16 | 04.04.16 | 113 |
| Dr. N.T.R. College of Food Science & Tech., Bapatla | Dundivaripalem (V) Karlapalem (M) Guntur dist. | 25.02.16 | 02.03.16 | 48 |
| College of Food Science and Technology, Pulivendula | -- | -- | -- | -- |
| College of Home Science, Guntur | Gorlavanipalem (V) Guntur City, Guntur dist. | 14.03.16 | 20.03.16 | 40 |

The students of different Colleges of the University actively participated and worked in the programmes like tree plantation, rodent control, soil sample collection / socio-economic survey, laying of roads, identification of pests and diseases and their control, and diet survey for the social awareness etc.

**2016-'17:**

The NSS volunteers of various colleges actively participated in NSS Camps during the year. The details of the NSS special camps attended by the students during the year 2016-17 are given below.

**Table 32. NSS Special Camps Attended by the Students of ANGRAU during 2016-'17**

| Name of the College | Venue | Duration of Special Camp | | No. of Students Attended |
|---|---|---|---|---|
| | | From | To | |
| Agricultural College, Bapatla | Gundlapalli (V) Maddipadu (M) Prakasam dist.<br>Pedavadlapudi (V) Mangalagiri (M) Guntur dist. | 02.01.17<br>03.01.17 | 08.01.17<br>09.01.17 | 79 boys<br>128 girls |
| S.V. Agricultural College, Tirupati | Paidipalli (V) Tirupati Rural (M) Chittoor dist. | 17.01.17 | 23.01.17 | 140 |
| Agricultural College, Naira | Kasimvalasa (V). Srikakulam (M) Srikakulam dist. | 22.10.16 | 28.10.16 | 100 |
| Agricultural College, Mahanandi | Thimmapuram (V) Mahanandi (M) Kurnool dist. | 01.10.16 | 07.10.16 | 73 |
| Agricultural College, Rajamahendravaram | Dommeru (V) Kovvur (M) West Godvari dist. | 13.11.16 | 19.11.16 | 50 |
| Dr. N.T.R. College of Agril. Engg., Bapatla | Pothuraju Kothapalem (V) Bapatla (M) Guntur dist. | 16.02.17 | 22.02.17 | 71 |
| College of Agril. Engg., Madakasira | Gundumala (V) Madakasira (M) Anantapuramu dist. | 22.03.17 | 28.03.17 | 144 |

| | | | | |
|---|---|---|---|---|
| Dr. N.T.R. College of Food Science & Tech., Bapatla | Bidarudibba (V) Karlapalem (M) Guntur dist. | 15.02.17 | 21.02.17 | 48 |
| College of Food Science & Tech., Pulivendula | Brahmanapalle (V) Kalasapadu (M) YSR Kadapa dist. | 13.07.16 | 17.07.16 | 74 |
| College of Community Science, Guntur | Gorlavanipalem (V) ("Youth for Community Health") Thatikonda (M) Guntur dist. | 14.03.2016 | 20.03.2016 | 40 |
| College of Community Science, Guntur | Cheguru (V) ("Learn to Mediate") Nandigama (M) Guntur dist. | 23.04.2016 | 27.04.2016 | 2 |

**2017-'18:**

The details of the NSS special camps attended by the students during the year 2017-18 are provided below.

**Table 33. NSS Special Camps Attended by the Students of ANGRAU during 2017-'18**

| Name of the College | Venue | Duration of Special Camp | | No. of Students Attended |
|---|---|---|---|---|
| | | From | To | |
| Agricultural College, Bapatla | Mopidevi (V) Mopidevi (M) Krishna dist. | 27.10.17 | 02.11.17 | 128 (Girls) |
| | Kothapatnam (V) Kothapatnam (M) Prakasam dist. | 28.10.17 | 03.11.17 | 79 (Boys) |
| S. V. Agricultural College, Tirupati | Pidipalli (V), Tirupati, Rural (M) Chittoor dist. | 21.09.17 | 27.09.17 | 133 |
| Agricultural College, Naira | Thandyamvalasa (V) Srikakulam (M) Srikakulam dist. | 04.10.17 | 10.10.17 | 85 |
| Agricultural College, Mahanandi | Mahadevapuram (V) Sirvel (M) Kurnool dist. | 23.10.17 | 29.10.17 | 73 |

| | | | | |
|---|---|---|---|---|
| Agricultural College, Rajamahendravaram | Rajavolu (V) Rajamundry (R)<br>East Godavari dist. | 23.10.17 | 29.10.17 | 50 |
| Dr. N.T.R. College of Agril. Engg., Bapatla | Pinniboinavaripalem (V),<br>Bapatla (M)<br>Guntur dist. | 16.03.18 | 22.03.18 | 69 |
| College of Agril. Engg., Madakasira | Bullasamudram (V)<br>Madakasira (M)<br>Anantapuramu dist. | 03.02.18 | 09.02.18 | 147 |
| Dr. N.T.R. College of Food Science & Tech., Bapatla | Pinniboinavaripalem (V),<br>Bapatla (M)<br>Guntur dist. | 20.02.18 | 26.02.18 | 59 |
| College of Food Science & Tech., Pulivendula | Brahmanapalle (V)<br>Kalasapadu (M)<br>YSR Kadapa dist. | 24.10.17 | 30.10.17 | 26 |
| College of Home Science , Guntur | Vejendla (V) Chebrolu (M)<br>Guntur dist. | 02.02.18 | 08.02.18 | 27 |

**2018-'19:**

The details of the NSS special camps attended by the students during the year 2018-19 are provided below.

**Table 34. NSS Special Camps Attended by the Students of ANGRAU during 2018-'19**

| Name of the College | Venue | Duration of Special Camp | | No. of Students Attended |
|---|---|---|---|---|
| | | From | To | |
| Agricultural College, Bapatla | Gummadidurru (V)<br>Penuganchiprolu (M)<br>Krishna dist. | 30.10.18 | 05.11.18 | 100 (Boys) |
| | Sivarampuram (V)<br>Mopidevi (M) Krishna dist. | 31.10.18 | 06.11.18 | 150 (Girls) |
| S. V. Agricultural College, Tirupati | Kothasanambatla (V)<br>Chandragiri (M) Chittoor dist. | 09.11.18 | 15.11.18 | 133 |
| Agricultural College, Naira | Thandyamvalasa and Bhyri (V)<br>Srikakulam (M)<br>Srikakulam dist. | 24.10.18 | 30.10.18 | 85 |
| Agricultural College, Mahanandi | Bukkapuram (V)<br>Mahanandi (M)<br>Kurnool dist. | 12.11.18 | 18.11.18 | 73 |

| | | | | |
|---|---|---|---|---|
| Agricultural College, Rajamahendravaram | Unguturu (V), Unguturu (M) West Godavari dist. | 22.10.18 | 28.10.18 | 50 |
| | Nidigatla (V) Korukonda (M) East Godavari dist. | 12.11.18 | 18.11.18 | 50 |
| Dr. NTR College of Agril. Engg., Bapatla | Pandurangapuram (V) Bapatla (M) Guntur dist. | 08.02.19 | 14.02.19 | 69 |
| College of Agricultural Engineering, Madakasira | Chandhakacherala (V) Madakasira (M), Anantapuramu dist. | 24.02.19 | 02.03.19 | 147 |
| Dr. NTR College of Food Science and Technology, Bapatla | Pinniboinavari Palem (V) Bapatla (M) Guntur dist. | 21.02.19 | 27.02.19 | 59 |
| College of Food Science and Technology, Pulivendula | Brahmanapalli (V) Kalasapadu (M) YSR Kadapa dist. | 30.12.18 | 05.01.19 | 26 |
| College of Home Science, Guntur | Thakkelapadu (V) Jaggayyapeta (M) Krishna dist. | 06.02.19 | 12.02.19 | 27 |

**2019-'20:**

The details of NSS Special camps conducted in ANGRAU during 2019-'20 are presented here.

**Table 35. NSS Special Camps Attended by the Students of ANGRAU during 2019-'20**

| Name of the College | Venue | Date | | No. of Students attended |
|---|---|---|---|---|
| | | From | To | |
| Agricultural College, Bapatla | Jonnalagadda (V) of Guntur Rural (M) & Thathireddipalem (V) of Tadikonda (M) Guntur District | 19.06.19 | 25.06.19 | 88 |
| | G N Palem (V) and NM Varipalem (V) Karlapalem (M) Guntur dist. | 30.10.19 | 05.11.19 | 200 |
| S. V. Agricultural College, Tirupati | Nandipalli (V) Badwel (M) YSR Kadapa dist. | 12.11.19 | 18.11.19 | 50 |
| | Kothasanambatla (V) Chandragiri (M) Chittoor dist | 16.11.19 | 22.11.19 | - |

| | | | | |
|---|---|---|---|---|
| Agricultural College, Mahanandi | Mahanandi (V) Mahanandi (M) Kurnool dist. | Every Saturday | | 115 |
| Agricultural College, Naira | Thandyam-valasa (V) Srikakulam (M) Srikakulam dist. | 16.11.19 | 22.11.19 | 53 |
| Agricultural College, Rajamahendravaram | Kirlampudi (V), Kirlampudi (M) East Godavari district | 11.11.19 | 17.11.19 | 50 |
| Dr. N.T.R. College of Agricultural Engineering, Bapatla | Poondla (V), Bapatla (M), Guntur dist. | 18.2.20 | 24.2.20 | 65 |
| Dr. N.T.R. College of Food Science & Technology, Bapatla | Perali (V) Karlapalem (M) Guntur dist. | 26.02.20 | 03.03.20 | 55 |
| College of Agricultural Engineering, Madakasira | Zilladakunta (V) Madakasira (M) Anantapuramu dist. | 19.02.20 | 25.02.20 | 42 |
| College of Food Science and Technology, Pulivendula | Akkulugari palle (V) Lingala (M) YSR Kadapa dist. | 30.12.19 | 05.01.20 | 16 |
| College of Community Science, Lam, Guntur | StateYouth Festival, at Gitam University, Visakhapatnam | 24.02.20 | 25.02.20 | 16 |



**Fig 29. Blood Donation Camp at Dr. N.T.R. College of Agricultural Engineering, Bapatla, monitored by Dr. V. Damodara Naidu, Ex-Hon'ble Vice Chancellor, ANGRAU**



Digging of pits for plantation



Smt.Jaya Lakshmi, Rural SP and Sri Prasad, ASP and Forest Officer inaugurating Phase II plantation programme



Plantation by Mr. Abel Lallafa the World Bank Team Member



Caring and tagging of plants by the students

**Fig 30. Participation of students in Agricos Green Programme**

**b) NCC activities:**

The NCC activities of ANGRAU are presented year-wise as follows.

**2015-'16**: On June 21st, 2015, thirty four NCC cadets of Agricultural College, Bapatla have participated in the International Yoga Day celebrations held at Guntur and received the appreciation certificates from Commander, NCC Unit, Tenali. The NCC Camps attended by the students during 2015-'16 are given below.

**Table 36. NCC Camps Attended by the Students of ANGRAU during 2015-'16**

| Name of the College | Camp | Venue | Date | No. of Cadets Attended |
|---|---|---|---|---|
| S. V. Agricultural College, Tirupati | Combined Annual Training Camp –XIII | Gurukul Complex, NCC Nagar, Tirupati | 01.02.16 to 12.02.16 | 32 |
| | Weapon Training Camp | NCC Nagar, Tirupati | 21.02.16 to 26.02.16 | 13 |
| Agricultural College, Bapatla | International Yoga Day | Guntur | 21.06.15 | 34 |
| | Combined Annual Training Camp –VII | Ongole | 19.03.16 to 28.03.16 | 19 |
| | Zonal NCC Shooting Coaching Capsules Camp | Kendriya Vidyalaya, Ongole | 13.05.16 to 22.05.16 | 07 |

**2016-17:**

Fifty NCC cadets of S V Agricultural College, Tirupati attended AISCCON National Conference at Tirupati held from 23rd of November to 24th of November, 2016. As many as fifty one students of the ANGRAU got 'B' certificate and eleven students obtained 'C' certificates in NCC during the year 2016-17. The NCC Camps attended by the students during the year are detailed below.

**Table 37. NCC Camps Attended by the Students of ANGRAU during 2016-'17**

| Name of the College | Camp | Venue | Date | No. of Cadets Attended |
|---|---|---|---|---|
| S. V. Agricultural College, Tirupati | Combined Annual Training Camp (CATC)-XII | Gurukul Complex, NCC Nagar, Tirupati | 01.10.16 to 11.10.16 | 13 |
| | All India Trekking Expedition APTREK-II | Kalyani Dam, Tirupati | 09.01.17 to 16.01.17 | 05 |
| | Combined Annual Training Camp (CATC)-XIII | Gurukul Complex, NCC Nagar, Tirupati | 17.02.17 to 26.02.17 | 02 |
| Agricultural College, Bapatla | Annual Training Camp | Chilumuru | 03.10.16 to 12.10.16 | 19 |

**2017-'18:**

Five NCC cadets of Agricultural College, Bapatla have participated in Annual Training Camp (ATC)-IV held at K L University, Vaddeswaram from 19-05-2018 to 28-05-2018 and received the participation certificates from 22Bn Tenali.

As many as twenty one students of the ANGRAU obtained 'C' certificates and one student got 'B' certificate in NCC during the year 2017-18. The NCC Camps attended by the students during the year are detailed below.

**Table 38. NCC Camps Attended by the Students of ANGRAU during 2017-'18**

| Name of the College | Camp | Venue | Date | No. of Cadets Attended |
|---|---|---|---|---|
| S. V. Agricultural College, Tirupati | Combined Annual Training Camp (CATC) - III | Tirupati | 12.06.17 to 21.06.17 | 08 |
| | Combined Annual Training Camp (CATC) – III | Kadapa | 12.06.17 to 21.06.17 | 04 |

| | | | | |
|---|---|---|---|---|
| | Combined Annual Training Camp (CATC) – XII | Tirupati | 27.10.17 to 05.11.17 | 03 |
| Agricultural College, Bapatla | Combined Annual Training Camp (CATC) -V | VRS & YRN College, Chirala | 05.09.17 to 14.09.17 | 04 |
| | Combined Annual Training Camp (CATC)-VI | Chilumuru | 21.09.17 to 30.09.17 | 05 |

**2018-'19:**

As many as fifteen students of the ANGRAU obtained 'C' certificates and thirty five students got 'B' certificate in NCC during the year 2018-19. The NCC Camps attended by the students during the year are detailed below.

**Table 39. NCC Camps Attended by the Students of ANGRAU during 2018-`19**

| Name of the Colleges | Camp | Venue | Date | No. of Cadets Attended |
|---|---|---|---|---|
| S.V. Agricultural College, Tirupati | Combined Annual Training Camp (CATC-XIII) | Chittoor | 17.10.18 to 26.10.18 | 20 |
| S. V. Agricultural College, Tirupati | Army Trekking Camp (ATC) | NCC Nagar, Tirupati | 20.10.18 to 27.10.18 | 15 |

**2019-'20:**

Dr. P. Karthik Reddy, Assistant Professor, Department of Horticulture has got the approval of Competent Authority for the grant of commission in NCC with No. NCC/01110307 with Lieutenant Rank.

**Table 40. NCC Camps Attended by the Students of ANGRAU during 2019-`20**

| Name of the Colleges | Camp | Venue | Date | No. of Cadets Attended |
|---|---|---|---|---|
| S.V. Agricultural College, Tirupati | CATC-VI | NCC Nagar, Tirupati | 17.07.19 to 26.07.19 | 11 |
| S. V. Agricultural College, Tirupati | CATC- XI | Secunderabad | 16.11.19 to 25.11.19 | 03 |
| S.V. Agricultural College, Tirupati | CATC-XIII | Kadapa | 15.12.19 to 24.12.19 | 01 |
| S. V. Agricultural College, Tirupati | CATC-XIV | Kadapa | 12-02-19 to 21-02-19 | 20 |

**c) Participation of students in ICAR sponsored/other Events**

**2015-'16**:

- **16th All India Inter Agricultural University meet (22-26 February, 2016) at Coimbatore, TNAU**: Students from Agricultural College, Rajamahendravaram (1); Agricultural College, Mahanandi (6); College of Agricultural Engineering, Madakasira (2); S.V. Agricultural College, Tirupati (4); Dr. N.T.R. College of Agricultural Engineering, Bapatla (1) have participated.
- **International Youth Festival cum Seminar organized by Shri Ram Chandra Mission (23**-27, 2016 at Kanha Shanti Vanam Ashram, Chegur village, Mahboobnagar, Telangana): One student from Agricultural College, Rajamahendravaram had participated.

**2016-'17**

- **17th All India Inter Agricultural Universities Sports & Games Meet, 2016-'17 at CCS, Haryana Agricultural University, Hisar from 25-29 March 2017:** A total of 31 students from different colleges of ANGRAU have participated.
- **Soft Ball Senior State Meet, Jangareddygudem:** One student from Agricultural College, Bapatla participated and won 1st Prize and selected for senior National's team.

- **National Women Parliament-2017 at Pavitrasangamam, Vijayawada on 10-11 February, 2017:** Five students of College of Agricultural Engineering, Bapatla have participated.
- **NSS Youth Festival at Adikavi Nannaya University, Rajamahendravaram (January 2017):** One student from College of Agricultural Engineering, Madakasira has participated.
- **Participation by students of College of Community Science, Guntur**

  i) State level elocution competition conducted by the Department of Women Development and Child Welfare, Government of A.P on topic "Role of students in creating Nutrition awareness" on 18.8.16,

  ii) Three day (10.02.17 to 12.02.17) National conclave –"National Women's Parliament" at Amaravathi, Andhra Pradesh,

  iii) AGRIUNIFEST–2017 held at RAJUVAS (Rajasthan University of Veterinary and Animal Sciences), Bikaner, Rajasthan from 22.02.17 to 25.02.17 and

  iv) "Yuvajanotsavam-2016" organized by Sri. Gogineni Kalaniketan at RVRR Vidya Kalasala, Guntur on 15.10.16

**2017-'18:**

- **XVIII ICAR All India Inter Agricultural Universities Meet at UAS, GKVK, Bangalore (26 to 31January 2018):** Students of College of Agricultural Engineering, Bapatla (4); Agricultural College, Rajamahendravaram (3); S.V. Agricultural College, Tirupati (6); College of Community Science (3) have participated in the Meet.

- **Agri-Unifest 2017-'18 at S.V. Agricultural College, Tirupati (06.02.2018 to 16.02.2018):** Students from Agricultural College, Rajamahendravaram (1); Agricultural College, Naira (1); College of Community Science (8) have participated.
- **NSS National Youth Festival at S.V. V. University, Tirupati:** One student from Agricultural College, Naira had participated.
- **PRABHANDHANA (National Level Management Meet) at TNAU, Coimbatore (23.02.2018 to 24.02.2018):** Nine students from IABM, Tirupati have participated and six students have bagged prizes. Two students won first prize in financial game event, two students won third prize in marketing game event. In operations game event, two more students stood third among the participating groups of different SAUs.

**2018-'19:**

- **XIX All India ICAR Inter Agricultural Universities Meet 2018-'19 at Punjab Agricultural University, Ludhiana (02.01.2019 to 05.01.2019):** Students of Agricultural College, Bapatla (8); S. V. Agricultural College, Tirupati (5); Agricultural College, Naira (5); Dr. N.T.R. College of Agricultural Engineering, Bapatla (3); College of Agricultural Engineering, Madakasira (6); Dr. N.T.R. College of Food Science & Technology, Bapatla (3); College of Food Science and Technology, Pulivendula (2) had participated.
- **Agricultural College, Bapatla conducted ANGRAU 1$^{st}$ phase Inter Collegiate Sports, Games, Cultural and Literary Meet 2018-'19 from 3 to 6 October 2018.**
- **II phase of Intercollegiate Sports and Games Meet 2018-'19 was held at Agricultural College, Naira from 12 to 14 October 2018).**

- **Essay Writing Competitions by Heartfulneess Mediatation Ramachandra Mission, SVN Colongy, Guntur:** Students of Home Science College won prize on the topic "A mind of logic is like a knife all blade that makes the hand bleed that uses it".
- **XIX All India Inter-Agricultural Universities Youth Festival held at Sardarkrishninagar Dantiwada Agricultural University (SDAU), Gujarat 03-07 February 2019. :** Twenty two students of ANGRAU have participated.

**2019-'20:**

- XX All India Inter Agricultural University Sports Meet 2020 at S. V. Veterinary University (01.03.2020 to 05.03.2020): Students from different colleges of ANGRAU have participated.
- YUVA 2020 at GBPUAT, Pantnagar, Uttaranchal (20.02.2020 to 23.02.2020): Students of Agricultural College, Naira have participated.
- State Level NSS Youth Festival at GITAM University, Visakhapatnam (24-25 February 2020): Students of College of Community Science, Guntur participated at won second prize in painting.
- **AGRIUNIFEST- 2020 at Indira Gandhi Krishi Viswa Vidyalaya, Raipur, Chattisgarh (8 to 12 February 2020):** Twenty two students from ANGRAU have participated in various cultural activities.

**6.6.6.3. Health Facilities (***Provide the brief information about medical facilities available in the head quarter and off-campuses. A brief about Health Insurance scheme being implemented at the University may be provided*)

At collegiate level, health clinics are available for staff and students with a resident medical doctor and round the clock ambulance facility. First aid kits are available in all research stations/extension units and hired medical practitioners are available for regular monitoring of the health conditions. Frequent medical camps are being organized at Central and Regional stations (including colleges) for regular checkups to clientele. The Headquarters do not have a separate Health Unit in Lam, Guntur after bifurcation of State. However, the University has enrolled for EHS scheme and Health Cards are issued to all its employees, including pensioners. Both the teaching and non teaching staff is now eligible for cashless treatments in recognized hospitals in Andhra Pradesh and neighboring States. Sufficient budget is allocated to all the colleges and other ANGRAU centers to meet the basic medical requirements.

**6.6.6.4. Sports and Cultural Facilities (***Give detailed report of sports and games facilities and auditoriums available for cultural events*)

The following sports and cultural facilities are being provided at each of the constituent colleges of ANGRAU.

a) Agril College, Bapatla

- The sports, games, cultural and literary intramural and intercollegiate competitions will be held every year to encourage the staff members to participate in indoor games like caroms and chess, and outdoor games (like cricket, basketball, ball badminton). The staff members also participate actively in literary competitions like essay writing, elocution, and debate and cultural competitions like mono action, skit, mime, drama and singing which promote group activity and interpersonal relations. The campus also

organizes elocution, essay writing and group discussions on special occasions like birthday celebrations of National cadres. The college is having a beautiful auditorium in the name of Dr. B.V. Nath, founder of the college in which the cultural activities are performed. The sports, games, cultural and literary competitions held regularly in the college improve leadership skills among the students and help in developing their co-curricular activities which help them development of overall growth, team spirit and also academic persistence.

- The students of the college are motivated and encouraged to participate in national and inter university competition of sports and games which helps them to develop sportsmen spirit and understanding the various cultures and ethics. The students of the college are also taken on study tours to visit different places during their stay in the college.
- Outdoor shuttle courts are also available at Diamond Jubilee block, First year students block and New PG hostel
- Many Indoor games and gym facilities are also available at college level and the hostels. The following Indoor games and recreation facilities are arranged in the Common Multipurpose Indoor Games & Sports Stadium constructed during 2015 in the college.

    a) The outdoor facilities include pavilion, well maintained fields /grounds exclusively for cricket, football and hockey, four ball-badminton courts, three volleyball courts and one Basketball court. The track facility is also available. The Gym room is well equipped and can accommodate 20 students at a time. The common Gym room is in addition to the Gym facilities available at Hostels.

- In addition, a well sophisticated multi-level gym bench available at the pavilion building is also catering to the physical fitness needs of the boarders.
- Specialized trainers such as a) Assistant Professor (Physical Education); b) Physical Assistants; c) Outsourcing staff for boys and girls separately; d) Field workers are available, to help the students and faculty in organizing various events.
- The Dept. of Physical Education offers a course to 1$^{st}$ year B.Sc. (Ag) with title "Physical Education (COCA-100) (0+1 credits), which is purely a practical based course with the main objective of improving the physical skills and fitness of the students with standard rules and regulations.



**Fig 31. Dr. A. Vishnuvardhan Reddy, Hon'ble Vice Chancellor, ANGRAU inaugurated the Open Gym at Agricultural College, Bapatla**

b) S.V. Agricultural College, Tirupati

- Adequate facilities for outdoor and indoor sports and games are available at S.V. Agricultural College, Tirupati. They include, Shuttle Badminton court, Volley Ball court, Basket ball court, Ball badminton court, Cricket Ground, Foot ball ground and Tennicoit court (outdoor) and TT, Caroms and Chess (indoor).
- The Physical Education department looks after the sports, games and other facilities to the students in the college. The total area of sports and games field is 10 acres and has playgrounds with provision for multiple games such as athletics, cricket, foot ball, hockey, volley ball, basket ball etc. The grounds are being very well maintained regularly for the students to play different games. Facilities are provided for regular training and practice of sports and games to all the students.
- Intra college and inter college games and sports competitions are organized regularly every year for students. Students are specially trained for participation in University and Inter University, National Youth festival competitions organized by various institutions / Universities etc.
- Students of this college took part and won several medals, rolling shields, special prizes in Inter collegiate, All India Inter–University, All India Inter Agril. University (South zone) games and sports competitions such as cricket, badminton, table tennis, volley ball, athletics during the last eight years. Our students also participated in youth festivals and bagged meritorious medals.
- The College has an open air auditorium which facilitates smooth conduct of common events with a seating capacity of 1000. All the college functions such as Independence day, Republic Day, NSS Day, NCC day; College Day, Hostel Day, etc. are being

conducted at open air auditorium. However, a new indoor auditorium with a seating capacity of 800 with latest facilities is sanctioned by the University and the construction is in progress.

c). Agricultural College, Mahanandi

The Agricultural College, Mahanandi is having adequate facilities for outdoor sports and games. Separate facilities are available for boys and girls.

- For boys, cricket ground (1); football court (1); Venue for long jump (1); 400 m and 100 m running track (1 each); cricket practice pitch along with fencing (1); basket ball court (1); ball badminton courts (2); volley ball courts (2); shuttle courts (1); Indoor gym (1) are available.
- For girls, ball badminton court (1); volley ball court (1); tennicoit court (1); Indoor gym (1); outdoor gym (1); etc were developed.
- There is no auditorium available in the college campus.

d) Agricultural College, Naira

1) Cultural Centre:
    - The College does have an active Cultural Centre involving both boy and girl student communities, organizes various cultural and literary events during several state and national functions as well as during the college level functions.
    - The students are encouraged to actively participate in all the events, including literary activities. The students are also trained to participate in several cultural and literary events outside the campus during inter collegiate and inter university competitions, besides district level events.

- The students of the College bagged several prizes and acclaims for their excellent performance showcased in several occasions. The students also had a chance to visit some prestigious institutes in South India during their educational tour and acted as cultural ambassadors from ANGRAU. Some State and National level Sports & Cultural events in which the students participated during the reporting period (2015 – 2020) were furnished hereunder.
- Cultural and literary events: YUVA 2020; 1st phase sports garmes, cultural & literary meet; district level inter collegiate debate competitions under Garimella Foundation; Agri Carnival; Agri UNIFEST; etc.
- Sports & Games: Intercollegiate sports annually from 2015 to 2020
- Educational Tours and other events: Educational tour to South India (2019); Educational tour to North Coastal Zone (2017-'18; 2018-'19; & 2019-'20); Visit to Plant Quarantine station (2017, 2018 & 2019).
- Other cultural events such as a) International Yoga Day (21st June-annually); Yoga training programme (22.05.2018 to 05.06.2018); Celebrations of birth anniversary of Acharya N. G. Ranga on November 1st-annually; Sri Potti Sriramulu Jayanthi (16th March-annually); Sri Alluri Sitaramaraju Jayanthi-State Festival; Sri Potti Sriramulu Vardhanti on December 15th –annually; etc.

2) Sports and recreation facilities:

- The College does have play grounds, basket ball courts, state of the art gymnasia and a Physical Director on roll for imparting training to the students in the games and sports. Justifiably, the students of the College have excelled equally well also in games,

literary and cultural activities and could secure many a prize, medal and distinction in various University, State and National Level Meets.

- Recently one open Gym facility is added to the existing indoor gym. Also, there is a Course on Physical Education (COCA 100) in the Course Curricula.
- Basket ball court, Cricket and Football playgrounds, Table Tennis Boards, Shuttle court, Volley ball court, Athletics track are available and majority are inadequate with the increasing students' strength.
- An Indoor stadium and permanent track for athletics are not available. Play grounds need further development, pavilion and turf pitch are required.

3) No auditorium is available in the college.

e) Agricultural College, Rajamahendravaram

- The indoor and outdoor facilities available with SKVT College are utilized by the students of Agricultural College, Rajamahendravaram. SKVT college campus has a outdoor facilities like Cricket, Foot ball, basket ball, shuttle badminton, Ball badminton, Volley ball courts and TT board, Chess, Carroms and other indoor facilities.
- The Agricultural College is utilizing the Open auditorium and indoor facility available with SKVT college for the functions like College day, Hostel Day, Fresher's day, Farewell day and all other occasions.

f) Dr. N.T.R. College of Agricultural Engineering, Bapatla

- Boys Hostel is having a well equipped Gym for improving the fitness of the students.
- The infrastructural facilities available for sports and games are a) Pitch for cricket, b) ground for football, c) one outdoor court (separate for boys and girls) for ball badminton, d) two volley ball courts (separate for boys and girls), e) shuttle badminton courts, f)

tennicoit courts for girls, g) four indoor carom boards (separate for boys and girls), and h) five indoor chess boards.

- A well-equipped Gym is available in the college campus
- Auditorium: Ground floor of the Library is having an Auditorium to accommodate about 150 students.

g) College of Agricultural Engineering, Madakasira

- A Cultural Center is established as a full-fledged central hub of activities for the students of College of Agricultural Engineering, Madakasira to utilize leisure time of the students in the best possible manners by providing various facilities for their knowledge, comfort and relaxation. Students are trained on various cultural activities like singing, dancing, mono action etc. Students are motivated to participate in various art exhibition competitions and literary events like drawing, cartooning, rangoli, quiz, debate, essay writing, extempore etc. at College level, Regional level, University level and Inter-University level. Students of College of Agricultural Engineering, Madakasira have succeeded very well in cultural activities during last five years.
- To provide a healthy physical environment to the students, the college has play fields over an area of 10 acres. Facilities are available for indoor and outdoor activities which include athletic track, outdoor court for ball badminton, one cricket pitch, one well equipped gym, two table tennis boards, two volley ball courts (both separate for boys and girls), two shuttle badminton courts (separate for boys and girls), one tennicoit court, two indoor carom boards (separate for boys and girls) and four indoor chess boards.
- It has an auditorium with seating capacity of 200 persons for organizing meetings, functions, seminars and other activities for students. Art exhibitions are also being

arranged for students and staff from time to time. An internet facility with interactive board facility is also available for the students in the auditorium.

h) Dr. N.T.R. College of Food Science and Technology (CFST), Bapatla

- Cultural Center**:** The Cultural Center at Dr. N.T.R. CFST, Bapatla is evolved as a full fledged central hub of activities for students to participate whenerver there is time for their disposal. An auditorium with a seating capacity of 200 persons is available and facilitates hosting meetings, functions, seminars and other activities. Frequently, art exhibitions are conducted for the students and faculty. The auditorium enjoys a wifi internet connection with interactive board facility. Students have an opportunity to get trained or hone their cultural skills like singing, dancing, mono action etc and participate in competitions in many literary events like cartooning, drawing, rangoli, quiz, debate, essay writing, extempore etc. at college level, regional level, university level and inter university level. The students of Dr. N.T.R. CFST. Bapatla have succeeded in various cultural competitions during the last five years.
- Sports and Recreation Facilities**:** A new Volley ball court, ball badminton court and Basket ball court were constructed and are being used by the students.
- Two gyms area available one each at boys and girls hostel. Facilities for table tennis, caroms and chess playing area provided. Day to day sports and games are monitored by Physical Director and Officer In-Charge Student Activities. Yoga classes are conducted as part of the course curriculum and 15 days yoga coaching campaign (2018) was also conducted.
- Track for athletics, one cricket pitch, two carom boards, four chess boards and two table tennis tables separately for boys and girls are available in the campus.

i) College of Food Science and Technology, Pulivendula

- Cultural Center: The College welcomes all ethnic groups from India and outside India as well. The college celebrates all important festivals in the campus. However, the cultural center needs to be strengthened, for which sufficient funds are to be allocated.
- Sports and Games:
    - Indoor games: Students can train and participate in competition on game of carom, engage in a battle of minds by playing chess. The institute provides indoor game facilities for Table Tennis and Shuttle, also.
    - Out Door Games: The institute has adequate playground for outdoor games like Athletics, Cricket, Football, Tennikoit, Ball-badminton and Volleyball. Athletic Track Space for all field events like Javelin Throw, Shot put, Discus Throw, Jumps, etc.is available.
    - Gymnasium: Gym plays a very important role in making the professional life successful. An exclusive Multipurpose Bench is available for the students used for strengthening of muscles that supplies the energy in the events of Throws & Jumps. It provides an arena for the body builders and the students who wish to maintain their general health. A number of ultra-modern equipments are made available at the college.
    - Yoga Center: An exclusive facility is provided with a dedicated yoga for training both the Students and faculty.
- Badminton courts – 3 No; 2. Ball badminton courts- 2; Table Tennis Tables- 3; Chess Boards- 10; Caroms Boards- 6; Gym with Imported equipment; are the indoor sport facilities available

- The Outdoor sports facilities include, Cricket Ground; Football Ground; Volleyball Courts – 3;
- 200 m Track Corporate training for external members is provided by the National and All India Interuniversity Players in the Sports.
- Sports Feast: The students are encouraged to practice and participate in inter-collegiate, inter-university, State level, National level, All India Inter-University and Open competitions.
- Cultural Activities: Students clubs are established. Actively practice and participate in extra-curricular activities. Both the professional and the cultural clubs are hosted in an exclusive facility.

**j) College of Community Science, Lam, Guntur**

- Cultural Centre: The college celebrates both national and traditional festivals like Independence day, Republic day, fresher's day, annual day, farewell, Christmas eve, Dassara, Holi etc, in the campus where the students can showcase and refine their talents. However, the college needs to be strengthened with well equipped auditorium.
- With limited infrastructural facilities, students are participating and competing on par with other well established colleges in university and state level events like Intercollegiate Sports, Games, Cultural and Literary meet, AGRIUNIFEST, NSS State Level Youth Festival and won Prizes.
- To provide a healthy environment for students, the college has sufficient space for outdoor games spread in 2 acres of land. The existing facilities include
- **200 mts track and field events**.
- **Outdoor games facilities:** Volley ball, Shuttle badminton, Ball badminton, Tenni koit

- **Indoor game facilities**: Chess, Caroms, Table tennis
- **Physical fitness activities**: to improve Speed, Agility, Endurance, Strength, Flexibility,
- **Yoga and Aerobic:** exercises are being practiced by the students regularly under the guidance of the Physical Director of the college.

**Outdoor gym equipment:**

| Equipment | Purpose |
|---|---|
| Cross walker | Strengthens upper and lower body muscles, and improve joint flexibility. |
| Air walker | Strengthens upper and lower body muscles, and improve joint flexibility |
| Standing trunk twister | Strengthens upper and lower body muscles, and improve joint flexibility and reduce fat in trunk |
| Sit up bench | Strengthens abdominal muscles ( Core strength ) |
| Knee / hip raise | Enhance the muscle strength of upper limbs, shoulder, chest and the back |
| Seated chest pusher | Strengthens hand muscles, biceps, arm and front chest upper body part |

The college has well equipped outdoor gym for the students.



Students playing volleyball



Students playing in ball badminton



Students participated in athletics



Students participated in yoga



Students playing tennikoit



Students playing shuttle badminton



Students doing strength training in outdoor gym



Students playing table tennis

**Fig 32. Co-curriculars Activities**

**6.6.6.5. Student Counseling and Placement Cell:** (*Give detailed report on placement cell and provide the report for recruitment of students by firms in last five years. What is the mode and mechanism of counseling being followed at the University level*?)

The AHRD Project of the University has provided many student amenities of which, Student Counseling and Placement Cell looks after the employment opportunities of the students. The faculty Deans and Dean of Student Affairs at University level monitor the Student Counseling and Placement Cell that functions at College level. These Cells at College level act as liaison between the constituent colleges of ANGRAU and the public & private sector organizations/institutes that are in need of graduates in respective fields. The Cell facilitates the conducting of campus interviews by various organizations annually, by which the outgoing graduates seeking employment are benefitted.

The following are the recruitment details of students by different firms during the last five years in different constituent colleges of ANGRAU.

**Table 41. Placement Particulars of Constituent Colleges of ANGRAU**

| Year | No. of Outgoing Students | Public Sector | Private Sector | Banking Sector | Others (Higher Studies) | Total place ments | % to Outgoing students |
|---|---|---|---|---|---|---|---|
| **1. Agricultural College, Bapatla** | | | | | | | |
| U.G. | | | | | | | |
| 2015-‘16 | 199 | 71 | 19 | -- | -- | 90 | |
| 2016-‘17 | 227 | 11 | 0 | -- | -- | 11 | |
| 2017-‘18 | 224 | 24 | 0 | -- | -- | 24 | |
| 2018-‘19 | 235 | 21 | 0 | -- | -- | 21 | |
| 2019-‘20 | | | -- | -- | -- | | |
| P.G. | | | | | | | |
| 2017-‘18 | 52 | 19 | 15 | 1 | -- | 35 | |
| **Total (UG+PG)** | **937** | | | | | **181** | **19.3** |
| | | | | | | | |
| **2. S. V. Agricultural College, Tirupati** | | | | | | | |
| **UG** | | | | | | | |
| 2015-‘16 | 126 | 0 | 5 | 1 | **--** | **6** | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2016-‘17 | 139 | 0 | 19 | 0 | -- | **19** | |
| 2017-‘18 | 127 | 12 | 27 | 17 | -- | **56** | |
| 2018-‘19 | 57 | 0 | 28 | 0 | -- | **28** | |
| 2019-‘20 | 147 | 10 | 2 | 1 | -- | **13** | |
| **Total** | **596** | | | | | **122** | **20.5** |
| | | | | | | | |
| **3. Agricultural College, Naira** | | | | | | | |
| 2015-‘16 | 70 | 29 | 5 | 6 | -- | 40 | |
| 2016-‘17 | 74 | 33 | 5 | 5 | -- | 42 | |
| 2017-‘18 | 100 | 43 | 3 | 8 | -- | 54 | |
| 2018-‘19 | 80 | 55 | 2 | 0 | -- | 57 | |
| 2019-‘20 | 93 | 29 | 0 | 0 | -- | 29 | |
| **Total** | **417** | | | | | **222** | **53.2** |
| | | | | | | | |
| **4. Agricultural College, Mahanandi** | | | | | | | |
| 2015-‘20 | 62 | 78 | 125 | 25 | -- | | |
| 2016-‘17 | 70 | | | | | | |
| 2017-’18 | 70 | | | | | | |
| 2018-’19 | 70 | | | | | | |
| 2019-’20 | 45 | | | | | | |
| **Total** | **317** | | | | | **228** | **71.92** |
| | | | | | | | |
| **5. Agricultural College, Rajamahendravaram** | | | | | | | |
| 2015-‘16 | 40 | 15 | 8 | -- | -- | 23 | |
| 2016-‘17 | 48 | 6 | 7 | -- | -- | 13 | |
| 2017-‘18 | 41 | 0 | 20 | -- | -- | 20 | |
| 2018-‘19 | 51 | 15 | 4 | -- | -- | 19 | |
| 2019-‘20 | 45 | 21 | 4 | -- | -- | 25 | |
| **Total** | **225** | | | | | **100** | **44.4** |
| | | | | | | | |
| **6. Dr. N.T.R. College of Agricultural Engineering, Bapatla** | | | | | | | |
| 2015-‘16 | | -- | 35 | -- | -- | | |
| 2016-‘17 | | -- | 35 | -- | -- | | |
| 2017-‘18 | | -- | 26 | -- | -- | | |
| 2018-‘19 | | -- | 34 | -- | -- | | |
| 2019-‘20 | | -- | - | -- | -- | | |
| **Total** | | | | | | 130 | |
| | | | | | | | |
| **7. College of Agricultural Engineering, Madakasira** | | | | | | | |
| 2015-‘16 | 61 | -- | 10 | -- | -- | | |
| 2016-‘17 | 73 | -- | 5 | -- | -- | | |
| 2017-‘18 | | -- | 13 | -- | -- | | |
| 2018-‘19 | | -- | 13 | 3 | -- | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2019-‘20 | | -- | 15 | -- | **--** | | |
| **Total** | | | | | | | |
| | | | | | | | |
| **8. Dr. N.T.R. College of Food Science & Technology, Bapatla** | | | | | | | |
| 2015-‘16 | 47 | -- | 23 | -- | -- | 23 | |
| 2016-‘17 | 23 | -- | 18 | -- | -- | 18 | |
| 2017-‘18 | 35 | 4 | 7 | -- | -- | 11 | |
| 2018-‘19 | 47 | -- | 4 | -- | -- | 4 | |
| 2019-‘20 | 55 | -- | - | -- | -- | - | |
| **Total** | **207** | | | | | **56** | **27.1** |
| | | | | | | | |
| **9. College of Food Science & Technology, Pulivendula** | | | | | | | |
| 2015-‘16 | 28 | | 15 | -- | 10 | **25** | |
| 2016-‘17 | 14 | | 4 | -- | 5 | **9** | |
| 2017-‘18 | 24 | | 4 | -- | 5 | **9** | |
| 2018-‘19 | 31 | | 8 | -- | 3 | **11** | |
| 2019-‘20 | **--** | **--** | **--** | **--** | **--** | | |
| **Total** | **97** | | | | | **54** | **55.7** |
| | | | | | | | |
| **10. College of Community Science, Lam, Guntur** | | | | | | | |
| 2017 | 25 | 1 | 2 | | 12 | **15** | |
| 2018 | 27 | 2 | 2 | | 13 | **17** | |
| 2019 | 35 | 4 | -- | | 21 | **25** | |
| **Total** | **87** | | | | | **57** | |
| | | | | | | | |
| **11. Advanced Post Graduate Centre, Lam, Guntur** | | | | | | | |
| **2016** | | | | | | **11** | |
| **2017** | | | | | | **4** | |
| **2018** | | **6** | | | | **6** | |
| **2019** | | **9** | | | | **9** | |
| **Total** | | | | | | **30** | |
| | | | | | | | |

**6.6.6.6. Disabled Friendly Facilities (***What kind of facilities is available for differently abled persons in the campus? Give a brief report*)

Presently, in the constitutent colleges of ANGRAU, the following facilities are available.

a) Disabled friendly rest room in the newly constructed boys and girls hostels at colleges (eg. Dr. NTR CAE, Bapatla and others)

b) Ramp facilities for convenience of the differently challenged persons are provided in boys and girls hostels besides in college buildings.

With the implementation of "Institutional Development Plan (IDP)" under NAHEP of ICAR, the University is adopting "Equity Action Plan (EAP)" to ensure that all students and faculty in the project institutions (selected colleges) have equal opportunity to avail the benefits of the project with substantial improvement in the performance of students with special attention to the needy, differently challenged and SC & ST categories. The EAP prepared by the Education Division, ICAR and Indigenous People's Policy Framework (IPPF) is strictly adhered to while implementing the IDP project. One of the important measures that are taken into consideration while implementing EAP include transformation of college campuses physically and socially gender friendly.

ANGRAU is moving more physically friendly for differently challenged students in considering provision of a) appropriate infrastructure, b) demarked parking space in main campus and at constituent colleges, c) provision of more ramps, special toilets, etc.

### 6.6.7. INFRASTRUCTURE

**6.6.7.1. Physical facilities including administrative building and lands:** (*Give comprehensive report on the administrative buildings, academic blocks, college research units, instructional farms, seed production units etc. for each College and University Head Quarter*)

The details of physical facilities available in different constituent colleges of ANGRAU and at administrative office, Guntur are provided below.

**Administrative Office:**

- Total extent of land: Ac 102.90 Cents
- Buildings constructed

| Name of the Building | Plinth Area ( in sft. ) | Estimate cost (in Rs. Crore) | Year of Construction |
|---|---|---|---|
| Faculty Block | 16,738 | 5.95 | 2018 |
| Girls Hostel | 21,549 | 4.00 | 2020 |
| Boys Hostel | 22,174 | 4.00 | 2020 |
| Integrated Administrative Building (IAB) | 2,25,000 | 102.53 | In progress |
| Main Roads | -- | 5.85 | In progress |



**Fig 33. Integrated Agriculture Building under Construction at ANGRAU HeadQuarters, Lam, Guntur**

The physical facilities available at different colleges of ANGRAU are as follows.

**a) Agricultural College, Bapatla**

The accommodation facilities, mess availability, sports and other amenities available at Agricultural College, Bapatla are presented hereunder.

**Table 42. Accommodation details at Niveditha Girls Hostel Complex, Agricultural College, Bapatla**

| S. No. | Name of the Hostel | UG/PG | Number of Rooms | Students per room | Total Capacity |
|---|---|---|---|---|---|
| 1 | Diamond Jubilee block | UG 1st year | 34 | 5 | 169 |
| 2 | Old Niveditha block Ground floor | UG 2nd year | 15 | 5/6 | 80 |
| 3 | New Niveditha block | UG - 2nd year | 12 | 4/6 | 70 |
| 4 | III year block | UG 3rd year students | 30 | 4/5 | 143 |
| 5 | New Niveditha Block | UG Final year students | Common Hall | 10 | 10 |
| 6 | Doctor quarters | UG Final year students | 3 | 4 | 12 |
| 7 | New P.G block | P.G, Ph.D and Final year UG students | 26 | 4/7 | 137 |
| Total | | | 120 | | 621 |

**Table 43. Mess & other facilities at Agricultural College, Bapatla**

| S. No. | Name of the Facility | Total Capacity |
|---|---|---|
| 1. | Hostel Office (2 rooms) | 5 |
| 2. | Mess (U.G. mess and P.G. mess) | |
| | i) U.G mess<br>2nd year B. Sc. (Hons) Agriculture students - 150<br>3rd year B. Sc. (Hons) Agriculture students – 143<br>4th year B. Sc. (Hons) Agriculture students (ELP) - 79 | 372 |
| | ii)P.G. Mess<br>1st year B. Sc. (Hons) Agriculture students -169<br>P.G. &Ph.D. students - 80 | 249 |
| 3. | Reading rooms : 3 no (2 in Diamond jubilee block, 1 in New PG hostel) | 105 |
| 4. | T.V rooms: 2 no (III year block -1 T.V. room and P.G. block -1 T.V. room) | 50 |
| 5. | Recreation facilityfor Girls– Indoor games and Gym consisting of | 20 |

| | | |
|---|---|---|
| | Table Tennis, Carroms, Chess, Bicycle and Treadmill for exercise purpose) | |
| 6. | R.O. Water Plant facility for generating 500 liters of water | 1 |
| 7. | Ambulance facilitywith driver (24X7) | 1 |
| 8. | Kirlosker 8.2 KV Generator | 1 |
| 9. | Water Dispensers | 9 |
| 10. | 25 LElectrical Gysers | 10 |
| 11. | 162.5kva DG set Kirloskar Generator | 1 |
| 12. | Water cooler 80/80 | 4 |
| 13. | Chest freezers | 2 |

**Indoor games, recreation facility, emergency medical facility, hostel cleaning procedures etc.**

- Indoor games and gym facilities (Table Tennis, Carroms, Chess, Bicycle and Treadmill for exercise purpose) serving the recreation needs are available in the colleges. Outdoor shuttle courts are also available at Diamond Jubilee block (1st year block and New PG hostel)
- Apart from the recreation facilities at girl's hostel, Indoor games and other recreation facilities are available at the common multi-purpose indoor games & sports stadium of the college.
- With regards to entertainment of the students boarders' TV room with local cable TV network is being maintained in the hostels.
- For any medical emergency the full-time health facility with a part time residential physician is available in the campus. 24X7 ambulance facility along with driver is available for the boarders.
- For cleaning of rooms and wash areas, proper sanitation and disinfection procedures are being followed.

- Mess and cooking facilities: A well maintained renovated kitchen facilities with good hygienic food preparation are available for serving UG and PG students separately.
- Reverse Osmosis (RO) water plant with 500litre capacity is made available round the clock serving drinking water facility to all boarders and it is being regularly cleaned and well maintained.
- 8.2 KV generator is available for uninterrupted power supply

**Examination Halls**

The college established *Examination Cell* specially for regular office work, preparing examination schedules, and invigilation duties, conduct of examinations, etc. in consultation with Officers in-charge of Academic Matters – UG and PG, arranging examination halls.

The Examination Cell is responsible for conduct of Mid-Term Examinations and Final Examinations of all UG, PG, and Ph.D. courses, while the practical final examinations will be conducted by respective departments.

The college has four examination halls with a capacity of 70 students in each hall. The halls are furnished with comfortable student chairs with writing plank, sufficient lighting, fans and ventilation.

The college has stringent invigilation system with surveillance camera in place.

**Sports and Recreational Facilities**

The following are the sports and recreation facilities available at the college.

**Table 44. Sports and Recreational Facilities Available at Agricultural College, Bapatla**

| S. No. | Type of Facility | Purpose |
|---|---|---|
| **Outdoor facilities** | | |
| 1. | Cricket field (2) | Regular fitness, practice, training, internal, inter-collegiate, stale level and Inter-University National level competitions and sports meets. |
| 2. | Football field (2) | |
| 3. | Ball-badminton court (4) | |
| 4. | Volleyball court (3) | |
| 5. | Basketball court (1) | |
| **Indoor facilities** | | |
| 1. | Gym room (1 + 3) | For regular & effective fitness workouts |
| 2. | Chess room (4 ) | Regular fitness, practice, training, internal, inter-collegiate, stale level and Inter-University National level competitions and sports meets. |
| 3. | Carroms room (2 + 2) | |
| 4. | Table Tennis room (2) | |
| 5. | Badminton court (2) | |

**Table 45. Auditorium Facilities at Agricultural College, Bapatla**

| S. No. | Information | Details |
|---|---|---|
| 1 | Name of the Auditorium | Dr. B V Nath Auditorium |
| 2 | Year of Construction | 1989<br>Inaugurated by Dr. M S Swaminathan on 28-01-1989 |
| 3 | Seating Capacity | 860 |
| 4 | Facilities | • Big dais (70 x 45 feet)<br>• Echo proof ceiling and packed walls<br>• Electronic Podium<br>• Wall Mounted Speakers (1)<br>• Amplifiers (2)<br>• LCD Projectors (2) with Screens<br>• Cordless and collar Mikes<br>• 2.4 KVA Generator back-up for Un-interrupted power supply<br>• Air conditioned Green Rooms (3)<br>• Wash rooms for girls and boys, separately<br>• Automated dais lighting system |
| 5 | Frequency of Use | Once in a week |

| | | |
|---|---|---|
| 6 | Type of College Functions conducted | • University Convocations<br>• College Days<br>• Hostel Days<br>• Inaugural functions for various Seminars / Symposia<br>• Orientation meetings<br>• Anti-Ragging Meetings<br>• Alumni Re-Unions<br>• Farmers meetings<br>• Department of Agriculture meetings<br>• Interaction meetings with University Officers<br>• Special Invited / Guest Lectures<br>• Any other meetings with all staff and students conducted by Associate Dean / University officer<br>• Cultural competitions/Activities |
| | | |

**c) S. V. Agricultural College, Tirupati**

The details of facilities available at S V Agricultural College, Tirupati are presented hereunder.

**Hostels**

Presently S.V. Agricultural College, Tirupati is having three boys hostels *viz.,* Mithila, Sabarmathi and Dwaraka and three girls hostels Priyadarshini I & II and New PG hostel. The hostels are provided with good basic and infrastructural facilities and amenities for the comfortable stay, safety and security particularly in girls hostel.

**Table 46. Capacity of Hostels at S.V. Agricultural College, Tirupati**

| S. No. | Name of the Hostel | Capacity |
|---|---|---|
| **Boys Hostel** | | |
| 1 | Mithila | 114 |
| 2 | Sabarmati | 180 |
| 3 | Dwaraka | 54 |
| | **Total capacity** | **348** |

| Girls Hostel | | |
|---|---|---|
| 4 | Priyadarsini - I Block | 235 |
| 5 | Priyadarsini- II Block | 176 |
| 6 | New PG Hostel | 112 |
| | **Total capacity** | **523** |

**Examination hall**

The college is having three examination halls for conducting Under Graduate and Post Graduate examinations with a seating capacity of 160 (UG examination hall), 90 (PG examination hall - I) and 36 (PG examination hall - II), thus having a provision for conducting examination to 286 students at a time. All the examination halls are under CCTV coverage.



**Fig 34. Examination Hall at S. V. Agricultural College, Tirupati**

**Sports and Recreational facilities**

Adequate facilities for outdoor and indoor sports and games that include, Shuttle Badminton court, Volley Ball court, Basket ball court, Ball badminton court, Cricket Ground, Foot ball ground and Tennicoit court (outdoor) and TT, Caroms and Chess (indoor) exist in the college.

**Auditorium**

The college has an open air auditorium which facilitates smooth conduct of common events with a seating capacity of 1000. All the college functions such as Independence day, Republic Day, NSS Day, NCC day, College Day, Hostel Day, etc. are being conducted at open air auditorium. However, a new indoor auditorium with a seating capacity of 800 with latest facilities is sanctioned by the University and the construction is in progress.

**Exhibition Hall and Museum**

The college has one exhibition hall cum museum which is being maintained by the Department of Agricultural Extension. The museum houses the live specimens and photographs of various crops and varieties, symptoms of pests and diseases and their management, specimens of insects, nutrient deficiency symptoms, seed of HYV developed by ANGRAU, technologies developed by the University, Farm implements and mechanization, etc. The exhibition hall helps in disseminating the latest technology to the undergraduate students, farmers from Andhra Pradesh and other states, students and staff of other agricultural institutions, etc.

**Instructional Farm in the Department of Agronomy**

The Department of Agronomy at S. V. Agricultural College, Tirupati has one UG laboratory that can accommodate 60 students for UG practicals. The department also have instructional farm for conducting UG practical classes.

**d). Agricultural College, Naira**

**Instructional farm**

Agricultural College Naira is famous for it's well layed out farm spreading over 251acres. It was supported by Vamsadhara lift irrigation and canal command to some extent. The predominant soil of Naira is sandy clay loams suitable for cultivation of rice during *kharif* and

fallow pulses during *rabi*. This college is having sizeable area under mango, guava and cashew orchards also. Year round maintenance of crop cafeteria by the students is the uniqueness of the college. The college is very famous among the farmers because of its quality seed production and supply to farmers. The farm also is having enough farm equipments, machinery and processing units.

**Table 47. Particulars of Area Utilization at Agricultural College, Naira**

| S. No. | Area under utilisation | Extent (ac) |
|---|---|---|
| I | Total area | 251.07 |
| a) | Area alloted to KVK, Amadalavalasa | 30.00 |
| b) | Area alloted to NRRI Cuttack | 1.50 |
| II | Area available with Agril. College, Naira (II-I) | 219.57 |
| IV | Land under roads, Buildings, Play, ground, Hostels, Farm ponds, Threshing floor, Irrigation channels etc., | 64.57 |
| V | Net cultivable area (III-IV) | 155.00 |
| a) | Area under orchards (Sapota, Coconut, Mango, Guava, Cashew, Jack fruit and Eucalyptus) | 55.00 |
| b) | Net area under arable crops | 100 |

| | |
|---|---|
| a. Open Wells | 4 No.s |
| b. Submersible wells | 4 No.s |
| c. Farm ponds | 10 No.s |
| d. Canals | 1 (Vamsadhara right canal connecting Chintada - S.S valasa to Alikam (L28)) |
| Details of farm machinery | 4 tractors( Mahindra – 2, Johndeer -2)<br>All crop thresher – 1<br>Paddy Reaper - 1<br>Ferti cum seed drill -1<br>MSRI transplanters - 2 No.s<br>Brush cutter- 1 No. |
| Details of threshing yards and storage facilities | Threshing yards - 6<br>Seed Processing plants- 2<br>Seed storage Godown - 2 |
| Weather meteorological observatory | Class - B meteorological observatory |

**Table 48. Particulars of Infrastructure Available at Agricultural College, Naira**

| S. No. | Particulars | Availability | | | |
|---|---|---|---|---|---|
| | | No. of units | Plinth area (sq. mt.) | Capacity if applicable | Adequate (Yes / No) |
| 1. | Administrative Offices | 1 | 1200 | -- | Yes |
| 2 | Class room | 8 | 2400 | 120 students | Yes |
| 3. | Laboratory | 15 | 5500 | 40 students | Yes |
| 4. | Library | 1 | 800 | 100 at a time | Yes |
| 5. | Housing for faculty | 8 | 3267 | 8 Families | Yes |
| 6. | Boys' hostel | 3 | 6560 | 340 students | Yes |
| 7. | Girls' hostel | 2 | 6000 | 200 students | No |
| 8. | Guest house | 1 | 57 | 2 rooms | No |
| 9. | Health clinics | 1 | 57 | -- | No |
| 10. | Auditorium | - | -- | -- | -- |

**Table 49. Particulars of Hostel Facilities Available at Agricultural College, Naira**

| S. No. | Name of the Hostel | No. of Rooms | Total Capacity |
|---|---|---|---|
| 1 | Suvarnamukhi Girls Hostel | 32 | |
| 2 | New Girls Hostel | 08 | |
| 3 | Vamsadhara Boys Hostel | 35 | |
| 4 | Nagavali Boys Hostel | 35 | |
| 5 | New Boys Hostel | 35 | |

- **Dining Hall**: 50 boys can dine at a time and in four batches, all the students can complete dining
- **Drinking water**: RO water plants are installed and connected to water coolers to make available cool water to all the inmates of the hostels
- **Solar Hot Water facility**: Solar hot water facility was created for the both girls and boys hostels.

- **24/7 Reading room**: one 24/7 reading room of 30x30 feet size is made available students, in both boys and girls hostels.
- **TV hall**: TV hall with 60 seating facility and TVs connected to cables are available in each Hostel
- Sophisticated multi-level gym bench and open gym are catering to the physical fitness needs of the boarders available at hostels.
- An ambulance is available with a First-Aid and trained health staff in the campus round the clock exclusively for the boarders in case of any medical emergency
- Hygiene is maintained in Hostel premises regularly using disinfectants by sanitary workers.
- Mess is being run by the student representatives and supervised by the Warden, along with additional warden for effective monitoring of hostel rules & regulations. Hostel records, stocks and stores maintained by a regular Care taker.
- Bimonthly meetings conducted in both boys and girls hostels. During the meeting boarders discuss on various issues in the presence of Wardens and caretaker regarding facilities such as water supply, electricity, food quality, hygiene in and around hostels etc.

**Examination hall:**

Agricultural College, Naira is having one well ventilated, furnished examination hall with 140 seating capacity with CC Camera vigilance round the clock for conducting the examinations. The facility is quite sufficient to conduct all internal and external examinations.

**Sports and recreation facilities:**

The College attaches high priority to the extra-curricular activities like indoor and outdoor games, literary activities, music and dance, and fine arts helping in the furtherance of academic goal, able body and sound mind.

The College does have play grounds, basket ball courts, state of the art gymnasia and a Physical Director on roll for imparting training to the students in the games and sports. Justifiably, the students of the College have excelled equally well also in games, literary and cultural activities and could secure many a prize, medal and distinction in various University, State and National Level Meets. Recently one open Gym facility is added to the existing indoor gym.

**Table 50. Sports Facilities Available at Agricultural College, Naira**

| S. No. | Games and sports | Equipment and infrastructure available | Adequate / inadequate |
|---|---|---|---|
| 1. | Basket Ball | Basket ball court | Adequate |
| 2. | Cricket and Football | Play grounds | Inadequate* |
| 3. | Table Tennis | T.T. boards | Inadequate** |
| 4. | Shuttle | Shuttle court | Inadequate** |
| 5. | Volley ball | Volley ball court | Adequate |
| 6. | Athletics | Track | Inadequate*** |

**Auditorium:** Not available in the College**.**

**Health Clinic:**

The College also has a Health Clinic supervised by a qualified doctor and an ambulance to provide transport to the students and the staff to the nearby hospitals in case of medical emergency. Pharmacy and medical kits are made available at the boys and girls hostels under the custody of health secretaries and while on tours.

**e). Agricultural College, Mahanandi**

The college has eight laboratories of different departments, Meteorological laboratory, Instructional farm with 130 acres, besides the college being attached with Live Stock research Station having facilities of veterinary clinic, and with Horticultural Research Station having advanced facilities of green house chambers, commercial horticulture etc.

- **Hostels:** The Agricultural College, Mahanandi has well established hostels separately for boys and girls.

Boys Hostels: Three Boys Hostels are available namely (Surya nandi, Krishna Nandi and New Boys Hostel, having total of 56 rooms.

Girls Hostel: Three girls hostels are available namely kameswari-I, Kameswari-II and New Girls Hostel, with 50 rooms in total.

Each hostel is having the individual RO Plant for water facility, indoor gyms for both boys and girls, workers for cleaning the premises, one ambulance for Emergency medical purpose for the students and one part time doctor available for the college campus in working hours.

- **Examination hall**: College is having one Examination hall separately with the capacity of 200 students with chairs and all facilities.
- **Sports and Recreation Facilities**: College was having the outdoor sports facilities separately.
- **Auditorium, Exhibition Hall/ Museum**: Nil

**a) Agricultural College, Rajamahendravaram**

**Instructional farm**

The college has unique facility of having two research cum instructional farm. One farm at Katheru that was transferred by the ICAR-CTRI with an area of 21.93 ac. to Agricultural College for a long lease. The Katheru farm mostly consists of rich black soils which caters the needs of paddy based cropping systems. The Endowments Land of 58.13 ac. of Sri Bhajenarayana Swamy Temple at Nidigatla village, Korukonda Mandal was handed over to college on leases mostly consists of sandy loam soils where in irrigated dry crops will be cultivated. This unique kind arrangement of having two farms will allow the students to understand practical advantages and difficulties in crop production in both types of the soils

One field class room, farm superintendent office and store room were constructed. The practical classes are being taken up in this building regularly whenever students visit the farm for practical classes.

Further, currently the farms are also serving the need to undertake breeder and foundation seed production of paddy, red gram, green gram and small millets as a part of income generation. Further a proposal on “Establishment of small nursery unit for production of quality planting

material for horticulture crops" was approved and funded by Department of Horticulture under RKVY-RAAFTAR during 2019-20. This facility will help in developing entrepreneur skills in students as they will closely involve in the project as a part of their practical curriculum.

**Farm Ponds**

In the new Nidigatla farm, a proposal was submitted for funding to construct a farm pond which not only serves as a source for strategic irrigation to the irrigated dry crops but also helps in collecting runoff water, In Katheru another proposal was submitted to develop demo Integrated Farming System model for the benefit of students.

**Table 51. Land Available at Agricultural College, Rajamahendravaram**

| | |
|---|---|
| Academic Campus | 4 ha |
| Farm | 21.93 acres (Wet land) (Katheru farm) |
| | 58.13 acres ( Dry land ) (Nidigatla Farm) |
| Irrigated land in hectares (area and per cent of farm) | 21.93 acres (100%) |

As the College is housed in a local Degree College, i.e. SKVT College, all the facilities available with the local College, as detailed below are being used for the present.

**Table 52. Facilities Available at Agricultural College, Rajamahendravaram**

| Facility | Units |
|---|---|
| Academic buildings | 310 Sq. m |
| Students hostels (Girls) | 600 Sq. m |
| Play grounds | 1 ha |
| Open spaces | 100 Sq. m |
| Garden and farms | 2 ha |
| Irrigation infrastructure | Conventional methods of irrigation. |
| Administrative offices (2) | 70 Sq.m |
| Classrooms (3) | 120 Sq.m |
| Laboratory (2) | 80 Sq. m |
| Library (1) | 40 Sq.m |
| Girl's Hostel (1) | 600 Sq.m |
| Sports Complex (1) | 1 ha |

**Hostels**

Agricultural College, Rajamahendravaram is working in SKVT College, and as on today the college does not have any buildings of their own. Girl students are accommodated in the hostels of SKR women's college and boys are accommodated in private hostels. Mess facility to girl students is provided along with the students of SKR women's hostel.

**Examination hall**

The college does not have a separate examination hall for conducting the midterm and Semester final theory examinations. The examinations are being conducted in the classrooms and the verandah of the college Campus.

**Sports and Recreation facilities**

The indoor and outdoor facilities available with SKVT College are utilized by the students. SKVT college campus has a outdoor facilities like Cricket, Foot ball, basket ball, shuttle badminton, Ball badminton, Volley ball courts and TT board, chess, Carroms and other indoor facilities.

**Auditorium**

Agricultural College is utilizing the Open auditorium and indoor facility available with SKVT college for the functions like College day, Hostel Day, Fresher's day, Farewell day and all other occasions.

**Exhibition Hall / Museum**

Agricultural College, Rajamahendravaram does not possess any separate facility for museum or exhibition hall. Hence the models / exhibits prepared by the students are stored in the store room available in the college and the same will be utilized during the exhibitions/ farmers days/ Kisan diwas etc.

**College Infrasrtucture**

The University has sanctioned an amount of Rs.24.0 crores for the construction of boy's hostel, girl's hostel and college main building in Katheru farm of Agricultural College, Rajamahendravaram, which are all in progress.

**b) Dr. N.T.R.College of Agricultural Engineering, Bapatla**

**Hostels**

Boy students are provided accommodation in 2 separate hostels at one end and girl students are accommodated in two separate hostels at the other end of the campus. Boy student hostels, namely, Dr. K.L. Rao Hall of Residence and New Boys Hostel have total of 52 rooms in which 170 students are residing. Similarly, two girl hostels have total of 36 rooms where 127 girls are accommodated at present. Most of the rooms in the hostels can accommodate 4 students comfortably. The rooms have the cots equivalent to the student numbers, cupboards, reading tables, chairs, etc. Other features and facilities in the college hostels are as follows:

- Boys hostel mess is equipped with big dining tables (8Nos.), chairs (60Nos.), water cooler (1 No.), RO plant (1No.), refrigerator (1No.), LED TV with good sound system, ceiling fans(10Nos.).
- Similarly, Girls hostel mess is equipped with big dining tables (2Nos.), chairs (30Nos.), water cooler (1No.), refrigerator (1 No.), LED TV with good sound system, ceiling fans(3Nos.).
- Purified water dispensers for cool, hot and normal water are available in each hostel.
- Hostels are also having facilities such as guest room for parents, sick room for isolation purposes, etc.
- Hostels are having sufficient number of well managed bath rooms and toilets.

- Disabled friendly rest rooms are also provided in the new boys and girls hostels.
- Ramp facilities for convenience of the differently challenged students are provided in all the boys and girls hostels.
- Reading rooms are available in the new boys and girl hostels. English and Telugu newspapers, and some magazines are being provided in the hostels.
- Gymnasium with required exercise equipment is available at both the girls and boys hostels.
- Facilities for indoor games such as table tennis, caroms and chess are available.
- Courts for the net games such as basketball, shuttle, volley ball, etc. are available adjacent to the hostel.
- The ground for playing cricket and football with running tracks is available between the hostel and college building.
- CCTV cameras were installed at different strategic locations inside and outside the hostels and monitored continuously the movement of students and outsiders.
- First aid kits are made available in both the hostels.

Senior faculty member of male is appointed as warden for boys hostel and senior faculty of female is appointed as warden for girls hostel to supervise the routine boarding and lodging requirements and welfare of the students.

**Examination Hall**

Examination hall with 80 seating capacity to accommodate the students at distance is available. This hall is well ventilated with good lighting facility and fans. This hall is supported by a large room attached to it to store the examination material intact. Examination preparation process is done in this room.

**Sports and Recreation Facilities**

Boys Hostel is having a well equipped Gym for improving the fitness of the students in addition to the following facilities for sports and games in the college.

**Table 53. Sports, Games and other Infrastructural Facilities available at Dr NTR CAE, Bapatla**

| S. No. | Name of game | Available infrastructure |
|---|---|---|
| 1 | Cricket | Pitch |
| 2 | Foot ball | Ground |
| 3 | Ball Badminton | One outdoor Court (Separate for boys and girls) |
| 4 | Indoor Gymnasium | Well-equipped Gym |
| 5 | Table Tennis | Two Table Tennis Boards (Separate for boys and girls) |
| 6 | Volley Ball | Two Volley Ball Courts (Separate for boys and girls) |
| 7 | Shuttle Badminton | Shuttle Badminton courts |
| 8 | Tennicoit | Tennicoit Court for girls |
| 9 | Caroms | 4 indoor carom boards (Separate for boys and girls) |
| 10 | Chess | 5 indoor Chess boards |

**Auditorium**

Ground floor of the Library is having an Auditorium to accommodate about 150 students. College level functions are being held in the auditorium.

**Exhibition Hall/Museum**

One museum is established where in the academic posters, exhibits, etc. are displayed for students use.

**c) College of Agricultural Engineering, Madakasira**

**Hostels**

Students' accommodation in hostel wise is presented hereunder.

**Table 54. Hostel-Wise Students' Accommodation**

| S. No | Name of Hostel | Capacity | Presently Accommodated |
|---|---|---|---|
| **BOYS** | | | |
| 1. | New boys hostel | 40 | 44 |
| 2. | Agricultural polytechnic hostel (Boys) | 40 | 40 |
| GIRLS | | | |
| 3. | New girls hostel | 40 | 32 |
| 4 | Agricultural polytechnic hostel(Girls) | 40 | 33 |

- Senior faculty member of male is appointed as warden for boys hostel and senior faculty of female is appointed as warden for girl's hostel to supervise the boarding and lodging arrangements for the welfare of students.
- Hostel mess is equipped with big dining table (6), chairs (40), water cooler (1), Desert coolers(1), refrigerator (1), LED TV with good sound system, ceiling fan (6) and mess helpers (10)
- Hostels are having facilities such as water cooler and guest room
- All the bathrooms of the hostel have solar water heating facility of capacity 1500 liters per day with showers. A disabled friendly latrine is provided in the new boys and girls hostels.
- Ramp for the convenience of disabled students is provided in the new boys and girls hostel
- The hostel is also provided with indoor games (Table tennis, Carrom board, Chess and Shuttle badminton)
- The reading room is provided in the hostels with a provision of telugu and english news papers
- CCTV cameras are installed at different locations in the hostel
- First aid kit is available in the hostel with Ambulance facility for medical assistance

**Examination hall**

There is one examination hall with plinth area of approximately 170.2 sq.m having a seating capacity of 60 students for the conduct of examinations. The examination hall is well ventilated with good natural lighting and artificial lighting facilities. The examination hall is fitted with CCTV cameras for effective monitoring of conduct of examinations.

**Seminar Hall**

One air-conditioned seminar hall with plinth area of approximately 81 sq.m having a seating capacity of 45 persons is available in the college.

**Sports and Recreation Facilities**

To provide a healthy physical environment to the students, the college has play fields over an area of 10 acres. Facilities are available for indoor and outdoor games. The different sports infrastructure available at College of Agricultural Engineering, Madakasira is given below

**Table 55. Sports Infrastructure Available at College of Agricultural Engineering, Madakasira**

| S. No. | Game | Available Infrastructure |
|---|---|---|
| 1. | Athletics | Athletic track |
| 2. | Ball Badminton | One outdoor Court |
| 3. | Cricket | Pitch |
| 4. | Indoor Gymnasium | Well-equipped Gym |
| 5. | Table Tennis | Two Table Tennis Boards (Separate for boys and girls) |
| 6. | Volley Ball | Two Volley Ball Courts (Separate for boys and girls) |
| 7. | Shuttle Badminton | Two Indoor Shuttle Badminton courts (Separate for boys and girls) |
| 8. | Tennicoit | Tennicoit Court |

| | | |
|---|---|---|
| 9. | Caroms | 2 Indoor carom boards (Separate for boys and girls) |
| 10. | Chess | 4 Indoor Chess boards |

**College Canteen**

The College has a canteen for students and staff. The college canteen has a committee headed by senior faculty to monitor the food quality and pricing.

**Auditorium**

One well ventilated auditorium with plinth area of approximately 295.5 sq.m having a seating capacity of 200 persons is available in the college with facilities like over head projector, good sound and lighting system.

The information regarding laboratories, Instructional farm, Workshops, etc in the college are given below.

**Table 56. Instructional and Other Facilities at CAE, Madakasira**

| S. No | Particulars | No. of Unit (s) | Plinth Area (sq.m) |
|---|---|---|---|
| 1. | Administrative Office | 15 | 814.45 |
| 2. | Class Room | 4 | 360.64 |
| 3. | Farm Machinery Lab | 1 | 39.9 |
| 4. | Farm Power Lab | 1 | 46.1 |
| 5. | Fluid Mechanics Lab | 1 | 56.6 |
| 6. | SWCE Lab | 1 | 126.59 |
| 7. | Soil Science Lab | 1 | 90.226 |
| 8. | Computer Lab | 1 | 83.86 |
| 9. | Instrumentation Lab | 1 | 76.02 |
| 10. | Library | 1 | 295.5 |
| 11. | Workshop | 1 | 166.52 |
| 12. | Seminar Room | 1 | 81 |
| 13. | Examination Hall | 1 | 170.2 |
| 14. | Research farm | 1 | 8666 |
| 15. | Prototype Production Center | 1 | 593 |
| 16. | ELP Building | 1 | 389.5 |
| 17. | Dairy Plant | 1 | 129.53 |
| 18. | Auditorium | 1 | 295.5 |
| 19. | Guest Room | 2 | 80.75 |

**Table 57. Department-wise Laboratories in CAE, Madakasira**

| S. No. | Departments | Name of laboratories |
|---|---|---|
| 1. | Farm Machinery & Power Engineering | • Farm Power Lab<br>• Farm Machinery Lab<br>• Prototype Production Center |
| 2. | Processing & Food Engineering | • Processing & Food Engineering Lab<br>• Dairy Plant |
| 3. | Irrigation and Drainage Engineering | • Irrigation & Drainage Lab |
| 4. | Soil & Water Conservation Engineering | • Soil and Water Conservation Engineering Lab |
| 5. | Renewable Energy Engineering | • Renewable Energy Demonstration unit |
| 6. | Basic Engineering | • Surveying & Levelling Lab<br>• Fluid Mechanics Lab<br>• Workshop Lab |
| 7. | Applied Sciences | • Soil Science lab<br>• Instrumentation lab |

**d) Dr. N.T.R. College of Food Science and Technology, Bapatla**

**Hostels:**

**Table 58. Hostel Facilities at Dr. NTR College of Food Science & Technology, Bapatla**

| Hostels | | | Floor Area | No. of Rooms | Student per room |
|---|---|---|---|---|---|
| Boys Hostel | 2 | 1 Old | 1500 Sq. m | 13 | 3 |
| | | 1 New | 510 Sq. m | 9 | 3 |
| Girls Hostel | 2 | 1 Old | 3000 Sq. m | 36 | 3 |
| | | 1 New | 510 Sq. m | 7 | 3 |

Two messes are available one each for boys and girls. R.O. drinking water facility and water coolers are available. Cleaning is attended every day by sanitary workers. College vehicle with driver is available on call for medical emergencies. Ambulance facility from Agricultural College is also engaged from time to time.

**Examination hall:** Two examinations halls are available in the new ELP building. The exam halls are spacious and can accommodate up to 40 students per room.

**Sports and Recreation Facilities:**

A new Volley ball court, ball badminton court and Basket ball court were constructed and are being used by the students.

**Table 59. Sports and Games Facilities at**

**Dr. NTR College of Food Science & Technology, Bapatla**

| S. No. | Game | Available Infrastructure |
|---|---|---|
| 1. | Athletics | Track is Available |
| 2. | Ball Badminton | One Out Door Court |
| 3. | Indoor Gym | Two gyms are available for both Boys and Girls at Hostels |
| 4. | Table Tennis | Two tables for both Boys and Girls separately |
| 5. | Volley Ball | One outdoor court |
| 6. | Shuttle Badminton | One court is available in the Administrative Building |
| 7. | Tennicoit | One Court |
| 8. | Chess | Four Chess boards |
| 9. | Caroms | Two Boards |
| 10. | Cricket | Cricket Pitch |
| 11. | Basket Ball | One well equipped new basket ball court |

**Auditorium:** The college has an indoor auditorium, which can accommodate up to 200 students is well equipped with audio and visual equipment.

**Exhibition Hall/Museum:** No separate exhibition hall/museum exists in the college, however, the posters/models/exhibits/charts are displayed by the students on special occasions such as World Food Day, College and Hostel Day, Demonstration of Food Adulteration and Agri Fairs etc.

**Research Facilities:** The College has well established facilities for conducting research on development of new food products, food processing equipment, food analysis and quality control, food microbiology, and computer lab for conducting under graduate research projects. Some of the faculty are supervising students thesis research projects of M. Tech. and Ph.D. Programmes related to Processing and Food Engineering offered at the sister college of Dr. NTR College of Agricultural Engineering in Bapatla.

**Postgraduate Laboratories and Equipments:** Equipment like tray dryers, Spray Dryer, Membrane Filtration Unit, Millet Processing Equipment, Convective Microwave Dryer, Soy Milk Processing Unit and Food Packaging Lab equipment are being used by M. Tech (FPE) students of Dr. NTR College of Agricultural Engineering, Bapatla.

**e) College of Food Science and Technology, Pulivendula**

**Hostels**

The college provides hostel facility for both boys and girls separately. The students are accommodated in three hostels within the campus. There are 61 rooms available in boys' hostel and 54 nos boy students are accommodated. There are 39 rooms available in girls' hostel and 62 nos of girl students are accommodated. Three students are accommodated in one room. Each room is well-lit, ventilated and equipped with all necessary amenities required for an academic student. Drinking water facility is arranged in water coolers in all three hostels.The college is running well maintained packaged drinking water plant in the campus to meet the needs of students and staff. As a security measure hostels and mess is kept under CC camera surveillance. The college bus provides transportation for the girls for weekly outing for personal purchases.

The mess is run by the students themselves under the guidance of wardens and chief warden. The mess is spacious and there are 8 nos of dining table (10'x3') out of which two are stainless steel. It accommodates about 90 inmates to dine at a time.

The senior boys' hostel is provided with TV, Home gym, table tennis and multipurpose bench, rods and weights to relax and keep fit. A shuttle court also exists in senior boys' hostel. The girls' hostel is also provided with T.V., table tennis, shuttle court and reading rooms.

**Examination hall**

There is a dedicated (only used for) examination hall in the college. The capacity of the hall is 50 in the examination mode (with clear distance from chair to chair) of sitting. The size of the examination hall is 1800 sq.ft. (60X 30 ft.)and houses fifty numbers of chairs with writing pads. The hall is under cc camera surveillance. The hall is provided with intercom facility to contact the office in case of emergence.

**Sports and Recreation Facilities**

The following Indoor and Outdoor facilities are available in CFST, Pulivendula.

1. Badminton courts – 3 No

2.Ball badminton courts- 2 No

3. Table Tennis Tables- 3 No

4. Chess Boards- 10 No

5. Caroms Boards- 6 No

6. Gym with Imported equipment

7. A separate Medical Center with adequate medicines

8. NSS unit - 1 No

The following Outdoor sports facilities are available in CFST, Pulivendula.

1. Cricket Ground- 1 No
2. Football Ground – 1 No
3. Volleyball Courts – 3 No
4. 200 m Track

**Auditorium**

The college is blessed with a separate auditorium within the college main building with a seating capacity of 200 students. The size of the auditorium is 50 X 64 ft. A built-in stage with provision for adding lighting system and sound system is ready. All seminars, workshops, college meetings are being conducted in this auditorium. However, sound system, lighting systems and air conditioning need to be developed.

**Exhibition Hall/Museum**

There is a need for the Exhibition Hall to be developed to show-case the history of college, developed technologies, ELPM products, etc. The ELPM products can be displayed and serves as a sales counter. Right now, there is no such hall in the campus.

**f) College of community Science; Lam, Guntur**

**Hostels:**

College of Community Science has a hostel within the campus which can accommodate 135 boarders. The Hostel is a two storied building with 25 rooms, 12 toilets and 15 bathrooms. Due to space constraint each room is occupied by 6 to 9 students. Associate Dean is the Chief Warden and one of the faculty members is Warden assisted by Additional warden for supervision and maintenance of the hostel.

**Examination Hall**

Since there is no separate examination hall in the college, the existing class rooms are being used for conducting the examinations. The rooms are well ventilated with CCTV cameras for effective monitoring and conducting examination.

**Sports and Recreational Facilities**

To provide a healthy environment for students, the college has sufficient space for outdoor games spread in two acres with 200mts track, field events, pits and sectors and courts in the college premises. Outdoor equipment like volley ball, shuttle badminton, ball badminton, tennikoit and basketball;Indoor play equipment like chess, caroms, table tennis are kept available for students practice. Physical fitness activities like physical fitness components, speed, agility, endurance, strength, flexibility, yoga and aerobic exercises are being practiced by the students regularly under the guidance of the Physical Director of the college.

The college has well equipped outdoor gym for the students with equipments like a) Cross walker, b) Air Walker, c) Standing trunk twister, d) Sit up bench, e) Knee/hip raise, and ) Seated chest pusheretc.

**Auditorium:**

The proposal for construction of open auditorium is under active persuasion.

**Exhibition Hall/Museum:**

One of the halls in the existing ground floor of the new college building was intended to make use as exhibition hall/museum. Due to space constraint this hall is now being used as a multipurpose hall.

**g) Advanced Post Graduate Centre, Lam, Guntur**

**Hostels:**

No hostel facilities are available in Advanced Post Graduate Centre, Lam. Two hostels, one each for boys and girls are being constructed with a budget outlay of 8 crores for accommodating 64 boys/girls in each hostel.

**Examination hall:** Not Available.

**Sports and Recreation Facilities:**

One outdoor shuttle court is available. Materials for Indoor sports like caroms, chess etc. and others materials like javelin, discs are available.

**Auditorium**

There is no Auditorium facility and Exhibition Hall/Museum at Advanced Post Graduate Centre, Lam, Guntur.

**6.6.7.2. IT Infrastructure:** (*A brief report on University ARIS Cell shall be given. Give the information on LAN connectivity, Wi-Fi/internet facilities in campus and hostels; Computer based library management, videoconferencing facilities, smart class rooms and workshops etc*.)

The Agricultural Research Information Systems (ARIS), duly equipped with all the supporting equipments and software are available in few constituent colleges of ANGRAU,. The ARIS cells, wherever are available are useful in overall improvement of agricultural research and education benefitting the students and faculty.

All the constituent colleges have smart class rooms for effective delivery of lectures and to make learning more interesting and interacting. Wi-Fi enabled projectors and interactive smart boards are available. Few smart class rooms have Touch Screen LCD facility to explain the concepts easily understandable to the students. Lecture recording facilities, interactive board facility, and facility for conducting on-line classes are also available.

Fully operational LAN is available in all the colleges, including all the departments besides the administrative office, ANGRAU. The LAN and Wi-Fi are put in regular use by faculty, administrative staff and students. The details of availability of IT infrastructural facilities such as ARIS cell, digital libraries, video conferencing facilities, workshops and smart class

rooms, along with internet facility in different constituent colleges of ANGRAU and its Head Quarters are provided below.

**Table 60. IT Infrastructure Facilities Available in Constituent Colleges of ANGRAU**

| S. No. | Name of the Constituent College | ARIS Cell | Computer based Library (Digital) | Video conferencing facility | Workshops | No. of Smart Class Rooms Available |
|---|---|---|---|---|---|---|
| 1. | Agricultural College, Bapatla | Available | Available | Available | Not available | 01 |
| 2. | S. V. Agricultural College, Tirupati | Not available | Available | Available | Two UG workshops with Agrl machinery. | 01 |
| 3. | Agricultural College, Naira | Not available | Available | Not available | Not available | 01 |
| 4. | Agricultural College, Mahanandi | Available | Available | Not available | One workshop for UG available | 04 |
| 5. | Agricultural College, Rajamahendra-varam | Available | Available | Not available | Not available | 01 |
| 6. | Dr. N.T.R. College of Agricultural Engineering, Bapatla | Not available | Available | Available | Available | 01 |
| 7. | College of Agricultural Engineering, Madakasira | Not available | Available | Available | Available | 01 |
| 8. | Dr. N.T.R. College of Food Science and Technology, Bapatla | Available | Available | Not available | Available | 01 |
| 9. | College of Food Science | Not available | Available | Not available | Available | 01 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | and Technology, Pulivendula | | | | | |
| 10. | College of Community Science, Guntur | Not available | Available | Not available | Not available | NA |
| 11. | Advanced Post Graduate Centre, Lam, Guntur | Not available | Available | Not available | Not available | 01 |
| 12. | ANGRAU, Administrative Office, Guntur | Not available | Available | Available | Not available | NA |

**Table 61. Particulars of Availability of Internet Facility in Constituent Colleges of ANGRAU**

| S. No. | Name of the Constituent College | LAN/Internet | Wi-Fi | Remarks, if any |
|---|---|---|---|---|
| 1. | Agricultural College, Bapatla | Provided | Provided | -- |
| 2 | S. V. Agricultural College, Tirupati | Provided | Provided | -- |
| 3. | Agricultural College, Naira | Provided | Provided | |
| 4. | Agricultural College, Mahanandi | Provided | Provided | |
| 5. | Agricultural College, Rajamahendravaram | Provided | Provided | -- |
| 6. | Dr. N.T.R. College of Agricultural Engineering, Bapatla | Provided | Provided | -- |
| 7. | College of Agricultural Engineering, Madakasira | Provided | Provided | Available in college; not available in hostels |
| 8. | Dr. N.T.R. College of Food Science and Technology, Bapatla | Provided | Provided | Available in college, but not in hostels |
| 9. | College of Food Science and Technology, Pulivendula | Provided | Provided | Not available at hostels. Wi-Fi is available at College Library |
| 10. | College of Community Science, Guntur | Provided | Provided | Available in college, but not in hostel |

| | | | | |
|---|---|---|---|---|
| 11. | Advanced Post Graduate Centre, Lam, Guntur | Provided | Provided | Available in College |
| 12. | ANGRAU Administrative Office, Guntur | Provided | Provided | -- |

**6.6.7.3. Students and Staff Amenities:** (*Give brief report on the sporting and recreational activities, employment and career advice, child care, financial advice and food services, entertainment avenues etc. available in the campus*)

**a) Sports, Recreational activities & Entertainment**

For physical and mental fitness of students, Sports and Games are keenly pursued by students in all the constituent colleges. As per curriculum, Dept. of Physical Education offers a course to the First Year Undergraduate students on *Physical Education* with the main objective of improving the physical skills and fitness of the students with standard rules and regulations. Finally, by the end of such practical exercises, students will be able to develop sound body and sound mind, build good character and promote teamwork. Every day, students utilize the facilities and are trained under the supervision of qualified Physical director. Students play both indoor and outdoor games.

Every year, intercollegiate sports and cultural meet will be conducted for students and staff separately. The students who outperformed in such events will be selected to send to inter-university competitions that will be held at National Level.

Television halls and Reading rooms are provided in all the hostels/mess for recreation and entertainment.

**b) Employment and Career Advice**

All the constituent colleges have an active Placement Cell for aspiring students. Both public and private sector organizations will recruit the graduates through the Placement Cell. To enhance potentiality of aspiring graduates in campus placements, the Placement Cell organizes

courses on Spoken English, Communication Skills, Personality Development, Group Discussions, Guest Lectures, and Workshops, etc. All the undergraduates have the opportunity to improve their written and oral communication skills in English with the mandate English Course, which deals on grammatical rules, communication & soft skills, group discussions skills, oral presentation skills, telephone etiquette, phonetics, stress and intonation etc. The Language Laboratory is existing in all the constituent colleges that frequently conduct trainings and orientation programmes to enhance the employability skills, mock interviews, JAM (Just A Minute) sessions for all the students with emphasis on outgoing graduates.

The Student-Advisory system is effectively functioning in all the Colleges. Each undergraduate student is attached to a faculty in the Student-Advisory System for fixing the academic queries raised by the students. The faculty takes the responsibility of imparting career guidance to the student. Post Graduate and Doctoral students will be guided by the research advisory committee that guides his/her research work. Besides, guest lectures to students will be arranged on personality development and employment potential to agricultural graduates in agriculture and allied sectors at National and International level.

**c) Child Care**

ANGRAU has adopted the "AP Women Employees Rules G.O.Ms.No. 132 dt. 06.07.2016. of the State Govt. of AP, which states that a) Women employees will be permitted to avail child care leave for two months viz., sixty days in the entire service to take care of the minor child for rearing or looking after any other needs of the child during school or college examinations, sickness etc., subject to the following conditions. This is in addition to the already existing maternity leave facility.

**d) Financial Advice**

Financial advice to the students in terms of securing Govt. Scholarships will be given by the Student-Advisory System. The scholarship opportunities (Govt. as well as private scholarships) will be intimated from time to time by the O/o Dean of Student Affairs for pursuing undergraduate, post-graduate and doctoral programmes. The Faculty and Associate Deans also clarify on the issues raised by the students on financial management system during their stint in college.

**e) Food services**

Attached dining halls are provided to all the hostels (separately for boys and girls) in all the constituent colleges. Hygiene is maintained in the hostel as well as mess premises and high quality food is supplied to the students. Student representatives will run the mess. Besides routine breakfast, luncheon and dinner, special food will be offered during festivals and special occasions. Reverse Osmosis (RO) water plants are installed and connected to water coolers in the hostels/mess. The registered standards of FSSAI (The Food Standards and Safety Authority of India) are met in all the hostels/messes in ANGRAU.

## 6.6.8. FINANCIAL RESOURCE MANAGEMENT

**6.6.8.1 Budget Allocation: (***Give the Budget allocation (College wise) for salary, contingency and amount received through the ICAR development grant during last five years. Give a note on the sufficiency of the fund to meet the academic requirement in last five years.)*

The budget allotted to different constituent colleges of ANGRAU by ICAR as development grant for the last five years is presented below. More allocation of funds to ANGRAU in view of the bifurcation of State and declining resources compared to united ANGRAU. In wake of the

challenges being faced, towards evolving a stronger institution, more funds from ICAR are justifiable.

**Table 62. College Wise Budget Allocation during the Last Five Years**

| S. No. | Name of the College | Salaries ( Rs. in lakh) | | | | | Contingencies (Rs. in lakh) | | | | | IACR Development Grant (Rs. in lakh) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2015-`16 | 2016-`17 | 2017-`18 | 2018-`19 | 2019-`20 | 2015-`16 | 2016-`17 | 2017-`18 | 2018-`19 | 2019-`20 | 2015-`16 | 2016-`17 | 2017-`18 | 2018-`19 | 2019-`20 |
| 1. | Agricultural College, Bapatla | 1945.80 | 1809.80 | 1827.70 | 2058.70 | 2534.10 | 161.48 | 157.46 | 186.36 | 176.95 | 178.82 | 19.47 | 85.38 | 44.00 | 20.92 | 19.50 |
| 2. | S. V. Agricultural College, Tirupati | 1407.69\ | 1545.60 | 1630.59 | 1775.36 | 1947.52 | 148.34 | 151.48 | 163.55 | 185.49 | 211.49 | 54.70 | 182.29 | 142.52 | 25.42 | 101.50 |
| 3. | Agricultural College, Naira | 876.33 | 770.78 | 815.52 | 533.43 | 524.52 | 43.70 | 36.76 | 79.77 | 81.32 | 93.54 | 47.48 | 86.77 | 143.14 | 126.42 | 132.50 |
| 4. | Agricultural College, Mahanandi | 654.50 | 626.71 | 632.92 | 559.13 | 62.82 | 38.83 | 43.14 | 51.73 | 52.11 | 52.11 | 13.03 | 149.44 | 45.52 | 28.42 | 22.50 |
| 5. | Agricultural College, Rajahmundry | 321.04 | 385.32 | 509.96 | 418.33 | 495.32 | 27.60 | 33.64 | 31.16 | 53.16 | 51.26 | 11.53 | - | - | - | - |
| 6. | Dr. NTR College of Agril. Engg., Bapatla | 335.72 | 361.75 | 365.40 | 371.83 | 448.71 | 55.21 | 73.55 | 88.99 | 74.86 | 78.82 | 16.44 | 89.15 | 53.85 | 29.41 | 19.00 |
| 7. | College of Agril. Engg., Madakasira | 212.50 | 238.72 | 254.61 | 276.49 | 300.49 | 333.98 | 4426.67 | 60.84 | 49.14 | 48.09 | - | - | - | - | - |
| 8. | Dr. NTR College of Food Science & Tech., Bapatla | 216.01 | 248.53 | 251.00 | 287.34 | 326.31 | 30.23 | 36.79 | 41.20 | 47.37 | 52.37 | 13.03 | - | - | - | - |
| 9. | College of Food Science & Tech., Pulivendula | 216.00 | 229.36 | 211.14 | 279.57 | 258.81 | 36.74 | 46.71 | 46.976 | 48.118 | 54.07 | 30.90 | 5.0 | - | - | - |
| 10. | College of Community Science, Guntur | 88.25 | 190.41 | 192.28 | 217.90 | 252.63 | 15.59 | 21.77 | 25.19 | 51.32 | 46.25 | - | - | - | - | - |
| 11. | Advance Post Graduate Centre, Lam | - | - | - | - | - | - | 16.76 | 25.97 | 33.90 | 33.90 | - | - | - | - | - |

**6.6.8.2. Finance Committee (***Provide the schedule of the meetings of the financial committee held in last five years*)

During the last five years, the Finance Committee met twice. The details are provided hereunder.

**Table 63. Meetings of the Finance Committee**

| S.No. | Details of Meeting | Date | Venue | Chairman & Members |
|---|---|---|---|---|
| 1 | 104th Finance Committee meeting | 28.03.2014 | Bhoiguda Guest House, Secunderabad | Dr. A. Padmaraju (C), Hon'ble Vice Chancellor<br>Sri M. Vidyanath Reddy<br>Sri L. Premachandra Reddy, IAS<br>Smt. Ch. Hemalatha, Comptroller & Secretary |
| 2 | 105th Finance Committee meeting | 27.10.2020 | Board Meeting Hall, Administrative Office, Lam, Guntur | Dr. A. Vishnuvardhan Reddy (C), Hon'ble Vice Chancellor<br>Sri C. Rammohan Reddy, Member, Board of Management<br>Sri B. Sreenivasa Rao, Member, Board of Management<br>Dr. R. Veeraraghavaiah, Comptroller & Convener |

**6.6.8.3. Internal Resources Generation: (***Give a comprehensive report (College wise) internal resource generation through different sources for last five years. How this money is being utilized for the academic programmes and research work of students? Give a brief note*.)

The constituent college of the ANGRAU are generating the resources by collecting hostel fee for accommodation charges from the wards, maintain revolving fund by taking up different activities like seed production, orchard development, etc. in addition to the non- university fund collected from the students at the time of their registration. The details of such internal resource generation are presented in the table below.

The Revolving Fund is utilized for Institutional Development Activities, emergency farm needs etc. The Hostel Fee is utilized for student development activities, meeting the expenses for stationery for student exams; room rent charges, paying electricity bills for hostels and mess etc. The Non-University Fund is utilized for student development activities.

**Table 64. Internal Resources Generation from Different Sources of Constituent Colleges of ANGRAU during the Year 2015 -16**

| S. No. | Name of the Colleges | Non-University Fund (Rs. in lakh) | Hostel Fee (Rs. In Lakhs) | Revolving fund (Rs. in Lakhs) | Any Other (Rs. In Lakhs) |
|---|---|---|---|---|---|
| 1 | Agricultural College, Bapatla | 7.67 | 21.90 | 12.76 | 4.16 |
| 2. | S. V. Agricultural College, Tirupati | 39.39 | 32.65 | 5.04 | 24.26 |
| 3. | Agricultural College, Naira | 58.80 | 13.96 | 28.02 | - |
| 4. | Agricultural College, Mahanandi | 7.37 | 18.29 | 19.68 | 2.73 |
| 5. | Agricultural College, Rajahmundry | 11.48 | - | 9.42 | - |
| 6. | Dr. NTR College of Agril. Engg., Bapatla | 22.62 | 4.59 | 0.59 | - |
| 7. | College of Agril. Engg., Madakasira | 0.77 | 7.27 | - | 0.80 |
| 8. | Dr. NTR College of Food Science & Tech., Bapatla | 3.88 | 9.26 | 1.60 | 0.95 |
| 9. | College of Food Science & Tech., Pulivendula | 8.485 | 5.27 | 11.62 | 3.09 |
| 10. | College of Community Science, Guntur | 4.86 | - | - | 6.13 |
| 11. | Advance Post Graduate Centre, Lam | - | - | - | - |

**Table 65. Internal Resources Generation from Different Sources of Constituent Colleges of ANGRAU during the Year 2016 -17**

| S. No. | Name of the College | Non-University Fund (Rs. in lakh) | Hostel Fee (Rs. In Lakhs) | Revolving fund (Rs. in Lakhs) | Any Other (Rs. In Lakhs) |
|---|---|---|---|---|---|
| 1. | Agricultural College, Bapatla | 36.08 | 26.78 | 65.85 | 7.88 |
| 2. | S. V. Agricultural College, Tirupati | 79.11 | 36.46 | 1.35 | 57.10 |
| 3. | Agricultural College, Naira | 48.77 | 14.66 | 38.17 | - |
| 4. | Agricultural College, Mahanandi | 8.67 | 17.15 | 11.06 | 1.52 |
| 5. | Agricultural College, Rajahmundry | 17.70 | - | 10.71 | - |
| 6. | Dr. NTR College of Agril. Engg., Bapatla | 27.37 | 4.66 | 0.75 | - |
| 7. | College of Agril. Engg., Madakasira | 1.12 | 7.68 | 0.29 | - |
| 8. | Dr. NTR College of Food Science & Tech., Bapatla | 5.46 | 9.91 | 2.26 | 0.87 |
| 9. | College of Food Science & Tech., Pulivendula | 10.03 | 4.12 | 0.87 | 5.0 |
| 10. | College of Community Science, Guntur | 13.23 | - | - | - |
| 11. | Advance Post Graduate Centre, Lam | 3.22 | - | - | - |

**Table 66. Internal Resources Generation from Different Sources of Constituent Colleges of ANGRAU during the Year 2017 -18**

| S. No. | Name of the College | Non-University Fund (Rs. in lakh) | Hostel Fee (Rs. In Lakhs) | Revolving fund (Rs. in Lakhs) | Any Other (Rs. In Lakhs) |
|---|---|---|---|---|---|
| 1. | Agricultural College, Bapatla | 4.69 | 28.75 | 76.56 | 12.25 |
| 2. | S. V. Agricultural College, Tirupati | 99.89 | 41.63 | 6.12 | 1.54 |
| 3. | Agricultural College, Naira | 56.36 | 22.51 | 49.16 | - |
| 4. | Agricultural College, Mahanandi | 6.98 | 11.79 | 8.97 | 2.94 |
| 5. | Agricultural College, Rajahmundry | 20.71 | - | 1.23 | - |
| 6. | Dr. NTR College of Agril. Engg., Bapatla | 28.43 | 5.63 | 1.47 | - |
| 7. | College of Agril. Engg., Madakasira | 1.01 | 8.56 | 0.16 | - |
| 8. | Dr. NTR College of Food Science & Tech., Bapatla | 5.23 | 9.43 | 1.88 | 0.87 |
| 9. | College of Food Science & Tech., Pulivendula | 11.24 | 5.20 | 1.52 | - |
| 10. | College of Community Science, Guntur | 17.15 | - | 5.0 | - |
| 11. | Advance Post Graduate Centre, Lam | 1.87 | - | - | - |

**Table 67. Internal Resources Generation from Different Sources of Constituent Colleges of ANGRAU during the Year 2018 -19**

| S. No. | Name of the College | Non-University Fund (Rs. in lakh) | Hostel Fee (Rs. In Lakhs) | Revolving fund (Rs. in Lakhs) | Any Other (Rs. In Lakhs) |
|---|---|---|---|---|---|
| 1. | Agricultural College, Bapatla | 103.18 | 30.17 | 68.31 | 17.93 |
| 2. | S. V. Agricultural College, Tirupati | 129.16 | 49.74 | 14.56 | 2.10 |
| 3. | Agricultural College, Naira | 45.11 | 27.94 | 40.42 | - |
| 4. | Agricultural College, Mahanandi | 13.82 | 7.59 | 5.32 | 1.54 |
| 5. | Agricultural College, Rajahmundry | 32.12 | - | 2.04 | - |
| 6. | Dr. NTR College of Agril. Engg., Bapatla | 36.01 | 6.24 | 0.21 | - |
| 7. | College of Agril. Engg., Madakasira | 1.445 | 10.30 | 0.18 | - |
| 8. | Dr. NTR College of Food Science & Tech., Bapatla | 5.046 | 9.61 | 1.37 | 1.12 |
| 9. | College of Food Science & Tech., Pulivendula | 11.63 | 7.79 | 1.02 | - |
| 10. | College of Community Science, Guntur | 21.31 | - | - | - |
| 11. | Advance Post Graduate Centre, Lam | 5.37 | - | - | - |

**Table 68. Internal Resources Generation from Different Sources of Constituent Colleges of ANGRAU during the Year 2019 -20**

| S. No. | Name of the Colleges | Non-University Fund (Rs. in lakh) | Hostel Fee (Rs. In Lakhs) | Revolving fund (Rs. in Lakhs) | Any Other (Rs. In Lakhs) |
|---|---|---|---|---|---|
| 1. | Agricultural College, Bapatla | 45.96 | 33.85 | 21.35 | 13.80 |
| 2. | S. V. Agricultural College, Tirupati | 129.87 | 57.60 | 15.48 | 3.78 |
| 3. | Agricultural College, Naira | 47.53 | 29.71 | 53.46 | - |
| 4. | Agricultural College, Mahanandi | 17.55 | 34.59 | 13.75 | - |
| 5. | Agricultural College, Rajahmundry | 24.17 | - | 6.08 | - |
| 6. | Dr. NTR College of Agril. Engg., Bapatla | 42.24 | 7.1 | 1.34 | - |
| 7. | College of Agril. Engg., Madakasira | 1.472 | 12.36 | 0.24 | - |
| 8. | Dr. NTR College of Food Science & Tech., Bapatla | 6.11 | 11.07 | 0.73 | 0.55 |
| 9. | College of Food Science & Tech., Pulivendula | 13.30 | 6.09 | 0.32 | - |
| 10. | College of Community Science, Guntur | 28.20 | 10.35 | 1.13 | - |
| 11. | Advance Post Graduate Centre, Lam | 8.87 | - | - | - |

**6.6.8.4. External Funding (***How much resources the University has mobilized from the external sources (give the list) based on the competitive mode in the last five years*)

The following are the external sources of funds for ANGRAU since five years.

**Table 69. External Sources of Funds for ANGRAU**

| S. No. | Particulars | External Funding (Rs. lakhs) | | | | |
|---|---|---|---|---|---|---|
| | | **2015-'16** | **2016-'17** | **2017-'18** | **2018-'19** | **2019-20** |
| 1 | Direct Receipts | 882.83 | 893.95 | 1171.23 | 2357.47 | 3,524.35 |
| 2 | Revenue Expenditure | 26773.36 | 29512.13 | 28220.36 | 32992.03 | 37200.00 |
| 3 | Dept. sponsored schemes | 2.50 | -- | -- | 239.34 | 20.00 |
| 4 | RKVY | 137.00 | 1109.82 | 1222.84 | 2515.92 | 1,916.00 |
| 5 | ICAR Plan | 11137.34 | 9055.62 | 5044.13 | 5563.35 | 6,579.00 |
| 6 | Govt. of India | 73.04 | 208.68 | 219.72 | 233.51 | 156.00 |
| 7 | NABARD RIDF | -- | -- | -- | 39.48 | 1,600.00 |
| 8 | Other Agencies | 221.58 | 3263.51 | 4166.14 | 344.24 | 280.00 |
| 9 | Other Accounts | -- | -- | 2570.74 | 16603.16 | 15,824.00 |
| | **Total** | 40,461.65 | 44043.71 | 42615.16 | 60888.50 | 67,099.35 |

- Institutional Development Plan has been granted to ANGRAU by the National Agricultural Higher Education Project of ICAR (World Bank funded) with a budget outlay of Rs. 2910.01 Lakhs (Rs. 2410.01 Lakhs – NAHEP share & Rs. 500 Lakhs – ANGRAU share) for three financial years 2018-19, 2019-20 and 2020-21 at five accredited colleges of ANGRAU, Agricultural College, Naira; Agricultural College, Mahanandi; S.V. Agricultural College, Tirupati; Agricultural College, Bapatla, and Dr NTR College of Agricultural Engineering, Bapatla.
- An external fund for Rs. 500.052 lakhs was sanctioned in October 2018 for a period of two years by Society for Elimination of Rural Poverty (SERP), AP under the project name "Andhra Pradesh Rural Growth Inclusive Project (APRIGP) with the assignment "Selection of an agency in enhancing the livelihoods of small and marginal farmers through nutria & hygiene entrepreneurship promotion in Andhra Pradesh".



**Fig 35. Meeting on Development of Training Material for Master Trainers as a part of SERP Funded Project at APGC, Lam, Guntur on October 17, 2019**

**6.6.8.5. Financial Powers Delegation to Deans/Heads (***Give a report on the financial autonomy to College Deans, University Officers and Head of the Departments*)

The following are the details on financial powers delegated to University Officers, Associate Deans, Associate Directors of Research and Heads of Departments.

**Table 70. Particulars of Financial Powers Delegation to University Officers**

| Item | Extent of Delegation | Authority |
|---|---|---|
| Wages to labour | To the extent of budget provision | University Librarian; Associate Director of Research (ADR); Associate Dean (AD); Principals of Polytechnics; Professors; Associate Professors; & Assistant Professors |
| | | |
| Clothing and livery for Class-IV employees etc. | May incur expenditure to the extent necessary | University Librarian; Associate Director of Research (ADR); Associate Dean (AD); Principals of Polytechnics; Professors; Associate Professors; Assistant Professors; & Asst. Comptrollers of RAOs |
| | | |
| Electric bulbs and lamps | May purchase to the extent necessary | Estate Officer; University Librarian (UL); ADR; AD; Principal of Polytechnics |
| | To the extent of budget provision | Professors; Associate Professors; Assistant Professors; Asst. Comptrollers of RAOs |
| | | |
| Electric installations repairs only | May incur expenditure to the extent necessary | University Librarian; ADR; AD; Principals of Polytechnics; Professors; Associate Professors; Assistant Professors |
| | | |
| Electricity and water charges | May incur expenditure to the extent necessary | Dean of Agriculture (Dean Ag); Dean (AE&T); ADR; AD; Principals of |

| | | |
|---|---|---|
| | | Polytechnics; Professors; Associate Professors; Assistant Professors; Asst. Comptrollers of RAOs |
| | | |
| | | |
| Purchases | Rs. 1.0 Lakh at a time | Dean (Ag); Dean (Community Science); Dean of PG studies (Dean PG); Dean of Student Affairs (DSA); Dean (AE&T); Director of Research (DR); Director of Extension (DE); Estate Officer (EO); UL. |
| | Rs. 80,000 at a time | ADR; AD; Principals of Polytechnics; Professors |
| | Rs. 40,000 at a time | Associate Professors |
| | Rs. 30,000 at a time | Assistant Professors |
| | | |
| All types of Repairs | To the extent necessary | Dean (Ag); Dean (CS); Dean of PG studies; DSA; Dean (AE&T); DR; DE; EO; UL; ADR; AD; Principals of Polytechnics |
| | Rs. 15,000/- per annum | Professors |
| | Rs. 10,000/- per annum | Associate Professors |
| | | |
| Printing | Rs. 1.0 Lakh per annum | DA; Dean (CS); Dean of PG Studies; DSA; Dean (AE&T); DR; DE; EO; UL; |
| | Rs. 50,000 per annum | ADR; AD; Principals of Polytechnics; Professors |
| | Rs. 30,000 per annum | Associate Professors |
| | | |
| Service postage and telegram charges | To the extent of budget provision | UL; ADR; AD; Principals of Polytechnics; Professors; Associate Professors; Assistant Professors; Asst. Comptrollers of RAOs |
| | | |
| Stationery | Rs. 25,000 at a time | DA; Dean (CS); Dean (PG); DSA; Dean (AE&T); DR; DE; EO; UL; |
| | Rs. 15,000 at a time | ADR; AD; Principals of Polytechnics'; Professors |
| | Rs. 10,000 at a time | Associate Professors |
| | Rs. 5,000 at a time | Asst. Professors; Asst. Comptrollers of RAOs |
| | | |
| Telephone/Fax/Internet charges (excluding installation) | To the extent of budget provision | ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors; Asst. Comptrollers of RAOs |

| | | |
|---|---|---|
| Expenditure chargeable to contingencies | Rs. 5,000 at a time | Joint Registrar (JR) |
| | Rs. 2,000 at a time | Deputy Registrar; |
| | Rs. 1,000 at a time | Asst. Registrar; Asst. Comptrollers of RAOs |
| | Rs. 500 at a time | Administrative Officers |
| | | |
| Cultivation Expenses (including hiring of tractors and farm machinery) | May incur expenditure to the extent necessary | ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Manures, fertilizers, chemicals and pesticides | May incur expenditure to the extent necessary | ADR; AD; Principal of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Seeds and Plants | May incur expenditure to the extent necessary | ADR; AD; Principal of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Gunny, cloth, paper, tassel bags etc. | May incur expenditure to the extent necessary | ADR; AD; Principal of Polytechnics; Professors; Assoc Professors; Asst. Professors |
| | | |
| Field day, Kisan Mela, Exhibition | To the extent of budget provision | DA; Dean (CS); Dean (PG); DSA; Dean (AE&T); DR; DE; EO; UL; ADR; AD; Principals of Polytechnics; Professors; Assoc. Professor; Asst. Professor |
| | | |
| Livestock (Fresh purchases including replacement) | Rs. 2.0 Lakhs per annum | DA; Dean (CS); Dean (PG); Dean (AET); DR; DE; |
| | Rs. 1.0 Lakh per annum | ADR; AD; Principal of Polytechnics; Professors |
| | Rs. 75,000/- per annum | Assoc. Professors |
| | Rs. 50,000 per annum | Asst. Professors |
| | | |
| Feed and Fodder | May incur expenditure to the extent necessary | ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Medicines for livestock | To the extent of budget provision | ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Utensils in hostels, | To the extent of budget | DSA |

| | | |
|---|---|---|
| guest house-replacements | provision in respect of hostels | |
| | To the extent of budget provision | ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Hospital requirements | To the extent of budget provision | DSA; AD; Principals of Polytechnics |
| | | |
| Freight charges | May incur expenditure to the extent necessary | UL; ADR; AD; Principal of Polytechnics; Professors; Assoc. Professors; Asst. Professors; Asst. Comptroller of RAOs |
| | | |
| Land revenue and property taxes | To the extent of budget provision | ADR; AD; Principal of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Rent on hired buildings | Rs. 20,000 per month | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE |
| | Rs. 10,000 per month | ADR; AD; Principal of Polytechnics; Professors |
| | Rs. 5,000 per month | Assoc. Professors |
| | Rs. 2,000 per month | Asst. Professors |
| | | |
| Books, journals, periodicals and E-resources (including binding/lamination charges) | To the extent of budget provision | UL; ADR; AD; Principal of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Advertising Charges | To the extent of budget provision | UL; ADR; AD; Principal of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Electricity Fittings (including wiring) | Rs. 50,000 at a time | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL |
| | Rs. 25,000 at a time | ADR; AD; Principals of Polytechnics |
| | Rs. 15,000 at a time | Professors |
| | Rs. 10,000 at a time | Associate Professors |
| | Rs. 5,000 at a time | Asst. Professors |
| | | |
| Works (Original) | May sanction expenditure on buildings the estimate for which | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL |

| | | |
|---|---|---|
| | does not exceed Rs. 10.00 Lakhs at a time | |
| | May sanction expenditure on buildings the estimate for which does not exceed Rs. 5.00 Lakhs at a time | ADR; AD; Principal of Polytechnics; |
| | May sanction expenditure on buildings the estimate for which does not exceed Rs. 3.00 Lakhs at a time | Professors |
| | May sanction expenditure on buildings the estimate for which does not exceed Rs. 2.00 Lakhs at a time | Associate Professors |
| | May sanction expenditure on buildings the estimate for which does not exceed Rs. 1.00 Lakhs at a time | Asst. Professors |
| | | |
| Works (repairs) | May sanction expenditure on repairs of buildings the estimate for which does not exceed Rs. 3.00 lakhs at a time | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL |
| | May sanction expenditure on repairs of buildings the estimate for which does not exceed Rs. 2.00 lakhs at a time | ADR; AD; Principals of Polytechnics |
| | May sanction expenditure on repairs of buildings the estimate for which does not exceed Rs. 1.00 lakhs at a time | Professors |
| | May sanction expenditure on repairs of buildings the estimate for which does not | Associate Professors |

| | | |
|---|---|---|
| | exceed Rs. 75,000 at a time | |
| | May sanction expenditure on repairs of buildings the estimate for which does not exceed Rs. 50,000 at a time | Asst. Professors |
| | | |
| Machinery & Equipment/tools and plant (Purchases of apparatus, instruments, lab, machinery, computers, typewriters, duplications, computer accessories, photocopier and the like including those requiring electricity including audio-visual, refrigerators, air coolers but excluding air conditioners. | To the extent of budget provision | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL |
| | Rs. 2.0 lakhs per item | ADR; AD; Principal of Polytechnics; Professors |
| | Rs. 1.0 Lakh per item | Assoc. Professors |
| | Rs. 50,000 per item | Asst. Professors |
| | | |
| Machinery and equipment/tools and plant (purchase of farm machinery and farm tools) | To the extent of budget provision | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL |
| | Rs. 2.0 Lakhs at a time | ADR; AD; Principals of Polytechnics; Professors |
| | Rs. 1.0 Lakh at a time | Assoc. Professors |
| | Rs. 50,000 at a time | Asst. Professors |
| | | |
| Machinery and equipment/tools and plant (Purchase of electric motors and oil engine pumpsets) | To the extent of budget provision | ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Machinery and equipment/tools and plant (Hiring of Machinery) | Rs. 1.0 Lakh at a time | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL |
| | Rs. 50,000 at a time | ADR; AD; Principals of Polytechnics; Professors |
| | Rs. 40,000 at a time | Assoc. Professors |
| | Rs. 20,000 at a time | Asst. Professors |

| | | |
|---|---|---|
| Motor vehicles (Repairs and replacements) | Rs. 50,000 at a time | Dean (Ag); Dean (CS); DSA; Dean (AET); DR; DE; |
| | Rs. 30,000 at a time | Transport Officer TO); ADR; AD; Principals of Polytechnics; |
| | Rs. 15,000/- at a time | Professors |
| | Rs. 10,000/- at a time | Assoc. Professors |
| | Rs. 5,000/- at a time | Asst. Professors |
| | | |
| Hiring of Motor Vehicles (as per rules and norms) | Rs. 40,000 at a time | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET): DR; DE |
| | Rs. 20,000 at a time | ADR; AD; Principals of Polytechnics |
| | Rs. 15,000 at a time | Professors |
| | Rs. 10,000 at a time | Associate Professors |
| | Rs. 5,000 at a time | Asst. Professors |
| | | |
| Motor Vehicles (Oils & Lubricants) | To the extent of budget provision | TO; ADR; AD; Principal of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Motor Vehicles (Tools to workshop & workshop machinery) | May incur expenditure of Rs. 20,000 at a time | TO |
| | | |
| Maintenance (Repairs, maintenance including annual maintenance of apparatus, instruments lab, machinery/printing press, computers and type writers and duplicators, computer accessories, photocopier, printers and the like including those requiring electricity | To the extent of budget provision | UL; ADR; AD; Principals of Polytechnics; Professors; Associate Professors; Asst. Professors; Asst. Comptrollers of RAOs |
| | | |
| Maintenance (Repairs of farm machinery and farm tools) | Rs. 50,000 at a time | Dean (Ag); Dean (CS); Dean (PG); Dean (AET); DR; DE; |
| | Rs. 40,000 at a time | AD; Principals of Polytechnics |

| | | |
|---|---|---|
| | Rs. 30,000 at a time | Professors |
| | Rs. 20,000 at a time | Associate Professors |
| | Rs. 10,000 at a time | Asst. Professors |
| | | |
| Maintenance (Repairs & maintenance of electric motors and oil engine pumpsets) | To the extent of budget provision | ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Materials and Supplies (Cameras, camera accessories, photography materials and other charges) | To the extent of budget provision | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; UL |
| | Rs. 25,000 at a time | ADR; AD; Principals of Polytechnics; Professors |
| | Rs. 15,000 at a time | Assoc. Professors |
| | Rs. 10,000 at a time | Asst. Professors |
| | | |
| Write off of stores (Value of the unserviceable articles due to wear and tear) | Next higher officer than the purchasing officer | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL; ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Write off of stores (Value of the losses of articles other than normal wear and tear) (value of outdated publications0 | Rs. 1.0 Lakh per annum | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL |
| | Rs. 60,000 per annum | ADR; AD; Principals of Polytechnics; Professors |
| | Rs. 40,000 per annum | Assoc. Professors |
| | Rs. 20,000 per annum | Asst. Professors |
| | | |
| Write off of stores (Value of the losses of articles other than by normal wear and tear) (Value of livestock dead or destroyed) | To the extent necessary | Dean (Ag); Dean (CS); Dean (PG); Dean (AET); DR; DE; |
| | Upto Rs. 25,000 per animal, limited to Rs. 1,50,000 per year | ADR; AD; Principals of Polytechnics; Professors |
| | Upto Rs. 20,000 per animal, limited to Rs. 1,00,000 per year | Associate Professors |
| | Upto 10,000 per animal, limited to Rs. 50,000 per year | Asst. Professors |
| | | |
| Write off of stores (Value of the losses of articles other than by normal wear and tear) | Up to 5% of the stock purchase | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL; |

| | | |
|---|---|---|
| (Value of losses due to wastage and driage of seeds, seed materials) | | |
| | Up to 1% of the stock purchase | ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Write off of stores (Value of losses of articles other than by normal wear and tear) (Value of losses due to wastage of manures, oilcakes, feeds, pesticides, chemicals, manure and fertilizers | Up to 5% of the quantity purchased and stock during the year | Dean (Ag); Dean (CS); Dean (PG); Dean (AET); DR; DE |
| | Upto 1% of the quantity purchased and stock during the year | ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors |
| | | |
| Refunds | Empowered to refund book deposits | UL |
| | Empowered to refund tuition fee to those who are eligible for half fee or full concession and other deposits | AD; Principals of Polytechnics |
| | | |
| Refund of earnest money deposits for auction sales/tenders | To the extent of amount deposited | UL; ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors; Asst. Professors |
| | | |
| Drawal of amount on A.C. bills | Rs. 1,00,000/- | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; EO; UL |
| | Rs. 50,000/- | ADR; AD |
| | Rs. 15,000/- | Principals of Polytechnics |
| | | |
| Open Tender system (Stores) | Open tender system has to be followed when the estimated value of the order is more than Rs. 5,00,000/- as per G.O. Ms. No. 489, Fin. (TER.I) Department, dt. 8.12.2008 adopted by | Dean (Ag); Dean (CS); Dean (PG); DSA; Dean (AET); DR; DE; UL; ADR; AD; Principals of Polytechnics; Professors; Assoc. Professors;Asst. Professors |

| | | |
|---|---|---|
| | the University vide Proc. No. 305/SC/A1/2009 dt. 29.05.2009 | |
| | | |
| Purchase of non-recurring items from "lab charges" | Can purchase non-recurring items costing up to Rs. 15,000/- each from the sub-head "Lab Charges" | AD |

**6.6.8.6. Finance Utilization: (***Mention in brief about per cent finance utilization in last five years***)**

The finance utilization particulars pertaining to various revenue sources to ANGRAU are urnished below.

**Table 71. Finance Utilization Particulars during Last Five Years**

**(Amount in Lakhs)**

| S.No. | Particulars | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | | 2019-20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Grants – in – Aid | Expen-diture | Grants – in – Aid | Expen-diture | Grants – in – Aid | Expen-diture | Grants – in – Aid | Expen-diture | Grants – in – Aid | Expen-diture |
| 1. | Direct Receipt | 882.83 (2.13) | - | 893.95 (2.03) | 1419.28 (2.83) | 1171.23 (2.75) | 1494.96 (3.08) | 2357.47 (3.87) | 2264.26 (3.77) | 3524 (5.25) | - |
| 2. | Revenue Expenditure (Earlier Non Plan) | 26773.36 (66.17) | 26485.58 (68.12) | 29512.13 (67.01) | 30006.42 (59.80) | 28220.36 (66.22) | 31523.02 (64.94) | 32992.03 (54.18) | 32134.98 (53.56) | 37200 (55.44) | - |
| 3. | Dept. Sponsored Schemes | 2.50 ( 0.01) | 611.71 (1.57) | - | - | - | - | 239.34 (0.39) | 245.93 (0.41) | 20 (0.03) | - |
| 4. | R.K.V.Y | 1371.00 ( 3.39) | 480.29 (1.24) | 1109.82 (2.52) | 557.84 (1.11) | 1222.84 (2.87) | 681.12 (1.40) | 2515.92 (4.13) | 658.55 (1.10) | 1916 (2.86) | - |
| 5. | ICAR Plan | 11137.34 (27.53) | 10686.70 (27.48) | 9055.62 (20.56) | 3579.76 (7.13) | 5044.13 (11.84) | 4673.95 (9.63) | 5563.35 (9.15) | 5927.40 (9.88) | 6579 (9.80) | - |
| 6. | NABARD – RIDF | - | - | - | - | - | - | 39.48 (0.06) | 2975.72 (4.96) | 1600 (2.38) | - |
| 7. | Government of India | 73.04 ( 0.18) | 419.66 (1.08) | 208.68 (0.47) | 362.66 (0.72) | 219.72 (0.52) | 195.50 (0.40) | 233.51 (0.38) | 179.78 (0.30) | 156 (0.23) | - |
| 8. | Other Agencies | 221.58 ( 0.55) | 199.18 (0.51) | 3263.51 (7.41) | 153.38 (0.31) | 4166.14 (9.77) | 5689.87 (11.72) | 344.24 (0.57) | 264.31 (0.44) | 280 (0.42) | - |
| 9. | Other Accounts | - | - | - | 14103.20 (28.10) | 2570.74 (6.03) | 4282.58 (8.83) | 16603.16 (27.27) | 15350.37 (25.58) | 15824 (23.58) | - |
| | Grand Total | 40,461.65 (100.00) | 38,883.12 (100.00) | 44043.71 (100.00) | 50182.54 (100.00) | 42615.16 (100.00) | 48541.00 (100.00) | 60888.50 (100.00) | 60001.30 (100.00) | 67099.35 (100.00) | - |

**Note: Figures in parentheses indicate per cent to respective total**

### 6.6.9. ACCOMPLISHMENTS

**6.6.9.1. Awards for the University: (***Provide the detailed list of Regional, National and International Awards received by the University in last five years*)

**a) Fourth-Highest Civilian Awards to Hon'ble Vice Chancellors**

- Two former Vice Chancellors of ANGRAU viz., Dr. M. V. Rao (1999) and Dr. I. V. Subba Rao (2002) were conferred with Nation's Civil Award "Padmashri".

**b). ICAR Ranking of ANGRAU**

- ANGRAU scored 13$^{th}$ rank in the ICAR ranking system for the Agricultural Universities in India for the year 2019.

**b) Awards for outstanding performance by students**

- ICAR-JRF Award (1999, 2004, 2011 and 2018).
- National Youth Parliament Competition Award (Third in 1999-2000 and Sixth in 2002-'03).
- ICAR Award for securing highest number of Post Graduate Scholarships (2$^{nd}$ position) during 2019**.**

**c) Outstanding Institute Awards**

- Sardar Patel Outstanding ICAR Institution Award (1999 and 2007).
- ICAR Vasantha Rao Naik Award for development and application of dryland technology for ARS, Ananthapuramu (2004 and 2015).
- Most Popular Exhibit Award" (2006) at the 93$^{rd}$ Indian Science Congress, a prestigious national event hosted for the first time by ANGRAU.
- ANGRAU has received the "Best Stall Award" at Kisan Mela organized by the UAS-Bangalore, Karnataka during 16-20 November 2011.
- Certificate of Excellence under ICAR Seed Project (2014-'15).

- ICAR Zonal Best KVK Award to the KVK, Amadalavalasa, Srikakulam district for the year 2015-‘16
- ICAR Zonal Best KVK for the Zone V (Andhra Pradesh, Telangana and Tamil Nadu) for the KVK, Utukur, Kadapa (2016).
- The Best AICRP Millet Centre for the ARS, Vizianagaram (2017-’18).

**d) Recognitions/Accreditations**

- The University is accredited both by the University Grants Commission (UGC) and the Indian Council of Agricultural Research (ICAR).

### 6.6.9.2 Accreditation Report from ICAR/other agencies

(*Whether the University and its colleges were accredited by the ICAR and other agencies in the past?. What was the recommendation of the accreditation agencies? Whether the University has taken the action taken report and submitted the reply to the accreditation agencies? Provide the detailed action taken report for each observation*).

The National Agricultural Education Accreditation Board (NAEAB) of ICAR has granted accreditation to ANGRAU. The University has completed two cycles of accreditation during 20.08.2011 and 27.03.2021 and now aspiring for “Cycle 3-Accreditation” beyond 2021. The University has attended to the recommendations/observations of the NAEAB. The “**Action Taken Report**” already submitted for each of the observations is presented hereunder.

**1. Present jurisdiction of the University with reference to its constituent Colleges, Research Stations, KVKs and other establishments**

After bifurcation of the State of Andhra Pradesh as per the Andhra Pradesh Re-organization Act 2014, the present jurisdiction of the ANGRAU is limited to 13 districts remained with the new state of Andhra Pradesh. At present, the University is offering various courses at UG, PG and Doctoral levels in Agriculture, Agricultural Engineering & Technology and Home

Science faculties through ten (10) constituent Colleges comprising 5 Agricultural Colleges, 2 Colleges of Agricultural Engineering, 2 Colleges of Food Science and Technology and 1 College of Home Science spread across the state (Table 1). University is also offering Diploma courses in Agriculture, Seed Technology and Agricultural Engineering for rural youth through 17 University Polytechnics and 39 affiliated Private Polytechnics (Table 2). Besides education, University is concentrating on research through its 36 Research Stations spread across all the 13 districts of the state under six Agro climatic Zones, each headed by a Regional Agricultural Research Station (Table 3). The outcome of research and the technologies developed are taken to the farmers by Extension Services through 12 *Krishi Vigyan Kendras* (KVKs), 13 District Agricultural Advisory and Transfer of Technology Centres (DAATTCs) and Farmers Call Centre.

**Constituent Colleges (Agriculture, Agricultural Engineering and Home Science) under ANGRAU**

**a) Faculty of Agriculture:**

1. Agricultural College, Bapatla-522101, Guntur district (1945): B.Sc. (Ag.), M.Sc. (Ag.) and Ph.D. (Ag.).
2. S V Agricultural College, Tirupati – 517 502, Chittoor Dist. (1961): B.Sc. (Ag.), M.A.B.M., M.Sc. (Ag.) and Ph.D. (Ag.).
3. Agricultural College, Mahanandi – 518 502, Kurnool district (1991): B.Sc. (Ag.) and M.Sc. (Ag.)
4. Agricultural College, Naira – 532 185, Srikakulam Dist (1989) : B.Sc. (Ag.) and M.Sc. (Ag.)
5. Agricultural College, Rajahmundry – 533 101, East Godavari Dist (2008): B.Sc. (Ag.)

**b) Faculty of Agricultural Engineering & Technology**

1. College of Agricultural Engineering, Bapatla – 522 101, Guntur Dist: (1990): B.Tech. (Ag.Engg.), M. Tech. (Ag. Engg.)
2. College of Agricultural Engineering, Madakasira - 515 301, Anantapuram Dist. (2008): B.Tech. (Ag.Engg.)
3. College of Food Science & Technology, Bapatla – 522 101, Guntur Dist. (1983): B.Tech. (Food Technology)
4. College of Food Science & Technology, Pulivendula – 516 390, YSR Dist. (2008): B.Tech. (Food Technology)

c) **Faculty of Home Science**

College of Home Science, Guntur district (2013): B.Sc. (Hons) Home Science

**Polytechnics under ANGRAU :**

1. Agriculture Polytechnic, Regional Agricultural Research Station, Maruteru – 534 122 West Godavari Dist (1999): Diploma in Agriculture
2. Agriculture Polytechnic, Regional Agricultural Research Station, Anakapalle – 531 001 Visakhapatnam Dist (1999): Diploma in Agriculture
3. Agriculture Polytechnic Podalakur– 524345, SPS Nellore Dist. (2005): Diploma in Agriculture
4. Agriculture Polytechnic, Reddipalle– 515001, Anantapuram Dist. (2005): Diploma in Agriculture
5. Agriculture Polytechnic, Utukur – 516 003, YSR Dist. (2005): Diploma in Agriculture
6. Agriculture Polytechnic Garikapadu – 521175, Krishna Dist. (2007): Diploma in Agriculture

7. Agriculture Polytechnic Madakasira– 515 301, Anantapuram Dist. (2007): Diploma in Agriculture
8. Agriculture Polytechnic, Regional Agricultural Research Station, Chintapalli-531 111 Visakhapatnam Dist.(2011): Diploma in Agriculture
9. Agriculture Polytechnic, Regional Agricultural Research Station, Nandyal – 518 502 Kurnool Dist (2011): Diploma in Agriculture
10. Seed Technology Polytechnic, ARS, Jangamaheswarapuram,Gurajala-522415, Guntur Dist.: (2011): Diploma in Seed Technology
11. Agriculture Polytechnic Regional Agricultural Research Station, Lam-522034, Guntur Dist.: (2012): Diploma in Agriculture
12. Agriculture Polytechnic, Regional Agricultural Research Station, Tirupati – 517 502 Chittoor Dist.(2012): Diploma in Agriculture.
13. Agriculture Polytechnic, Somasila, SPS Nellore Dist.: (2012): Diploma in Agriculture
14. Agriculture Polytechnic, Kalikiri- 517234, Chittoor Dist. (2012): Diploma in Agriculture
15. Agriculture Polytechnic, Rampachodavaram, Rajahmundry – 533 103, East Godavari Dist. (2013): Diploma in Agriculture
16. Agricultural Engineering Polytechnic, Kalikiri- 517234, Chittoor Dist.: (2013): Diploma in Agricultural Engineering
17. Agricultural Engineering Polytechnic, Anakapalle– 531 001, Visakhapatnam dist. (2013): Diploma in Agricultural Engineering

**Polytechnics affiliated to ANGRAU**

1. Dr. N.R.R. Agril. Polytechnic, Nelliparthi, Vizianagaram Dist. (2010): Diploma in Agriculture
2. S.B.L.R. Educational Society, Kambhalapadu, Podili, Prakasam Dist. (2010): Diploma in Agriculture
3. Nova Educational Society, Vegavaram, Jangareddygudem, West Godavari Dist. (2011): Diploma in Agriculture
4. Nova Educational Society, Nuzvid, Krishna Dist. (2011): Diploma in Agriculture
5. Dr. N.R.R. Agril. Polytechnic, Nelliparthy, Vizianagaram Dist. (2011): Diploma in Seed Technology
6. Chegondi Hara Rama Jogaiah Educational Society, Palakollu, West Godavari Dist.(2012): Diploma in Agriculture
7. SadineniChowdaraiah Educational Society, Maddirala, Guntur (2012): Diploma in Agriculture
8. SBVR Educational Society, Badvel, Kadapa (2012): Diploma in Agriculture
9. Sri Lalitha Educational Society, Draksharamam, East Godavari Dist. (2012): Diploma in Agriculture
10. Sri Lalitha Educational Society, Nuzividu, Krishna Dist.(2012): Diploma in Agriculture
11. SBVR Educational Society, Badvel, Kadapa (2012): Diploma in Seed Technology
12. B.R. Agril. Polytechnic, Narsipatnam, Visakhapatnam (2013): Diploma in Agriculture
13. Sri Bellamkonda Lakshmi Ranga Educational Society, Kambhalapadu, Podili, Prakasam Dist. (2013-'14): Diploma in Agricultural Engineering

14. Varaha Lakshmi Narasimhaswamy Educational Trust, 57th Division, Narava, Visakhapatnam (2013-'14): Diploma in Agricultural Engineering
15. Sri Lalitha Educational Society, Pydah Polytechnic of Agril. Engineering, Kakinada (2013-'14): Diploma in Agricultural Engineering
16. Nova Agricultural Engineering Polytechnic (Nova Education Society), Vegavaram, West Godavari (2013-'14): Diploma in Agricultural Engineering
17. Chegondi Hara Rama Jogaiah Education Society, Palkol, West Godavari Dist. (2013-'14): Diploma in Agricultural Engineering
18. Sri BuddalaNarasimhamurthySevaSangam, Tanuku, West Godavari Dist. (2014): Diploma in Agriculture
19. MedarametlaAnajammaMastan Rao Memorial Service Society, Kesanupalle, Narasaraopet (2014): Diploma in Agriculture
20. MedarametlaAnjammaMastan Rao Memorial Service Society, Muppala (v), Iput, Guntur (2014): Diploma in Agriculture
21. Shankar Education Society, PeddapesthaVeedhi, Kadapa (2014): Diploma in Agriculture
22. GM Institute of Rural Development Health Education Society, Nandyal, Kurnool (2014): Diploma in Agriculture
23. M.P.M. Trust, Moolapalem, Ainavelli Mandal, East Godavari Dist.(2014): Diploma in Agriculture.
24. Vikas Education Society, Etcherla, Srikakulam (2015): Diploma in Agriculture
25. S.S. & N College Committee, Narasaraopet, Guntur Dist.(2015): Diploma in Agriculture
26. BheeramSreedar Reddy Charitable Trust, Khojipet, Kadapa (2015): Diploma in Agriculture

27. The Secretary Siddartha Academy, Tirupathi (2015): Diploma in Agriculture
28. Sampathi Education Society, Puttur – 517583 (2015): Diploma in Agriculture
29. Aadaana Group of Companies, Municipal Complex, Nantpurammu-515001 (2015): Diploma in Agriculture
30. St. Marys Christian Minority Educational Society, Medarametla, PrakasamDist (2015): Diploma in Agriculture
31. Sai Balaji Educational Society, Markapur (2015): Diploma in Agriculture
32. The Secretary & Correspondent, Srihari Education Society, B.Comp, Kurnool (2015): Diploma in Agriculture
33. Mother Teresa's Educational Society, (Gokul College of Agril. Poly.), Bobbili, Vizianagaram Dist. (2015): Diploma in Agriculture
34. Vijaya Sai Educational Society, Koyyalagudem, West Godavari Dist.(2015): Diploma in Agriculture
35. Sri Giri Educational Society, Vinukonda, Guntur Dist.(2015): Diploma in Agriculture
36. The President Cum Correspondent, AishahJuwayriah Minority Ednl. 7 Rural Development Society, Kadapa Dist. (2015): Diploma in Agriculture
37. The Chairman, RASS-KVK Vanasthali, Karakambadi Village, Renugunta Mandal, Chittoor Dist (2015): Diploma in Agriculture
38. The Committee of SadineniChowdaraiah College, Maddirala, Guntur Dist. (2015): Diploma in Seed Technology
39. B.R. Agricultural Polytechnic, Narsipatnam, Visakhapatnam (2015): Diploma in Seed Technology

**Agro-Climatic Zone-Wise List of Research Stations Under Jurisdiction of the ANGRAU**

**I Krishna Zone**

1. **Guntur district**
   - **a)** Regional Agricultural Research Station, Lam - 522 034,
   - **b)** Rice Research Unit, Bapatla -522101
   - c) Post Harvest Technology Centre, Bapatla-
   - **d)** Saline Water Scheme, Bapatla-522101
   - **e)** AICRP on Small Millets, Bapatla-522101
   - **f)** AICRP on Farm Implements & Machinery, Bapatla-522101
   - **g)** Agricultural Research Station, Amaravati - 522 020
   - **h)** Agricultural Research Station, Jangamaheswarapuram -522 415
2. **Krishna District**
   - **a)** Agricultural Research Station, Vuyyur - 522 165
   - b) Agricultural Research Station, Machilipatnam - 521 002
   - c) Agricultural Research Station, Garikapadu - 521 175
3. Agricultural Research Station, Ghantasala - 521 133

**Prakasam district**

a) Agricultural Research Station, Darsi - 523 247

**II. Godavari Zone**

**1. West Godavari district**

a) A.P.Rice Research Institute & RARS, Maruteru - 534 122

b) Agricultural Research Station,Pulla

c) Agricultural Research Station, Vijayarai – 534475

**2. East Godavari district**

a) Agricultural Research Station, Peddapuram - 533 437

**III. NORTH COASTAL ZONE**

**1. Visakhapatnam District**

a) Regional Agricultural Research Station, Anakapalle - 531 001

b) Agricultural Research Station, Yelamanchili - 531 005

2. **Srikakulam District:**
    a) Agricultural Research Station, Amadalavalasa - 532185
    b) Agricultural Research Station,Ragolu - 532 484
3. **Vizianagaram District:**
    a) Agricultural Research Station, Vizianagaram

**IV. SOUTHERN ZONE**

1. **Chittoor district**
    a) Regional Agricultural Research Station, Tirupati - 517 502
    b) Agricultural Research Station, Perumallapalli - 517 505
    c) Agricultural Research Station, Palamaneru
2. **SPS Nellore District**
    a) Agricultural Research Station, Nellore-524004
    b) Agricultural Research Station, Kavali - 524 202
    c) Agricultural Research Station, Podalakur-524345
3. **YSR (Kadapa) District**
    a) Agricultural Research Station, Utukur - 516 003

**V. SCARCE RAINFALL ZONE**

1. **Kurnool district**

a) Regional Agricultural Research Station, Nandyal- 518 502

b) Seed Technology Research and Production Centre, Thangadancha

2. **Anantapuram district**

a) Agricultural Research Station, Anantapuram 515 001

b) Agricultural Research Station, Reddipalli 515 001

c) Agricultural Research Station, Kadiri - 515 591

**VI. HIGH ALTITUDE AND TRIBAL ZONE**

1. **Visakhapatnam district**
    a) Regional Agricultural Research Station, Chintapalle - 531 111

**2) Srikakulam district**

a)Agricultural Research Station, Seethampet - 532 443

**I. District Agricultural Adivsory& Transfer of Technology Centres (DAATTCs)**

1) DAATTC, RARS, Lam, Guntur-522004
2) DAATTC, RARS, Anakapalle-531001
3) DAATTC, ARS, Machilipatnam-521002
4) DAATTC, Agricultural Market Committee Premises, Vizianagaram-535001
5) DAATTC, Agrl. Market Committee Premises, Eluru-534005, WG district
6) DAATTC, ARS, Amadalavalasa-532185, Srikakulam district
7) DAATTC, Agrl. Market Committee Premises, Kakinada-533004, East Godavari district
8) DAATTC, Agrl. Market Committee Premises, Nellore-524003
9) DAATTC, Agrl. Market Committee Premises, Ongole-523002
10) DAATTC, ARS, Utukur-516003, YSR Kadapa district
11) DAATTC, Agrl. Market Committee Premises, Gooty Road, Anantapuram-515001
12) DAATTC, Agrl. Market Committee Premises, Kurnool-518003
13) DAATTC, Agrl. Market Committee Premises, Chittoor-517001

II. ***KRISHI VIGYAN KENDRAS*** **(KVKs)**

1) Krishi Vigyana Kendra, Bukkarayasamudram (Mandal), Reddipalli – 515 001, AnantapuramDist
2) Dr.K.L.Rao Krishi Vigyan Kendra, Agricultural Research Station, Garikapadu – 521 175 Krishna Dist.
3) Krishi Vigyana Kendra, Rastakuntabai – 530 523, (via) Gummalaxmipuram, Vizianagaram Dist.

4) Krishi Vigyana Kendra, Amadalavalasa – 532 185, Srikakulam Dist
5) Krishi Vigyana Kendra, R.V. Nagar B P O, Utukur- 516 003, Kadapa, YSR district
6) Krishi Vigyana Kendra, H.No.4-41 B, Caritianpeta, Undi – 534 199, West Godavari Dist.
7) Krishi Vigyana Kendra, Opp: Royal Enfield Showroom,Near: G.V.R.R. Junior College,Mini Bypass Road, A.K. Nagar (PO),Nellore – 524 004
8) Krishi Vigyan Kendra, Agricultural Research Station,Darsi – 523 247, Prakasam Dist.
9) Krishi Vigyana Kendra, BangoloreRoad,Yerrampally (Post), Kalyandurg – 515 761 Anantapur Dist.
10) Krishi Vigyana Kendra, Banavasi – 518 360, Yemmiganur, GLS Farm, Kurnool Dist.
11) Krishi Vigyana Kendra, Kalikiri – 517 234, Chittoor Dist.
12) Krishi Vigyana Kendra, Ghantasala, Krishna Dist.

2. **Cadre-wise Faculty distribution for University Head Quarter, all Constituent Colleges, Research Stations, KVKs and other establishments**

After bifurcation of the University into PJTSAU and ANGRAU, the cadre-wise distribution of the faculty in all the Constituent Colleges, Research Stations, KVKs and other establishments is given below:

- **Administrative Office:** Professors (10); Associate Professors (1); Asst Professors (4)
- **Constituent Colleges:** Professors (29); Associate Professors (80); Asst. Professors (236)
- **University Polytechnics:** Professors (3); Associate Professors (9); Asst. Professors (25)
- **Research Stations:** Professors (18); Associate Professors (63); Asst. Professors (185)
- **DAATTCs:** Professors (1); Associate Professors (2); Assistant Professors (38);
- **KVKs:** Professors (6); Associate Professors (6); Assistant Professors (67)

A total of 67 Professors; 161 Associate Professors; 555 Assistant Professors are in roll in all the University. (total teaching staff, grand total is 783).

**3. Present filled position of the statutory officers**

During bifurcation of the University, six out eleven statutory posts in addition to Vice-Chancellor position devolved to the ANGRAU as per the Andhra Pradesh Re-organization Act-2014. The posts of Director of Research, Dean of PG Studies, Dean of Agricultural Engineering & technology, Dean of Home Science, Comptroller and Estate Officer, which were devolved to the ANGRAU, are filled up. The remaining posts such as Registrar, Dean of Agriculture, Director of Extension, Dean of Student Affairs and University Librarian, which are needed to run the University, are temporarily filled with senior professors in the faculty as in-chargesdue to non availability of regular posts. The present filled position of the Statutory Officers of the ANGRAU is as follows.

a) Dr. A. Padmaraju, Vice Chancellor (14.02.2013 to 12.02.2016)
b) Dr. T.V. Satyanarayana, Registrar (i/c)* (04.09.2014 to 24.03.2018)
c) Dr. K. Raja Reddy,Director of Research (01.01.2014 to 21.12.2015)
d) Dr. N. V. Naidu, Director of Extension (i/c)* (09.11.2015 to 21.12.2015)
e) Dr. R. Veeraraghavaiah, Dean of Student Affairs (i/c)* (20.11.2014 to 22.12.2015)
f) Dr. T. Ramesh Babu, Dean of Agriculture (i/c)* (01.09.2014 to 24.03.2018)
g) Dr. T. Ramesh Babu, Dean of Post Graduate Studies (01.01.2014 to 21.12.2015)
h) Dr. (Mrs.) T. Neeraja, Dean of Home Science (09.11.2015 to 23.03.2018)
i) Dr. D. Bhaskara Rao, Dean of Agrl. Engg. & Technology (09.11.2015 to 26.03.2018)

j) Mr. K. Lakshmipathi Raju, Comptroller (08.08.2014 to 31.01.2018)

k) Smt. N. MadhaviSukanya, Estate Officer (18.11.2015 to 29.06

l) Mr. K. Lakshmipathi Raju, University Librarian (i/c)*

m) Dr. A. Sivasankar, Controller of Examinations (09.09.2014 to Till date)

***** Original sanction positions devolved to the PJTSAU, a new University formed in the State of Telangana after bifurcation

4. **The ICAR Model Act 2009 has to be implemented taking into consideration of composition of the Board of Management of the Recruitment of Officers, Governance and other related issues. The PRT noted the same has been also heighlighted by the previous PRT team during accreditation process**

The ANGRAU (APAU earlier) Act is amended in accordance with the ICAR Model Act 2009 by appointing a committee to review the Acts and Statutes. The ANGRAU Act amended as per the ICAR Model Act 2009 was approved by the Board of Management of the University and it was submitted to the Government of Andhra Pradesh. The University is awaiting Governments approval for implementation. In the amended act the recruitments procedures and service conditions of all the officers of the University are strictly on a par with the ICAR guide lines. Further, the composition of the Board of Management of the University is almost in tune with the ICAR guide lines.

5. **The inbreeding in faculty has been observed across all the Constituent Colleges of this University, which needs to be corrected by making the selection open at the National Level. The mandatory Telugu language requirement should be relaxed**

The recruitment of the faculty in the ANGRAU is purely based on nationwide competition only since it is clearly mentioned in the Acts and Statutes of the University to discourage inbreeding and to encourage nationwide talent. The requirement of working knowledge of local language, Telugu, is only for the entry level cadre and not for other levels since the entry level cadre staff have to interact regularly with the local farmers, who can speak telugu only, for transferring the latest technologies to farmers. The existing faculty is comprised of persons from states like Haryana, Karnataka, Maharashtra, Uttar Pradesh and Bihar. Further, the staff had their education at different institutions located across the country and abroad with good reputation. The University however, is consulting the State Government for relaxation in working knowledge of telugu language right at the recruitment duly introducing a short term intensive training course to acquire local language soon after recruitment as in the case of central services like IAS, IPS, etc.

6. **The ELPs have been implemented at colleges, however some of which are not economically viable. Sometimes, profits realized out of ELPs are not shared with the respective students**

The University has been implementing ELP units in all its Constituent Colleges since 2012-13 academic year. The profitability of some of the ELP units was not economical in the initial years. All the non profitable units were dropped and new units are developed based on experience of the faculty and feedback from the students. Over the years the ELP units are being evolved with good profitability and the system of implementation of ELP has been stabilized in all the Constituent Colleges. The profit accrued in various ELP units is being shared among the students.

**7. The budget of University reveals that the expenditure towards salary: contingency is to extent of 90:10 this need to be improved for improving the quality of education**

The Acharya N.G. Ranga Agricultural University, which is a 50 year old establishment, is having many pensioners whose budget is almost equal to the amount towards salaries of the present staff in the University. The ratio arrived at earlier (90:10) between salaries and contingencies did not exclude the budget allocated towards pensionsfrom the salaries. The University, however, is having considerable amount towards contingencies in comparison with the amount allocated towards salaries, which falls in 75:25 as detailed below for the years 2014-15 and 2015-16.

During the financial year 2014-'15, the budget outlay was Rs. 182,95,17,000; for salaries (Rs. 137,63,47,000) & for contingencies is Rs. 45,31,70,000. The Salaries:Contingencies ratio is 75:25

During the financial year2015-'16, the budget outlay was Rs. 183,69,36,000. For salaries, Rs. 138,62,40,000 and for contingencies is Rs. 45,06,96,000. The Salaries to Contingencies ratio is 75:25.

The budget outlay during both the years is the amounts excluding towards pensions.

8. **The internal resource generation should be given priority by encouraging submission of externally funded projects, returns in college farm, consultancy etc.**

The University has taken special drive to motivate the faculty to submit research projects for funding by various funding agencies like ICAR, DBT, DST, UGC, NABARD, etc. As a result, the University has received Rs. 30.25 Crores from ICAR, DBT, DST, UGC, RKVY, etc. (details of the projects given in Annexure – I) and Rs. 1.72 Crores through paid up trails (details of trails given in Annexure – II) during the year 2014-15. Similarly, the University has received Rs. 114.68 Crores (Rs. 29.18 Crores from ICAR, DBT, DST, UGC, RKVY and Rs. 85.5 Crores from NABARD) in addition to, Rs. 1.67 Crores through paid up trails during the year 2015-16

(details of the projects given in Annexures – III & IV). The tempo of submitting research projects by the faculty has been further fueled up during the year 2015-16 by conducting special faculty interaction sessions and expert advisory sessions, which resulted in submission of 86 research projects for funding by various organizations.

The University is also taken up seed production activities in all the farms of Colleges, Research Stations and KVKs which is resulting in a profit of 4-5 Crores every year that has been utilized for development of infrastructural facilities at these production centres. It is happy to note that the University is supplying 30% of the breeder seed of rice and 44% of groundnut at national level that resulted in conferring the ICAR Prestigious best AICRP – NSP (Crops) for the year 2014-15. The University is also encouraging and motivating the faculty to offer consultancies in their expertise.

**Annexure I**

The details of externally funded research projects in operation during 2014-15:

**A.Research Projects from the ICAR, GOI, DBT, UGC, etc.**

1. AICRP on Khandasari& Jaggery, (AICRP on PHT) by ICAR with Rs.49.99 lakhs at RARS, Anakapalle,Vishakapatnam dist.

2. AICRP on Sugarcane by ICAR with Rs.62.75 lakhs at RARS, Anakapalle,Vishakapatnam dist.

3. Tribal farmers welfare programme under Tribal Sub Plan (TSP)-RARS, Anakapalle by ICAR with Rs.8.53 lakhs at RARS, Anakapalle,Vishakapatnam dist.

4. AICRP on Jute & Allied Fibres by ICAR with Rs.61.06 lakhs at ARS,Amadalavalasa,Srikakulam dist.

5. AICRP on Rice Gall midge Scheme, (Main centre Warangal) by ICAR with Rs.30.8 lakhs at ARS, Ragolu,Srikakulam dist.

6. AICRP on Small Millets by ICAR with Rs.27.62 lakhs at ARS,Vizianagaram,Vizianagaram dist.

7. AICRP on Need based contingency for conducting Coordinated trials on Small millets by ICAR with Rs.5.90 lakhs at ARS, Peddapuram.

8. AICRP on Rice by ICAR with Rs.150.55 lakhs at RARS, Maruteru,West Godavari dist.

9. Special project on Multi location evaluation of rice germplasm by ICAR with Rs.1.40 lakhs at RARS, Maruteru,West Godavari dist.

10. Conducting of hybrid rice trials by ICAR with Rs.1.65 lakhs at RARS, Maruteru,West Godavari dist.

11. Organization of FLDs under NFSM by ICAR with Rs.0.75 lakhs at RARS, Maruteru,West Godavari dist.

12. AICRP on Rodent Control by ICAR with Rs.33.80 lakhs at RARS, Maruteru,West Godavari dist.

13. AICRP on Cropping System –Main Centre at Rajendranagar, Hyderabad by ICAR with Rs.16.75 lakhs at RARS, Maruteru,West Godavari dist.

14. AICRP on Honey Bee Research & Training by ICAR with Rs.33.44 lakhs at ARS, Vijayarai,West Godavari dist.

15. AICRP on Pulses – MULLaRP by ICAR with Rs.93.19 lakhs at RARS, Lam,Guntur dist.

16. AICRP on Pulses – Pigeon Pea by ICAR with Rs.25.69 lakhs at RARS, Lam,Guntur dist.

17. AICRP on Cotton by ICAR with Rs.106.33 lakhs at RARS, Lam,Guntur dist.

18. AICRP on Management of Salt Affected Soils & Use of Poor Quality Water by ICAR with Rs.82.67 at Bapatla, Guntur dist.

19. FLDs on pigeon pea by ICAR with Rs.0.38 lakhs at RARS, Lam,Guntur dist.

20. TMCMM 1.33 project on “Consolidation of repository high strength cotton genotypes for quality traits and yield in specific agro-eco zones by ICAR with Rs.8.12 lakhs at RARS, Lam,Guntur dist.

21. TMCMM 1.4 project on “Agro-techniques for high density planting system and surgical cotton varieties” by ICAR with Rs.7.60 lakhs at RARS, Lam,Guntur dist.

22. TMCMM 1.6 project on “E-Kapas network and technology documentation” by ICAR with Rs.13.24 lakhs at RARS, Lam,Guntur dist.

23. AICRP on PHT by ICAR with Rs.56.0 at Bapatla, Guntur dist.

24. Project on “Assessment of harvest and postharvest losses of major crops and commodities in India” by ICAR-Mofei with Rs.2.22 lakhs at PHTC, Bapatla,Guntur dist.

25. Project on “Study on determining storage losses of food grains in FCI & CWC warehouses and to recommend norms for storage losses in efficient warehouse management by ICAR with Rs.18.71 lakhs at PHTC, Bapatla,Guntur dist.

26. Central sponsored project on dissemination of insecticide resistance management technology mission on cotton under MM2 by ICAR with Rs.4.15 lakhs at RARS, Lam,Guntur dist.

27. AINP on Soil Biodiversity &Biofertilizers by ICAR with Rs.21.3 at ARS, Amaravathi, Guntur dist.

28. AICRP on Groundnut-Subcentre by ICAR with Rs.26.45 at RARS, Tirupati.

29. National network project on Diagnosis and management of leaf spot diseases of horticultural crops by ICAR with Rs.7.3 lakhs at S.V. Agricultural College, Tirupati.

30. Conducting coordinated trials on small millets by ICAR with Rs.0.25 lakhs at ARS,Perumallapalle.

31. Conducting AICRP trials of pearl millet by ICAR with Rs.0.25 lakhs at ARS,Perumallapalle.

32. AICRP on Rice –Main Centre Rajendranagar, Hyderabad by ICAR with Rs.20.75 lakhs at ARS, Nellore,Nellore dist.

33. Project on Multi-location evaluation of rice germplasm by ICAR with Rs.0.70 lakhs at ARS, Nellore,Nellore dist.

34. Conducting of hybrid rice trials by ICAR with Rs.0.11 lakhs at ARS, Nellore,Nellore dist.

35. AICRP on STCR, Main Centre Rajendranagar, Hyderabad by ICAR with Rs.14.20 lakhs at ARS, Utukur,YSR Kadapa dist.

36. AICRP on Cotton by ICAR with Rs.54.42 lakhs at RARS, Nandyal,Kurnool dist.

37. AICRP on Tobacco by ICAR with Rs.63.8 lakhs at RARS, Nandyal,Kurnool dist.

38. AICRP on IDRC – Millets by ICAR with Rs.39.12 lakhs at RARS, Nandyal,Kurnool dist.

39. AICRP on Pulses – Chick Pea by ICAR with Rs.60.41 lakhs at RARS, Nandyal,Kurnool dist.

40. AICRP on Oil Seeds Sunflower by ICAR with Rs.47.84 lakhs at RARS, Nandyal,Kurnool dist.

41. Centrally sponsored project on “Dissemination of insecticide resistance management on cotton under MM2 by ICAR with Rs.4.16 lakhs at RARS, Nandyal,Kurnool dist.

42. FLDs on chickpea by ICAR with Rs.1.87 lakhs at RARS, Nandyal,Kurnool dist.

43. Testing fee for conducting the breeding trials under AICRP on sunflower by ICAR with Rs.0.46 lakhs at RARS, Nandyal,Kurnool dist.

44. FLDs on ragi and small millets by ICAR with Rs.1.25 lakhs at RARS, Nandyal,Kurnool dist.

45. Testing fee for conducting the trials under AICRP on sorghum by ICAR with Rs.0.30 lakhs at RARS, Nandyal,Kurnool dist.

46. TMC MM1 project “Simulation models/electronic gadgets to predict insect infestation, boll worm resistance to BT cotton area, production and price of cotton by ICAR with Rs.5.5 lakhs at RARS, Nandyal,Kurnool dist.

47. AICRP on Dryland Agriculture by ICAR with Rs.94.53 lakhs at ARS, Anantapur,Anantapur dist.

48. AICRP on Millet Pearl – Millet by ICAR with Rs.20.00 lakhs at ARS, Anantapur,Anantapur dist.

49. AICRP on Agro-meteorology by ICAR with Rs.29.47 lakhs at ARS, Anantapur,Anantapur dist.

50. Voluntary centre on AICRP on Arid-legumes by ICAR with Rs.0.2 lakhs at ARS, Anantapur,Anantapur dist.

51. FLDs on pearl millet by ICAR with Rs.0.49 lakhs at ARS, Anantapur,Anantapur dist.

52. National initiative on climate resilient agriculture by ICAR (NICRA) with Rs.9.6 lakhs at ARS, Anantapur.

53. National initiative on climate resilient agriculture by ICAR (NICRA)with Rs.9.8 lakhs at ARS, Reddipalli.

54. National initiative on climate resilient agriculture for real time pest surveillance on Pigeonpea by ICAR (NICRA) with Rs.5.0 lakhs at KVK, Reddipalli,Anantapur dist.

55. NCIPM collaborate research project on synthesis, validation and popularization of IPM technologies for groundnut crop by ICAR with Rs.0.3 lakhs at KVK, Reddipalli,Anantapur dist.

56. AICRP on New ORP under CRIDA by ICAR with Rs.36.00 lakhs at ARS, Reddipalli,Anantapur dist.

57. AICRP on Oil Seeds Groundnut by ICAR with Rs.96.14 lakhs at ARS, Kadiri,Anantapur dist.

58. AICRP on Integrated Farming Systems- Main centre at Rajendranagar, Hyderabad by ICAR with Rs.62.71 lakhs at ARS, Seethampet,Srikakulam dist.

59. Conducting need based research on Sesame/Niger by ICAR with Rs.0.51 lakhs at RARS, Chintapalle.

60. Agromet Advisory Services by GOI with Rs.10.09 lakhs at RARS,Anakapalle, Vishakapatnamdist.

61. Cost of Cultivation Scheme –Main centre at Rajendranagar, Hyderabad by GOI with Rs.174 lakhs at RARS,Anakapalle, Vishakapatnamdist.

62. Agromet Advisory Services by GOI with Rs.11.89 lakhs at RARS, Lam,Guntur dist.

63. Agromet Advisory Services, (GKMS) by GOI with Rs.16.42 lakhs at RARS, Tirupati,Chittoor dist.

64. Agromet Advisory Services by GOI with Rs.7.20 lakhs at ARS, Anantapur,Anantapur dist.

65. Agromet Advisory Services by GOI with Rs.7.37 lakhs at RARS, Chintapalli.

66. Adhoc project under SERC track scheme on "Selection for high water use efficiency and yield in chickpea by GOI with 0.20 lakhs at RARS, Nandyal.

67. Exploitation of seed endophytes for the ecofriendly management of aflatoxins in maize-Aspergilluspathosystem by UGC with 0.81 lakhs at RARS, Tirupati.

68. Conduct of Dus test for small millets (finger millet and fox tail millet) by Directorate of seed research with Rs.5.5 lakhs at ARS, Vizianagarm.

69. Qualitative trait loci to variety assisted breeding of abiotic stress tolerant rice varieties with major QTL for drought by DBT with Rs.11.17 lakhs at RARS, Maruteru

70. Identification of coordinated genes for enhanced water use efficiency in rice through activation tagging by DBT with Rs.10.29 lakhs at RARS, Maruteru.

71. Joint collaborative studies in agro-meteorology and installation of agricultural flex tower and large aperture scintillometer by NRSC, Dept. of space, GOI with Rs.11.44 lakhs at RARS, Maruteru.

72. Grant to Dr. K. John, Research Awardee, Dept. of Genetics & Pl. Breeding by UGC with Rs.13.16 lakhs at RARS, Tirupati.

## B. Research Projects funded by the RKVY

1. Development /screening and evaluation of sugarcane varieties adapted to drought situation with Rs.6.750 lakhs at RARS,Anakapalle,Visakhapatnam Dist.

2. Drought mitigation: Identification of reliable methods to sustain crop growth and yield in groundnut with Rs.3.645 lakhs at RARS, Tirupati, Chittoor Dist.

3. Mapping and tagging of drought tolerance related traits in the already advanced breeding lines based mapping populations and use of the knowledge for development of future groundnut varieties with progressively improved tolerance to drought with Rs.13.500 lakhs at RARS, Tirupati and ARS, Kadiri.

4. Characterization and Development of DNA based Screening Techniques for Yellow Mosaic Virus (YMV) infecting blackgram in Andhra Pradesh with Rs.9.000 lakhs at RARS, Tirupati, Chittoor; with Rs.13.500 lakhs at RARS, Lam, Guntur Dist. and RARS, Tirupati, Chittoor Dist (@ Rs. 7.5 lakhs each).

5. Mapping stem rot resistance genes in groundnut (*Arachishypogaea*L.) with SSR markers with Rs.4.455 lakhs at RARS, Tirupati, Chittoor Dist.

6. Identification of races of *Fusarium wilt* in Andhra Pradesh and Marker assisted selection for wilt strain specific resistance in chickpea (*Cicerarietinum* L.) with Rs.4.050 lakhs at RARS, Nandyal, Kurnool Dist.

7. Introgression of Low Grain Shattering Genes in Mega Rice Variety MTU 1010 through Marker Assisted Breeding with Rs.7.200 lakhs at RARS, Maruteru, West Godavari Dist.

8. Micro level crop planning to mitigate climate change effects for southern zone with Rs.2.025 lakhs at RARS, Tirupati, Chittoor Dist.

9. Seaweed cultivation for economic rehabilitation of coastal farmers in Andhra Pradesh sea coast with Rs.3.6 lakhs at Saline Water Scheme, Bapatla, Guntur Dist.

10. Refinement of Nutrition Management under Different Methods of Rice Cultivation with Rs.4.95 lakhs at RARS, Maruteru, West Godavari Dist.

11. Establishment of Apex and Zonal Soil-Plant-Fertilizer Referral Laboratories in A.P. for Soil Health Management & Fertilizer Usage in Agriculture with Rs.29.25 lakhs at RARS, lam; with Rs.29.25 lakhs at RARS, Tirupati, Chittoor Dist.

12. Soil Fertility Management in Rice-Maize Cropping System with Rs.3.825 lakhs at RARS, Maruteru, West Godavari Dist.

13. Setting up of Pesticide Residue Testing Lab at Institute of Frontier Technology with Rs.61.2 lakhs at RARS, Tirupati, Chittoor Dist.

14. Establishment of pheromone lures making centre with Rs.18 lakhs at ARS, Anantapur, Anantapur Dist.

15. Farm Machinery Research cum Training Centre with Rs.58.05 lakhs at RARS, Tirupati, Chittoor Dist.

16. Development of low cost light weight Tractor mounted multi crop combine harvester with Rs.10.8 lakhs at RARS, Nandyal, Kurnool Dist.

17. Seed to Seed mechanization of Bengalgram through introduction of low horse power four wheel tractors (16 hp) for small and marginal farmers with Rs.2.25 lakhs at RARS, Nandyal, Kurnool Dist.

18. **Establishment of Technology Resource Centres at KVKs of ANGRAU**

Development of Information kiosks and strengthening of information centers

- KVK, Amadalavalasa, Srikakulam district @ Rs.5.4 lakhs
- KVK, Undi, West Godavari district @ Rs.5.4 lakhs
- KVK, Garikapadu, Krishna district @ Rs.5.4 lakhs
- KVK, Darsi, Prakasam district @ Rs.5.4 lakhs
- KVK, Utukuru, Kadapa district @ Rs.5.4 lakhs
- KVK, Reddipalli, Anantapur district @ Rs.5.4 lakhs

19. **Farmers Training on responsible use of Fertilizers & Soil test based fertilizer application in paddy for sustainable yields at farmer level**

- DAATTC, Vizianagaram, Vizianagaram Dist. @ Rs.1.8 lakhs
- DAATTC, Anakapalli, ViskhapatnamDist @ Rs.1.8 lakhs
- DAATTC, Kakinada, East Godavari Dist. @ Rs.1.8 lakhs
- DAATTC, Eluru, West Godavari Dist. @ Rs.1.8 lakhs
- DAATTC, Guntur, Guntur Dist. @ Rs.1.8 lakhs
- DAATTC, Ongole, Prakasam Dist. @ Rs.1.8 lakhs
- DAATTC, Nellore , Nellore Dist. @ Rs.1.8 lakhs
- DAATTC, Kadapa, Kadapa Dist. @ Rs.1.8 lakhs
- DAATTC, Kurnool, Kurnool Dist. @ Rs.1.8 lakhs

- KVK, Rastakuntubai, Vizianagaram district @ Rs.1.8 lakhs
- KVK, Garikapadu, Krishna district @ Rs.1.8 lakhs
- KVK, Kalikiri, Chittor district @ Rs.1.8 lakhs

20.On farm Demonstration of cotton production machinery for improving the productivity in Krishna Godavari Zonewith Rs.27 lakhs at CAE, Bapatla, Guntur Dist.

21. **Bio fertilzer units**

- RARS,Anakapalle, Visakhapatnam Dist.
- ARS, Utukur
- College of Horticulture, YSRHU, VenkataramannaGudem, West Godavari Dist.
- Agricultural Research Station, Amaravathi
- Regional Agricultural Research Station, Tirupati, Chittoor Dist.
- AP-Agri-Biotech Foundation, Anantapur district

**C. RKVY Ongoing during 2014-15**

**I. PRODUCTION AND PRODUCTIVITY GROWTH IN MAJOR FOOD CROPS SUCH AS PADDY, COARSE CEREALS, MINOR MILLETS, PULSES, OILSEEDS, COTTON, SUGARCANE ETC.**

1. Development of Package of practices for cluster bean (for gum purpose) cultivation in rainfedAlfisols of Andhra Pradeshwith Rs.3.6 lakhs at ARS, Anantapur

2. Identification of suitable maize based cropping system for HAT Zonewith Rs.4.5 lakhs at RARS, Chintapalle

3. Standardization of measures to overcome the ill effects of water logging stress conditions for cotton, maize and sunflower crops of vertisols and improve the productivitywith Rs.4.05 lakhs at RARS, Nandyal .

4. Production and marketing of oyster mushroomswith Rs.4.05 lakhs at S.V. Agril college, Tirupati

5. Seed increase in popular varieties of major crops

- S.V. Agricultural College, Tirupati @ Rs.3.6 lakhs
- Agril. College, Naira @ Rs.4.5 lakhs
- Agril. College, Bapatla @ Rs.3.6 lakhs

6. Micropropagation in sugarcane to produce virus free seed material with Rs.2.7 lakhs at ARS, Perumallapalle

7. Development and identification of drought tolerant guar , ARS, Anantapur gum varieties suitable for Scarce Rainfall Zone of Andhra Pradesh with Rs.4.5 lakhs at ARS, Anantapur

8. Development / identification of lodging resistant varieties for irrigated rice ecosystem using molecular markers with Rs.3.825 lakhs at RARS, Maruteru

9. Development of multiple resistant rice varieties suitable for cultivation under direct seeding in Andhra Pradesh with Rs.4.5 lakhs at RARS, Maruteru

10. Sugarcane seed production through bud chip seedling development and popularization of mechanization with Rs.3.6 lakhs at RARS, Anakapalle

11. Development of high yielding and extra large seeded kabuli chickpea varieties suitable for export purpose and/ or mechanical harvest with Rs.3.6 lakhs at RARS , Nandyal

12. Development of high yielding drought tolerant varieties in foxtail millet (*Setariaitalica*L. Beauv.)" with Rs.3.15 lakhs at RARS, Nandyal

13. Development of appropriate technologies for increasing the productivity through mechanization in rice, groundnut and sugarcane with Rs.1.8 lakhs at RARS, Tirupati

14.Standardization & commercialization of the technology for jaggery powder with Rs.0.9 lakhs at RARS, Anakapalle

15. Development of blast resistant high yielding finger millet varieties using molecular markers with Rs.2.925 lakhs at ARS, Vizianagaram

**II. STANDARDIZATION OF THE CROP PRODUCTION TECHNOLOGIES FOR REDUCING THE COST OF PRODUCTION AND INCREASING THE PROFITABILITY**

16. Development of agro techniques to improve productivity in sugarcane under wider planting through physiological and nutritional manipulation for 100% conversion of tillers into NMC with Rs.4.05 lakhs at RARS, Anakapalle

17. Simulation of nutrient deficiency symptoms in sugarcane under sand culture with Rs.2.7 lakhs at RARS, Anakapalle

18. Packaging and popularization of improved production technologies in rainfed agriculture of Chittoor and YSR Districts with Rs.4.5 lakhs at RARS, Tirupati

19. Development of agro techniques to improve the yield and quality of sugarcane under moisture stress situation (Limited water supply, drought) with Rs.3.6 lakhs at ARS, Perumallapalle

20. Development of agronomic ideotypes suitable for high density planting and mechanized harvesting with Rs.4.5 lakhs at RARS, Lam

21. Development and demonstration of Agro techniques for yield maximization in Bt cotton with Rs.4.05 lakhs at RARS, Lam

22. Development of Agrotechniques for improving water use efficacy and productivity of cotton in rainfed areas under changing climatic conditions with Rs.3.15 lakhs at RARS, Lam

23. Characterization and identification of productive and high quality cotton genotypes and cultivation practices under the changing climatic conditions through farmers' participatory programmes with Rs.3.15 lakhs at RARS, Lam

**III. IMPROVEMENT OF SOIL HEALTH LIKE EFFICIENT QUALITY CONTROL OF INPUTS, SOIL TESTING AND DISTRIBUTION OF SOIL HEALTH CARDS, MICRO NUTRIENT DEMONSTRATION, TRAINING OF FARMERS FOR PROMOTION OF ORGANIC FARMING INCLUDING PRINTING OF PUBLICITY LITERATURE OR FOR AMELIORATION OF SOILS AFFECTED WITH CONDITIONS SUCH AS ALKALINITY AND ACIDITY**

24. Refinement and Popularization of enriched composting and vermicomposting in rice based cropping system, RARS, Maruteru @ Rs.1.575 lakhs

25. Training and awareness programmes on importance of soil testing and interpretation of soil test data for input cost reduction by adopting STBF to the farmers, ARS, Anantapur @ Rs.1.575 lakhs

26. Development of nano materials based micronutrient formulation for enhanced crop productivity in groundnut and rice, RARS, Tirupati @ Rs.0.45 lakhs

27. Establishment of water conserving rice production system of MSRI, DSDS, direct sowing and SRI In North Coastal zone of Andhra Pradesh, ARS, Ragolu @ Rs.1.8 lakhs

**IV.PROMOTING PRODUCTION OF ORGANIC AND BIO-FERTILIZERS, ORGANIC PESTICIDES ETC.**

28. Biofertilizer production with Rs.3.6 lakhs at ARS Amaravati

29. Mass production of bio control agents with Rs.5.4 lakhs at RARS Tirupati

**V. PROMOTING EXTENSION SERVICES LIKE SKILL DEVELOPMENT AND TRAINING TO THE FARMING COMMUNITY AND ORGANIZING STUDY TOURS OF FARMERS TO PLACES OF INTEREST TO THEM, ESPECIALLY TO RESEARCH INSTITUTIONS ETC.**

30. **Skill development training to farmers**

- KVK, ADV @ Rs.1.035 lakhs
- KVK, RK Bai @ Rs.1.035 lakhs
- KVK, Ananatpur @ Rs.1.035 lakhs
- KVK, Undi @ Rs.1.035 lakhs
- KVK, Utukur @ Rs.1.035 lakhs
- KVK, Garikapadu @ Rs.1.035 lakhs
- KVK, Darsi @ Rs.1.035 lakhs
- KVK, Nellore @ Rs.1.035 lakhs
- KVK, Kalyandurg @ Rs.1.035 lakhs
- KVK, Banavasi @ Rs.1.035 lakhs

- KVK, Kalikiri @ Rs.1.035 lakhs
- KVK, Ghantasala @ Rs.1.035 lakhs

31. **Season long trainings**

- DAATTC, Sklm @ Rs.0.675 lakhs
- DAATTC, Vskp @ Rs.0.675 lakhs
- DAATTC, Vzm @ Rs.0.675 lakhs
- DAATTC, E Godavari @ Rs.0.675 lakhs
- DAATTC, Kadapa @ Rs.0.675 lakhs
- DAATTC, Guntur @ Rs.0.675 lakhs
- DAATTC, Prakasam @ Rs.0.675 lakhs
- DAATTC, Kurnool @ Rs.0.675 lakhs
- RARS, Chintapalli @ Rs.0.675 lakhs
- ARS, Sitampet @ Rs.0.675 lakhs

32. **Season long training**

- RARS, Akp @ Rs.0.45 lakhs
- Head quarters (DE) @ Rs.0.18 lakhs

**VI & VII. PEST SURVEILLANCE AND FOR PROMOTING INTEGRATED PEST MANAGEMENT WHICH MAY INCLUDE TRAINING OF FARMERS THROUGH FFS ETC., ON PEST MANAGEMENT PRACTICES, PRINTING OF LITERATURE / OTHER AWARENESS PROGRAMMES**

33. Integrated management of stem rot and dry root rot diseases of groundnut (*Arachishypogaea* L.)" with Rs.2.7 lakhs at ARS, Kadiri

34. Development and demonstration of Integrated Management of Insecticide resistant larval populations of tobacco caterpillar, *Spodopteralitura* in Groundnut with Rs.2.7 lakhs at RARS, Tirupati

35. Biological management of pulse beetle in chickpea during storage with Rs.2.7 lakhs at ARS, Anantapur

36. Enhancing the production attributes of egg parasitoid*Trichogramma chilonis* with Rs.1.8 lakhs at RARS, Anakapalle

**STANDARDIZATION OF THE ENVIRONMENT FRIENDLY CROP PROTECTION TECHNOLOGIES FOR REDUCING THE COST OF PRODUCTION, INCREASING THE PROFITABILITY**

37. Development and demonstration of Insecticide resistance management based integrated pest management strategies for sucking pests of Bt Cotton in Andhra Pradeshwith Rs.1.8 lakhs at RARS, Lam

38. Development of integrated management strategy for pod borers and pod sucking bugs in pulse crops with special reference to cowpea and field bean with Rs.1.8 lakhs at RARS, Tirupati

39. Development and validation of ecofriendly& sustainable integrated pest management modules for Btcotton with Rs.1.8 lakhs at RARS, Lam

**VIII. WATER MANAGEMENT**

40. Development and demonstration of efficient designs of drip fertigation systems for different crops with Rs.3.6 lakhs at CAE, Madakasira

**IX. FARM MECHANIZATION**

41. Standardization and popularization of System of Sugarcane Intensification by involving mechanized cultivators, planters etc. with Rs.9 lakhs at RARS, Tirupati

42. Standardization and popularization of System of Sugarcane Intensification by involving mechanized cultivators, planters etc. with Rs.8.1 lakhs at RARS, Anakapalle

43. Development and evaluation of tractor PTO operated farm yard manure pulverizer cum distributor with Rs.1.8 lakhs at RARS, Nandyal

44. Demonstration of equipment and training of farmers in complete mechanization of groundnutwith Rs.3.6 lakhs at CAE, Madakasira

45. Demonstration of equipment and training of farmers in complete mechanization of groundnut with Rs.3.6 lakhs at RARS, Tirupati

## Annexure – II

**Paid up trials conducted during 2014-15**

1. "Evaluation of Light traps" by M/s.Fine Trap India, 6, Sawarkar Market, Dattachowk, Yawatmal-445001 for Rs. 2,00,000/- at RARS, Nandyal
2. "Evaluation of RIL-054/F1 for its compatibility with insecticides, fungicides and Nutrients" by M/s.Rallis India Limited, Bangalore for Rs. 1,00,000/- at RARS, Maruteru.
3. **"**Evaluation of Novunovalurol + indoxapsrb" and "Evaluation of Herbicides Flufenacet 50% Sc" by M/s.MakhteshimAgan India Pvt. Ltd., Shameepet, Hyderabad-500078 for Rs. 2,00,000/- at ARS, Nellore; Rs. 1,00,000/- and 50,000/- at RARS, Maruteru.
4. **"**Evaluation of Nutrifight" by M/s.Privi Life science Private Limited, Navi, Mumbai for Rs. 2,00,000 for RARS, Maruteru
5. **"**Bioefficacy, Phytotoxicity, effect on natural parasites and predators –Fipronil 4% + Thiamethoxam 4% Sc"byM/s.Parijat Industries (India) Priate Limited, New Delhi.for Rs. 2,00,000/-.

6. **“**Evaluation of MAHRM-04.on Groundnut” by M/s.MakhteshimAgan India Pvt. Ltd., for Rs. 2,00,000/- at ARS, Kadiri
7. **“**Bioefficacy and Phytotoxicity studies of Folicur 430 Sc on Rice” by M/s.Bayer Crop Science Ltd., Madhapur, Hyderabad, for Rs. 2,00,000/- at RARS, Maruteru, 2,00,000/- at RARS, Maruteru and 2,00,000/- at RARS, Lam.
8. “Biological control of Blast of Rice with *Pseudomonasfluorescens*” by M/s.Sri Biotech Laboratories Ltd., Banjarahills, Hyderabad, for Rs. 4,00,000/- at RARS, Maruteru.
9. “Evaluation of New insecticides RIL 021/F2 on Rice pests” M/s.Rallis India Ltd., Bangalore, for Rs. 2,00,000/- at RARS, Maruteru.
10. “Evaluation of Magnitude of Rasidue of RAB 55 10.6 W/V Sc in Rice grain straw and soil” “by M/s.E.I.Dupont India Pvt, Ltd., Gurgaon, Haryana. For Rs. 2,00,000/- at RARS, Maruteru.
11. “Evaluation of Teboconazole 6% FS against diseases of chickpea”byM/s.Adama India Pvt. Ltd., Shameerpet, Hyderabad for Rs. 4,00,000/- at RARS, Nandyal.
12. “Testing of azoxystrobin 11% +Tebuconazole 18.3% SC against rice diseases” by M/s.Adama India Pvt. Ltd., Shameerpet, Hyderabad for Rs. 4,00,000/- at RARS, Maruteru.
13. “MAIRM-10 on rice” by M/s.Adama India Pvt. Ltd., Shameerpet, Hyderabad for Rs. 4,00,000/- at RARS, Maruteru.

13b. Evaluation of Taegro against rice blast” by M/s.Novozymes South Asia Pvt.Ltd., Bangalore for Rs. 2,00,000/- at RARS, Maruteru.

14. Efficacy and evaluation of TraesPronos on growth and yield of rice” by M/s.Nagarjuna Fertilizers and Chemical Limited, Punjagutta, Hyd for Rs. 2,00,000/- at RARS, Maruteru.

15. A) Bioefficacy, data generation of imidacloprid 17.8% SL on paddy by M/s.Rainbow Agro Sciences Pvt.Ltd.,Ahmedabad, Gurarat.for Rs. 2,00,000 at RARS, Maruteru

    B) Bioefficacy evaluation of difenoconazole 25% EC against sheath blight of rice by M/s.Rainbow Agro Sciences Pvt.Ltd.,Ahmedabad, Gurarat for Rs. 2,00,000 at RARS, Maruteru

    C) Evaluation of pretilachlor 50% EC in transplanted rice against weeds by M/s.Rainbow Agro Sciences Pvt.Ltd.,Ahmedabad, Gurarat.Rs. 3,00,000/- at RARS, Maruteru

    D) Evaluation of butachlor 50% EC in transplanted paddy for control of weeds by M/s.Rainbow Agro Sciences Pvt.Ltd.,Ahmedabad, Gurarat. For Rs. 3,00,000/- at ARS, Nellore

16. Evaluation of dinotefuran + buprofezin in rice by M/s.P.I.Industries Ltd., Gurgaon, Haryana for Rs. 4,00,000/- at RARS, Maruteru.
17. Paid up trial on sugarcaneM/s.FMC India Private Limited, Embassy Star, 8, Palace Road, High Grounds, Bangalore for Rs. 6,00,000 at RARS, Perumallapalle.
18. Bt.cotton hybrid SAU trials by M/s.Nath Bio-Genes (I) Ltd.Nath House, Nath road, P.B.No.318, Aurangabad 431005.for Rs. 1,60,000/- at RARS, Lam & RARS, Nandyal.
19. Bt.cotton hybrid SAU trials by M/s.BioSeed Research IndiaR& D Cotton Aurangabad (M.S)Town Center, Plot No.12, C-4, Opposite Ravi Masale, Aurangabad – 431 001 for Rs. 80,000/- at RARS,Lam& RARS,Nandyal.
20. Bt.cotton hybrid SAU trials by M/s.Kaveri Seed Company Limited,513B, 5$^{th}$ Floor, Minerva Complex, S.D.Road,Secunderabad – 500003.for Rs. 4,00,000/- at RARS,Lam& RARS,Nandyal.

21. Bt.cotton hybrid SAU trials by M/s.Ajeet Seeds Ltd.for Rs. 2,40,000/- at RARS, Lam & RARS, Nandyal.
22. Bt.cotton hybrid SAU trials by M/s.Ankur Seeds Pvt. Limited for Rs. 3,20,000/- at RARS, Lam & RARS, Nandyal.
23. Bt.cotton hybrid SAU trials by M/s.Maharashtra Hybrid Seeds Co.Ltd for Rs. 1,60,000/- at RARS, Lam & RARS, Nandyal.
24. Bt.cotton hybrid SAU trials by M/s.BayerBioSciencePvt. Ltd. For Rs. 3,20,000/- at RARS, Lam & RARS, Nandyal.
25. Bt.cotton hybrid SAU trials by M/s.Advanta Limited@ Hyderabad, for Rs. 1,60,000 at RARS,Lam&RARS,Nandyal
26. Bt.cotton hybrid SAU trials by M/s.Tulasi Seeds Pvt. Ltd. for Rs. 1,60,000 at RARS, Lam & RARS, Nandyal.
27. Bt.cotton hybrid SAU trials by M/s.Senthil Seeds Private Limited for Rs 80,000/- at RARS, Lam & RARS, Nandyal.
28. Bt.cotton hybrid SAU trials by M/s.Monsanto India Limited, for Rs. 4,80,000/- at RARS, Lam & RARS, Nandyal.
29. Bt.cotton hybrid SAU trials by M/s.Bayer Crop Science for Rs. 80,000/- at RARS, Lam & RARS, Nandyal.
30. Bt.cotton hybrid SAU trials by M/s.RJ Biotech Ltd.Aurangabad for Rs. 2,40,000/- at RARS, Lam & RARS, Nandyal.
31. Bt.cotton hybrid SAU trials by M/s.Super Agri Seeds Private Limited, for Rs. 1,60,000/- at RARS, Lam & RARS, Nandyal.
32. Bt.cotton hybrid SAU trials by M/s.Rasi Seeds Pvt. Ltd. for Rs. 80,000/- at

RARS,Lam&RARS,Nandyal

33. Bt.cotton hybrid SAU trials by M/s. Kohinoor Seed Fields India Pvt. Ltd. for Rs. 2,40,000/- at RARS, Lam & RARS, Nandyal.

34. Bt.cotton hybrid SAU trials by M/s.SriSathya Agri Biotech Pvt. Ltd for Rs. 80,000/- at RARS,Lam&RARS,Nandyal

35. Bt.cotton hybrid SAU trials by M/s.Nuziveedu Seeds Limited for Rs. 5,60,000/- at RARS,Lam&RARS,Nandyal

36. Bt.cotton hybrid SAU trials by M/s.Prabhat Agri Biotech Ltd. for Rs. 2,40,000/- at RARS, Lam & RARS, Nandyal.

37. Bt.cotton hybrid SAU trials by M/s.Pravardhan Seeds Pvt. Ltd for Rs. 80,000/- at RARS,Lam&RARS,Nandyal.

38. Bt.cotton hybrid SAU trials by M/s.JK Agri Genetics Ltd, for Rs. 1,60,000/- at RARS, Lam & RARS, Nandyal.

39. Bt.cotton hybrid SAU trials by M/s.Namdhari Seeds for Rs. 1,60,000/- at RARS, Lam & RARS, Nandyal.

40 to 58. Paid up trials on Maize, Kharif 2014.at ARS.Peddapuram by M/s.GangaKaveri Seeds; M/s.Trimurthi Plant Sciences Pvt. Ltd.,; M/s.Hytech Seed India Pvt. Ltd., ; M/s.Godrej Seeds and Genetics Ltd; M/s.CharoenPakphand Seed Ltd.,; M/s.Ajeeth Seeds Ltd.,; M/s.Kaveri Seed Company Ltd.,; M/s.Rasi Seeds Pvt. Ltd.,; M/s.PHI Seeds Pvt. Ltd.,; M/s.Prabhat Agri Biotech Ltd., ; M/s.Asian Agri Genetics Ltd.,; M/s.Yaaganti Seeds Pvt. Ltd; M/s.Bisco Bio Sciences Pvt, Ltd; M/s.Dow Agro Sciences India; M/s.G.P.S.Agri Biotech Pvt. Ltd; M/s.Sonam Seed Technologies Ltd,; M/s.Sonam Seed Technologies Ltd,; M/s.Pravardhan Seeds Pvt. Ltd,; M/s.Monsanto India Ltd.,; Seedsmen Association, Hyderabad.

59 to 69.Rice, Kharif,2014 at RARS, Maruteru and ARS, Ragolu at M/s.GangaKavari Seeds Pvt. Ltd; M/s.Maharastra Hybrid Seeds Pvt.Ltd; M/s.Kaveri Seed Company Ltd; M/s.PHI Seeds Pvt. Ltd.,; M/s.Nuziveedu Seeds Ltd.,; M/s.Prabhat Agri Biotech Ltd., M/s.Yaganti Seeds Pvt. Ltd.,M/s.Bisco Bio Sciences Pvt. Ltd; M/s.Sonam Seed Technologies Pvt. Limited;M/s.Pravardhan Seeds Pvt. Ltd; M/s.Vevekanada Seeds;

70. Paddy, Rabi,2014 at ARS, Nellore. By Vedha Seeds; Kaveri Seeds Company Ltd.; M/s.PHI Seeds Pvt. Ltd.

71. Sunflower, Rabi,2014 by Kaveri Seeds Company**;** Nuziveedu Seeds Pvt.Ltd; Yaaganti Seeds Pvt Ltd.

72. Sorghum, Rabi,2014 by Hytech Seed India Pvt.Ltd. at ARS, Perumallapalle.

**Annexure - III**

**Externally Funded Research Projects in Operation during 2015-16**

**A. Research Projects from the ICAR, GOI, DBT, UGC, etc.**

**ICAR Projects**

1. AICRP on Khandasari& Jaggery, (AICRP on PHT) (44.67 lakhs) at RARS, Anakapalle.
2. AICRP on Sugarcane (62.88 lakhs) at RARS, Anakapalle
3. AICRP on Biological Control (18.8 lakhs) at RARS, Anakapalle
4. AICRP on Jute & Allied Fibres (61.07 lakhs) at ARS, Amadalavalasa
5. AICRP on Rice Gall midge Scheme, (Main Centre at RARS, Warangal, Telangana state), at ARS, Ragolu
6. AICRP on Small Millets (27.62 lakhs) at ARS, Vizianagaram
7. AICRP on Rice (150.55 lakhs) at RARS, Maruteru
8. AICRP on Rodent Control (35.80 lakhs) at RARS, Maruteru

9. AICRP on Cropping System- Main Centre at Rajendranagar, Hyderabad (16.75 lakhs) at RARS, Maruteru
10. AICRP on Honey Bee Research & Training (35.25 lakhs) at ARS, Vijayarai
11. AICRP on Pulses – MULLaRP (97.61 lakhs) at RARS, Lam, Guntur
12. AICRP on Pulses – Pigeon Pea (26.97 lakhs) at RARS, Lam, Guntur
13. AICRP on Cotton (106.33 lakhs), RARS, Lam, Guntur
14. AICRP on PHT (56.00 lakhs) at Bapatla, Guntur
15. AICRP on Management of Salt Affected Soils & Use of Poor Quality Water (82.67 lakhs) at Bapatla,
16. AICRP on Millets-Sorghum (20.32 lakhs) at Bapatla
17. AICRP on Farm Implements and Machinery (39.67 lakhs) at Bapatla
18. AINP on Soil Biodivesity&Biofertilizers (21.3 lakhs) at ARS, Amaravati
19. AICRP on MULLaRP (31.60 lakhs) at ARS, Ghantasala
20. AICRP On Groundnut- Sub centre (29.45 lakhs) at RARS, Tirupati
21. AICRP on Rice (Main Centre Rajendranagar Hyderabad) (14.20 lakhs) at ARS, Vutukur
22. AICRP on Cotton (54.42 lakhs) at RARS, Nandyal
23. AICRP on Tobacco (63.80 lakhs) at RARS, Nandyal
24. AICRP on IDRC – Millets (39.12 lakhs) at RARS, Nandyal
25. AICRP on Pulses – Chick Pea (65.09 lakhs) at RARS, Nandyal
26. AICRP on Oil Seeds Sunflower (47.84 lakhs) at RARS, Nandyal
27. Scheme : AICRP on Dryland Agriculture (94.53 lakhs) at ARS, Anantapuramu
28. AICRP on Millet Pearl – Millet (18.00 lakhs) ARS, Ananthapuramu

29. AICRP on Agro-meteorology (29.47 lakhs) at ARS, Ananthapuramu
30. AICRP on New ORP under CRIDA (36.00 lakhs) at ARS, Reddipalli
31. AICRP on Oil Seeds Groundnut (104.02 lakhs) at ARS, Kadiri
32. AICRP on Integrated Farming Systems- Main Centre at Rajendranagar, Hyderabad (62.71 lakhs) at ARS, Seethampeta

**Govt. of India Projects (GOI)**

1. Agromet Advisory Services (7.37 lakhs) at RARS, Anakapalle
2. Cost of Cultivation Scheme (16.48 lakhs) at RARS, Anakapalle
3. Agromet Advisory Services (14.01 lakhs) at RARS, Lam, Guntur
4. Agromet services (GKMS) (17.07 lakhs) at RARS, Tirupati
5. Agromet Advisory Services (7.37 lakhs) at RARS, Chintapalle

## Research Projects funded by RKVY

1. Establishment of Seed processing and storage facilities (330 lakhs)
    a) Agricultural College, Naira (Srikakulam) (70 lakhs) at Ag. College, Naira
    b) Seed Multiplication Farm, Thotapalliguduru (Nellore) (130.0 lakhs) at Seed Multiplication Farm, Thotapalliguduru (Nellore)
    c) Agricultural College, Mahanandi (Kurnool) (60.0 lakhs)
    d) Seed Research & Production Centre, NP Kunta, Kadiri (Anantapuram) (70.0 lakhs)
2. Establishment of soil health analysis facility (50 lakhs)
    a) At RARS, Tirupati (30 lakhs)
    b) RARS, Anakapalle (10 lakhs)
    c) RARS, Nandyal (10 lakhs)

3. Farm Machinery hub for Cost reduction and productivity enhancement (75.0 lakhs) at RARS, Tirupati
4. Production of liquid bio- fertilizers and their supply to the field crops (200.0 lakhs) at RARS, Tirupati

**Ongoing Projects 2015-16**

1. **PRODUCTION AND PRODUCTIVITY GROWTH IN MAJOR FOOD CROPS SUCH AS PADDY, COARSE CEREALS, MINOR MILLETS, PULSES, OILSEEDS, COTTON, SUGARCANE ETC.**

a) Standardization of measures to overcome the ill effects of water logging stress conditions for cotton, maize and sunflower crops of vertisols and improve the productivity. (RARS, Nandyal) (4.0 lakhs)
b) Identification of suitable maize based cropping system for HAT Zone,(3.0 lakhs) at RARS, Chintapalle
c) Production and marketing of oyster mushrooms.(4 lakhs) at S. V. Agricultural College, Tirupati
d) Micropropagation in sugarcane to produce virus free seed material. A) RARS, Anakapalle @ 3.0 lakhs; ARS, Perumallapalle @ 3.00 lakhs;
e) Development and identification of drought tolerant guar, ARS, Anantapur gum varieties suitable for Scarce Rainfall Zone of Andhra Pradesh (3.0 lakhs, ARS, Anantapur)
f) Development / identification of lodging resistant varieties for irrigated rice ecosystem using molecular markers.(6.0 lakhs)
g) Development of multiple resistant rice varieties suitable for cultivation under direct seeding in Andhra Pradesh.( 6.0 lakhs) at RARS, Maruteru

h) Sugarcane seed production through single bud seedling development and popularization of mechanization (9.0 lakhs) at RARS, Anakapalle

i) Development of high yielding and extra large seeded kabuli chickpea varieties suitable for export purpose and/ or mechanical harvest (5.00 lakhs) at RARS, Nandyal

Standardization & commercialization of the technology for jaggery powder (1.0 lakh) at RARS, Anakapalle

**6.6.9.3. Inter Institutional Standings:** (*Status of the University in the ranking announced by agencies for academics, research, extension, sports / games, cultural events etc.*)

**a) Ranking by ICAR**: The ranking of Agricultural Universities by ICAR, New Delhi was initiated from 2016 onwards. Since then, the ANGRAU is submitting applications for consideration of ranking. ANGRAU secured 27$^{th}$ rank (2016-'17); 22$^{nd}$ rank (2017-'18); and 31$^{st}$ rank (2018-'19) and 13$^{th}$ rank (2019-'20) during the last four consecutive years.

**b) Ranking by National Institutional Ranking Framework (NIRF):** ANGRAU had also participated in the NIRF considered for ranking of Indian Universities from 2017 onwards. In the year 2017, the University did not get the rank below 200. However, in 2018, the rank obtained was between 151-200. In the year 2019, it was further improved and placed between 100-150 ranks. During 2020, ANGRAU's ranked beyond 200.

**c)** ANGRAU has bagged several awards in academics, research and extension besides sports/games and cultural events at National level. The following are the details of the recognitions/ranks to ANGRAU in various events.

## Table 72. ANGRAU Awards

| S. No. | Year | Award Details | Remarks |
|---|---|---|---|
| **University Level** | | | |
| 1 | 1999 & 2002 | • Two former Vice Chancellors of ANGRAU viz., Dr. M. V. Rao (1999) and Dr. I. V. Subba Rao (2002) were conferred with Nation's Civil Award "Padmashri". | |
| 2 | 1999 &2007 | Sardar Patel Outstanding ICAR Institution Award twice for ANGRAU during 1999 and 2007. | |
| 3 | 1999-2000 & 2002-'03 | National Youth Parliament Competition Award-Third in 1999-2000 and Sixth in 2002-'03. | |
| 4 | 2006 | Most Popular Exhibit Award" (2006) at the 93rd Indian Science Congress, a prestigious national event hosted for the first time by ANGRAU | |
| 5 | 2011 | ANGRAU has received the "Best Stall Award" at Kisan Mela organized by the UAS-Bangalore, Karnataka during 16-20 November 2011. | |
| 6 | 2019 | ANGRAU scored 13th rank in the ICAR ranking system for the Agricultural Institutions in India for the year 2019 | |
| **Academics** | | | |
| 7 | 1994, 2004, 2011 and 2018 | ICAR-JRF Award | |
| 8 | 2019 | ICAR Award for securing highest number of Post Graduate Scholarships (2nd position) | |
| **Research** | | | |
| 9 | 2014-'15 | Certificate of Excellence under ICAR Seed Project | |
| 10 | 2004 and 2015 | ICAR Vasantha Rao Naik Award for development and application | |

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|---|---|---|
| | | of dryland technology for ARS, Ananthapuramu |
| 11 | 2017-‘18 | The Best AICRP Millet Centre for the ARS, Vizianagaram |
| 12 | 2018-‘19 | MULLaRP, RARS, Lam received Best AICRP Centre |
| **Extension** | | |
| 13 | 2015-‘16 | ICAR Zonal Best KVK Award to the KVK, Amadalavalasa, Srikakulam district for the year |
| 14 | 2015-‘16 | KVK, Kalyandurg received best KVK Award in Publicity category for the year 2015-’16 by ANGRAU |
| 15 | 2016 | ICAR Zonal Best KVK for the Zone V (Andhra Pradesh, Telangana and Tamil Nadu) for the KVK, Utukur, Kadapa |
| 16 | 2016 | KVK, Amadalavalasa received Independence Day Award in the name of Best Performing Institute for the year 2016 from the district administration |
| 17 | 2016 | KVK, Utukur, Kadapa received Mahindra Agri Tech Samman Award |
| 18 | 2018 | KVK, Kondempudi, Visakhapatnam achieved 1st position in implementing the activities of Krishi Kalyan Abhiyan (KKA) |
| 19 | 2017 | KVK, Utukur, Kadapa, YSR district received Pandit Deendayal Upadyaya Krishi Vigyan Prosthahana Puraskar 2017 (ICAR Zonal Award) |

### 6.6.9.4. Socio-Economic Impact:

(*Elaborate data based impact of various activities/recommendations on upliftment of the economics and social status of the farmers*).

At ANGRAU, various crop production, protection and post-production technologies are devised that contributed to the overall improvement of socio-economic conditions of farmers.

These technologies are assessed based on evidence on impact on tangible or intangible benefits accrued. Either ex-ante or ex-post impact assessment are carried out in determining the effect of ANGRAU developed technologies at various stages in the areas where the technologies are in vogue. The evidence on technological impact from ANGRAU in enhancing the livelihoods of rural poor is categorized hereunder.

**a) Plant Protection /Cost reduction technologies & Contribution to yield enhancement:**

Several farm cost reduction technologies are developed that contributed directly to the farm income.

- In rice, stem rot is a major biotic constraint especially in Godavari delta on MTU 3626 (Bondalu), the widely grown variety with export potential. Recommendation of the fungicide, Tebuconazole 25.9% EC @ 2.0 ml/l has resulted in effective stem rot control besides enhancing yields by 2 bags per acre, that amounts to Rs. 3000/-.
- With the recommendation of new fungicide molecule, Azoxystrobin 11% + Tebuconazole 18.3% SC @ 1.5 ml/l and its timely application against the problematic sheath blight disease of rice in *kharif* season, the cost of cultivation was reduced up to Rs. 1000/- per acre.
- In sugarcane, the incidence of red rot and wilt diseases were reduced drastically by the application of *Trichoderma asperillum* @ 4kg/acre at the time of planting and thus indirectly contributing to minimizing the yield losses.
- Adoption of IPM practices by chickpea farmers of Prakasam district revealed that 100 per cent of farmers were fully adopting summer ploughing, 86.0 per cent were adopting need based plant protection measures, 78.0 per cent were adopting growing of trap crop, 62.0 per cent were adopting disease resistant cultivars, 56.0 per cent were adopting seed treatment and partially adopting spraying of neem formulations and erecting bird perches.

- The findings on adoption of IPM package of practices in redgram indicated that the 56.67% of the redgram farmers were categorized in the groups of high adoption whereas 30.00 % were in medium and 13.33% were in low adoption group.

**b) Varietal development and enhanced yields**

- The rice varieties developed at RARS, Maruteru during the last five years are being cultivated in an area of 10 lakh hectares in the state of Andhra Pradesh both during *kharif* and *rabi* seasons. By virtue of cultivation of the improved rice varieties the farmers are getting an additional yield advantage of 5 quintals per hectare accounting for Rs 7500 per hectare.

Further, as these new rice varieties are having tolerance to major pests and diseases, farmers are getting a monetary advantage up to Rs 2500 per hectare by reduction in cost of cultivation. Overall by cultivation of the newly developed rice varieties with tolerance to major pests and diseases, the farmers of Andhra Pradesh are getting an advantage of Rs 10,000 per hectare. The overall contribution to capital gain by farmers of Andhra Pradesh and cumulative profits are estimated to be approximately Rs. 1,000 Crores with the adoption of newly released rice varieties from ANGRAU.

- The newly released rice varieties from ARS, Bapatla (Bapatla Mahsuri, Teja, Sasya and Bhavathi) possess high yield potential coupled with good grain quality, non-lodging and are tolerant to BPH and blast. Hence, the farmers will be benefitted with high grain yield and high gross returns when compared with the old popular varieties. As these varieties possess tolerance to major pests/diseases, the cost of cultivation for spraying of pesticides will be decreased and the net income of the farmers will be increased by growing these varieties.
- With wide distribution of high yielding salt tolerant rice varieties MCM 100, MCM 103, MCM 109 from ARS, Machilipatnam and creating awareness on adoption of management of

salt affected areas increased 5%-10% yields in salt affected areas. By implementation of SC-Sub plan and village adoption programme, farmers could be able to cultivate high yielding rice varieties like MTU 1061, MTU 1224, MTU 1262, MTU 1190, during *kharif* and MTU 1153, MTU 1156, MTU 1121 during *rabi* 2019-'20. Farmers could be able to reduce cost of cultivation by adopting recommended package of practices like timely application of weedicide, application of urea and potash as final dose, adopting community rodent management, etc. Farmers were satisfied with knowledge of rice management provided by ARS, Machilipatnam.

- The rice variety from ARS, Ragolu, RGL 2537, a versatile and high yielding variety with long duration, suitable for varied climatic conditions especially for over-aged seedling transplanting, occupied nearly more than 60% *kharif* rice cultivated area in North Coastal Zone of Andhra Pradesh.
- With the contribution of RARS, Chintapalle in horizontal spread of technologies/varieties through FLDs and other extension activities, the area spread of rice varieties viz., MTU 1075 (150 ha), MTU 1121 (100 ha), RGL 2537 (250 ha) and Amara (MTU 1064) (100 ha); KGN-2 (Niger) (300 ha); Bharathi & Srichaitanya (Finger millet) (250 ha), coupled with demonstration of cost reduction technologies, cropping and farming systems suitable to tribal areas, farmers are benefitted with a yield improvement by 25% to 30% over the local practiced varieties.
- The sesame brown variety YLM-66 from ARS, Yelamanchili has occupied 35% of sesame area in Andhra Pradesh and to a tune of 5% to 10% on other States like Maharastra, Telangana and Tamilnadu. The productivity of YLM-66 is significantly superior over other local varieties and contributes to additional income generation to farmers.

- Improved varieties of blackgram and greengram were developed from ARS, Ghantasala, which are highly suitable for rice fallow pulse system. These improved varieties showing higher yields and disease resistance which help in reducing cost of cultivation in terms of plant protection chemicals and improved yields provides higher returns.
- Area occupied by sugarcane varieties developed at SRS, Vuyyuru is 50.09% (41194.36 ha out of 82240.84 ha in A.P. , 53.87% (11,428.86 ha out of 21,214 ha) in Telangana, 21.51% (30,013 ha out of 1,39,459 ha) in Tamilnadu and 58.24% (3229.5 ha out of 5,543 ha) in Sakthi Sugars, Odisha during 2018-19.
- At present, the variety 2003 V 46 (Co V 09-356) is occupying major area in East-Coast Zone of India. It occupied 38.48%, 20.43%, 16.88% and 51.0% area in A.P., Telangana, Tamilnadu and Sakthi sugars, Odisha, respectively during 2018-'19.
- Farmer participatory varietal selection trials conducted by ARS, Darsi in chick pea under Tropical Legumes-II project titled "Enhance chickpea productivity and production in drought-prone areas of sub-Saharan Africa and South Asia (TL-II Project)" from 2008-09 to 2010-11 (Phase I) and 2011-12 to 2013-14 (Phase II) offered valuable opportunities for wider diffusion and adoption of high yielding KAK 2 variety of chickpea in Prakasam district of Andhra Pradesh (90 % of total chickpea area).

**c) Farm Mechanization/Water saving technologies and their impact**

- Popularization of mechanization in redgram and bengalgram including sowing, intercultivation, spraying with tractor sprayer etc. through the efforts of scientists has been constantly increasing over the years.
- Water saving methods of paddy cultivation like sowing with drum seeder and resource conservation cultivation methods like zero tillage maize and jowar demonstrated under AP

water sector improvement project and through trainings were gaining popularity in Prakasam district.

- The details on economic benefits as well as intangible benefits derived by the farmers with the technologies developed from PHTC, Bapatla are furnished below.

| Name of the technology / Equipment | No. of licenses | No. of units sold | Economic benefit to Individual | Economic benefit to Country | Intangible benefit to the society |
|---|---|---|---|---|---|
| Mobile Turmeric Steam Boiler | 2 | 165 | a) Additional premium pricing per quintal: Rs.200-300/-<br>b) Custom hiring benefit Rs. 50/quintal<br>c) Quicker drying time (7 - 10 days when compared to 20-22 days in conventional curing) | a) Reduction in post harvest losses 5-10%<br>b) Employment Generation (800 man-days/year)<br>c) Higher recovery: 100 quintal /day | a) Premium quality of turmeric rhizomes<br>b) Employment generation through custom hiring |
| ANGRAU Turmeric Polisher | 2 | 224 | a) Additional premium pricing per quintal: Rs. 200-300 /-<br>b) Labour savings per quintal: Rs. 15 | a) Reduction in post harvest losses 5-10%<br>b) Employment Generation 240 man-days/year<br>c) Higher recovery: 30 quintal/day | a) Premium quality of primary polishing of turmeric rhizomes<br>b) Employment generation through custom hiring |

| | | | | | |
|---|---|---|---|---|---|
| Multipurpose Polyhouse Solar Dryer | 2 | 127 | a) Additional premium pricing per quintal: Rs. 200-300 /-<br>b) Reduction in % discoloured pods: 8% | a) Poly house Dried chillies have better colour retention and has export value fetching foreign exchange<br>b) Multipurpose usage of polyhouse dryer for coriander production during offseason and nursery raising gives additional income of around Rs.62000 per annum | a) Premium quality of dried chillies for export purpose |
| Compaction-cum-Bagging Unit for Dried Chillies | 1 | 2 | a) The cost of operation reduced from conventional method to mechanized compaction by Rs.10 per bag<br>b) Labour saving | Reduced the drudgery and pungency during trampling and packing involved in the bagging of the dried chilli operation | a) Employment generation through custom hiring |

**d) Technologies for entrepreneurship/Recognitions to Farmers**

The technologies developed at ARS, Vizianagaram helped in doubling of farmers income through marketing of value added products of millets to various government agencies and NGOs. Farmers also got recognition by government of India ***Smt. P. Bhudevi*** *of ARS, Vizianagaram got*

***"Best Farmer Award" during the IIMR, Foundation day*** *celebrations. She has also received the* ***India's highest woman civilian award on March 8th 2020 - "Nari Shakti Puraskar"*** *for the service rendered to tribal farmers particularly in seed village development, self help groups and value addition of small millets* and **Smt K Saraswathi** has received many appreciations from different organizations like "**Raithu Mithra Award"** from IIMR (Indian Institute of Millet Research) in 2018, **"JayahoMahila Award"** from Vizianagaram District Police Department for 2018 & 2019.

**e) Crop Production Technologies**

- Based on the recommendation from ARS, Amadalavalasa, about 20%-30% of the mesta growing farmers are applying FYM @ 5 t/ha along with 75% of recommended dose of N (17.5 kg/ha) that resulted in reduced costs and enhanced yields.
- Further, in mesta, dipping the sticks in 1.25% urea solution up to 50 cm depth from base and keeping overnight before retting resulted in reduced retting time and thus improving the fibre quality, thereby contributing to additional income.

**f) Technologies on Sugarcane/Jaggery**

| Technology developed | Impact |
|---|---|
| 1. Development and release of high yielding varieties like 2009A107 and 2009A252 | Adoption of recentyly released varities benifited sugarcane farmers to realize an additional yield of 4 to 5 tonns per acre over old varieties. |
| 2. Paired row planting in sugarcane | This technology is followed in many of the sugar factory operational areas in A.P for promoting Drip irrigation and partial mechanization, in addition to |

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| | additional yield of 5.0 t//ha. |
| 3. Post Emergence application of Metribuzin 1000 g + 2,4-D 2000 g per ha for control of broad leaved and grassy weeds at 25 to 30 DAP and Almix 20 g $ha^{-1}$ 75 DAP for control of creeper weeds in sugarcane. | This technology is widely followed for management of weeds in sugarcane in A.P. |
| 4. Weather forecast and weather based agro adovsiory | Weather forecast issued by GKMS Scheme by RARS, Anakapalle is widely adopted by farmers of Visakhapatnma district especially during crop harvesting time. The Weather based advisory on timely plant protcection measure comnunicated through Department of Agricultuer is helpful to faremers in effective contol of pests and diseases. |
| 5.Standardized Organic Farming Package in Sugarcane | Due to consumer preference of quality organic jaggery, traders are adopting organic farming package for making organic jaggery and gaining additional Rs.20-25 per kg of jaggery produced. |
| 6.Revised fertilizer dose for Sugarcane in NC Zone | Around 11% yield was improved over current recommended dose of chemical fertilizers and 55-60% farmers are adopting revised fertilizer nitrogen dose only. |
| 7.Standardized rooting media for raising | Many of the seedling growers are adopting this |

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| sugarcane seedlings in portrays | technoclogy for healthy seedling production. |
| 8.New IPM module in sugarcane | Adoption of new IPM technology gave additional yeield of 12.0 $tha^{-1}$ with a CB ratio of 1:1.64 and around 20%-25 % farmers are adopting this technology. |
| 9. Mass production and supply of Biocontrol agents (*Trichogranma chilonis)* and Biopesticides like *Metarhizium*. | Use of biocontrol agents reduced the pesticide consumption in plant protection measures of paddy, sugarcane and vegetables. |
| 10. Sett treatment and spraying of Propiconzole @ 1 ml/L was identified as control measure for smut disease in sugarcane. | This technology is widely adopted by the sugarcane farmers where the 87A 298, a widely cultivated cosmopolitan sugarcane variety (60 % of cane cultivated area of AP) which is susceptible to smut. |
| 11. Developed Process protocol for the preparation of Organic jaggery**.** | Organic jaggery fetches more price than traditional jaggery. The technology of organic jaggery making was transferred to the farmers and entrepreneurs of Andhra Pradesh.<br>1. M/s Haritha Co-operative Society,S.Kota, Vizianagaram;<br>2. Sahaja Aaharam, S.Kota, Vizianagaram;<br>3. Mr. Rama Chandra Raju, Tuni, East Godavari(dist): |

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|---|---|
| | 4. Mr.VisweswaraRao, ZeeraythiKumaram, S. Kota mandal, Vizianagram district. |
| 12. Developed process technology for the preparation of Granular Jaggery.<br>Patent was filed vide Ref. No. 729/CHE/2004 dated 26-07-2004. | By making jaggery in the form of Granules, the farmer would get an additional income of Rs. 300/- per quintal of jaggery. The process technology of Granular jaggery making was transferred to<br>1. M/s Vowel Technologies, Maharashtra-416312.<br>2. M/s Chakravarthy Agro Foods Pvt Ltd., ,Tirupati.<br>3. M/s KVL Bio Products P. Ltd, Secunderabad 500 026.<br>4. M/s Jayalakshmi Agro Industries, Rajam village, Butchayyapetamandal,Visakha district.<br>5. M/S Subham foods, Podugupalem, K. Kotapadu, Visakhapatnam dt. |
| 14. Standardized the process technology for the preparation of liquid jaggery. | Making jaggery in the form of liquid, the farmer would get additional income around Rs.60,000/- per acre. The technology of liquid jaggery making was transferred to |

1. M/S Anusha Agro Industrial Products,Patipalli Road, MunagapakaVillage,Visakhapatnamdt, A.P.

2. M/s. K. Dhara Naga Mani, W/o Sanyasi Naidu, S. Kota, Vizianagaram (Dist) , A.P.

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g) **Others**

- Sub-surface drainage, improved doruvu technology, mechanized system of rice intensification (MSRI), direct sowing of paddy with drum seeder, rotational irrigation (AWD) in rice, micro-irrigation systems for different crops, designs of hydraulically efficient and low cost semi-permanent sprinkler irrigation system, modified broad crested weirs for use in open canals, stem application in cotton, rice fallow pulses, integrated pest management, integrated disease management and integrated nutrient management strategies, profitable cropping systems and farming systems are some of the agro-techniques developed by the University which have succeeded in creating a significant impact on agricultural productivity in the state.
- With a view of optimizing the use of inputs and reducing cost of cultivation, the University has developed Portable Soil Test Kit which enables the farmers to assess soil health and organic carbon, pH, available nitrogen, phosphorus, potash & sulphur in soil and decide the quantity of fertilizers to be applied. Reduction in the recommended phosphorous fertilizer usage by 30 per cent without affecting the crop yields in high phosphorous soils of the state is having significantly impact on soil health management. Farm pond technology developed for dry land areas is a boon to the farmers to enhance yields by 20% to 30%.

**6.6.9.5. International Collaboration (***Mention the list of collaboration taken place during last five years with international agencies/universities/institutes for academic, research and others*)

Directorate of International Programmes, ANGRAU offers a wide range of support services to advance the international research, education and extension and create international linkages with leading universities and institutions. The Directorate of International Programmes plays a key role in a) International Agreements, b) Collaborative research projects with international organizations, c) Coordinating Faculty participation in overseas programmes, and d) Coordinating the visits of foreign delegations, etc.

During the last five years, ANGRAU has active linkages and collaborations (MoUs) with the following International Universities.

**Table 73. MoUs of ANGRAU with International Universities**

| S. No. | Name of the Institute | Expiry of Agreement |
|---|---|---|
| 1 | Kansas State University Manhattan, USA | Active from 25th April, 2006 (Valid till either party desires to terminate) |
| 2 | Oklahoma State University Stillwater, USA | Active from 10th February, 2012 (Valid till either party desires to terminate) |
| 3 | University of Western Australia Western Australia, Australia | 5y/ 17.10.2023 |
| 4 | New Mexico State University, USA | 5y/ 03.08.2025 |

However, collaborations were made with several foreign universities by ANGRAU before the State bifurcation. The following are the list of foreign universities along with contact details for collaborative research/academics in ANGRAU.

**Table 74. List of Collaborations made by ANGRAU with International Universities/Organizations**

| Name of the University | Contact Address |
|---|---|
| Alabama A & M University,<br>Normal, Alabama, USA | Dr. Srinivas Rao Mentreddy<br>Professor and Programme Coordinator<br>Plant Science & Molecular Genetics<br>E-mail : mentreddy@gmail.com<br>Tel : 256-457-8552 |
| Alcorn State University, Alcorn State,<br>Mississippi, USA | Dr. Dovi Alipoe<br>Director and Professor, Office of Global Programs<br>E-mail : alipoe@alcorn.edu<br>Tel: 601-877-6543 |
| Auburn University, Auburn, Alabama, USA | Dr. M. S. Reddy<br>Professor, Dept. of Entomology& Plant Pathology,<br>E-mail: munagrs@auburn.edu<br>Tel: 334-559-1971 |
| Cornell University, Ithaca,<br>New York, USA | Dr. K.V. Raman<br>Executive Director, CEEM, Potato Late Blight Project<br>Professor, Department of Plant Breeding & Genetics<br>E-Mail : kvr1@cornell.edu<br>Tel: 607-327-1824 |
| IOWA State University of Science & Technology, Ames, Iowa, USA | Dr. B. Manju Reddy<br>Associate Professor, Food Science and Human Nutrition<br>E-mail : mbreddy@iastate.edu<br>Tel: 515-294-2024 |
| Kansas State University, Manhattan, Kansas, USA | Dr. Bhadriraju Subramanyam<br>Expertise: Entomology<br>Professor, Post-harvest Protection<br>Department of Grain Science and Industry<br>E-mail: sbhadrir@k-state.edu<br>Tel: 785-532-4092 |
| North Carolina Agricultural & Technical State University, North Carolina, USA | Dr. Gudigopuram B. Reddy<br>Expertise: Bioremediation, Environmental Microbiology<br>Professor, Dept. of Natural Resources & Environmental Design<br>E-mail : reddyg@ncat.edu<br>Tel: 336-334-7543 |

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| Tennessee State University, Nashville, Tennessee, USA | Dr. Chandra Reddy<br>Dean and Director of Research/Administrator of Extension<br>College of Agriculture, Human and Natural Sciences<br>E-mail : creddy@tnstate.edu<br>Tel: 615-963-7561 |
| Tuskegee University, Tuskegee, Alabama, USA | Dr. P. Gopal Reddy<br>Professor, Dept. of Pathology, College of Veterinary Medicine<br>Nursing & Allied Health<br>E-mail : reddyg@mytu.tuskegee.edu<br>Tel: 334-724-4438 |
| University of Agriculture, Abeokuta, Nigeria | Prof Olusula B. Oyewole<br>Vice-Chancellor |
| University of Florida, Gainesville, Florida, USA | Dr. K. Ramesh Reddy<br>Graduate Research Professor<br>Distance Education Coordinator and Department Chair<br>Biogeochemistry<br>E-mail :krr@ufl.edu<br>Tel: 352-294-3154 |
| University of Missouri, Missouri, USA | Dr. Kenneth C. Schneeberger<br>College of Agriculture<br>Food and Natural Resources<br>University of Missouri, Missouri, USA<br>E-mail : SchneebergerK@missouri.edu<br>Tel: 573-882-8777 |
| Oklahoma State University, Stillwater, USA | Dr. Vijaya Gopal Kakani<br>Assistant Professor of Bioenergy Crop Production<br>E-mail : v.g.kakani@okstate.edu<br>Tel: 405-744-4046 |
| University of Maryland, USA | Dr. Joseph B. Scholten<br>Associate Director, Institute for International Programs<br>E-mail: scholten@umd.edu<br>Tel: 301 405 1559 |
| Michigan State University, USA | Dr. Christopher H. Peterson<br>Director, MSU Product Center<br>Co-Director MSU Metro Foodplus Initiative<br>E-mail: peters17@msu.edu<br>Tel: 517-355-181 |

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| Mississippi State University, USA | K. Raja Reddy<br>Professor of Crop Physiology<br>E-mail: krreddy@pss.msstate.edu<br>Tel: 662-325-9463 |
| University of California, Davis, California, USA | Dr. Kent Bradford<br>Dept. of Plant Science<br>E-mail: kjbradford@ucdavis.edu<br>Tel: 530-219-9370 |
| Czech University of Life Sciences, Prague | Prof. Josef Soukup<br>Head, Dept. of Agroecology and Biometeorology<br>E-mail: soukup@af.czu.cz<br>Tel: +420/ 224 382 780 |

ANGRAU has signed Cooperative Agreements with few international Universities/Organizations that provides scope for reciprocal exchange of students and general collaboration on faculty visits, academic interchange, or other matters of mutual interest. The following are the details of the International Universities with which cooperative agreements were made.

- Alabama A & M University, Normal, Alabama, USA
- Alcorn State University, Alcorn State, Mississippi, USA
- Auburn University, Auburn, Alabama, USA
- Australian Centre for International Agricultural Research, Canberra, Australia
- Cornell University, Ithaca, New York, USA
- International Crops Research for the Semi-Arid Tropics, Hyderabad, India
- International Fertilizer Development Centre, Muscle Shoals, Alabama, USA
- Iowa State University of Science & Technology, Ames, Iowa, USA
- Kansas State University, Manhattan, Kansas, USA
- Makerere University, Kampala, Uganda

- North Carolina Agricultural & Technical State University, North Carolina, USA
- Tennessee State University, Nashville, Tennessee, USA
- Tuskegee University, Tuskegee, Alabama, USA
- University of Agriculture, Abeokuta, Nigeria
- University of California, Davis, California, USA
- University of Florida, Gainesville, Florida, USA
- University of Goettingen, Goettingen, Germany
- University of Missouri, Columbia, USA
- Wageningen Agricultural University & Research Center, The Netherlands

**6.6.9.6. Fund Raising through CSR (***How much fund the university has collected from corporate sector for on-farm research and extension and other related activities in last five years*)

The Corporate Social Responsibility (CSR) resource-investment from the Corporate Sector to ANGRAU was not witnessed during the last five years. The recent updates on CSR modalities, policy framework of CSR, reasons for low investment in agriculture by corporate are obtained based on two-day workshop on "Corporate Social Responsibility for Agricultural Development" held at National Institute of Agricultural Extension Management (MANAGE), Hyderabad in collaboration with Birla Institute of Management Technology (BIMTECH) during November 19-20, 2018. The workshop was attended by scientists of KVKs, different agricultural universities including ANGRAU besides corporate sectors.

Presently, plans to attract sustained interventions from corporate sector through CSR are in place in ANGRAU to overcome the lag in procuring funds.

**6.6.9.7. Alumni Support (***Does the University have the active alumni association. How much fund the Association has raised for the development of the University? What the other areas where the Association is supporting to the University*)

The ANGRAU has an established alumni association with 865 active members. The alumni association has an exclusive Advisory Board that extends suggestions and supports for the upliftment of ANGRAU-Alumni fraternity. The Executive Board at University level functions to manage the affairs of the association. The regional executive boards manage the affairs of the association at college levels.

The ANGRAU Alumni Association envisions in academic excellence, farm development and farm sustainability with a mission to fostering lifelong spirit of belongingness and lifelong commitment among alumni through continuous engagement with the alma mater. The objectives of the ANGRAU Alumni association are to a) nurture a platform for networking and developing the fraternity among Alumni, b) encourage the Alumni to take a proactive and abiding interest in the progress and development of the Alma Mater, its Alumni and the Institution, c) exchange in professional knowledge, organize technical conferences, seminars, workshops, skill and executive development programmes, research studies, consultancy workshops and training courses, d) establish career counseling and guidance centers at the college level with a view to shaping the career of the students, and e) publish journals, magazines and newsletters etc., for the dissemination of knowledge and events among the alumni and professionals.

An exclusive website “angraualumni.com” is being maintained to coordinate among the association members in realizing their goals. Contributions to University are being planned in areas of a) initiation of Gold Medals in relevant areas of research, b) consensus on financial contributions to their colleges in sanctioning buildings from which baccalaureate degrees were awarded and in assisting students on their placements. The funds that are generated at regional

alumni centers will be maintained at source and a share (25%) will be transferred to central alumni association unit at Guntur.

At Agricultural College, Bapatla, an "Alumni Agricultural Graduates Trust for College Development (AAGTCD) was formed for the benefit of students and the public at large. It is proposed to construct three storied Alumni house with a) Conference Hall, b) Dining Hall, c) Guest Rooms, d) Executive guest rooms, e) Dormitory beds, and f) Parking facility. The finances will be made available from student membership fee, trust membership fee and contributions in the form of donations.

Funds generated by ANGRAU Alumni Association

- At Central Alumni at University level, an amount of Rs. 12, 29, 373.00 (Rupees Twelve lakhs twenty nine thousand and three hundred and seventy three only) is available as on October 4, 2020.
- At SV Agricultural College, Tirupati, as of March 2020, a total of Rs. 7, 10,980/- has been generated from alumni and of that Rs. 93,255/- has been remitted to Central Alumni at University Headquarters, Guntur.
- At Agricultural College, Bapatla the total assets as on March 31, 2020 are Rs. 38,81,761=50 (including fixed deposits, mutual funds, and liquid cash).
- At other colleges, the fund generation is in progress.

**6.6.10.**

# CERTIFICATE

I, the Registrar of Acharya N G Ranga Agricultural University hereby certify that the information contained in the sections 6.4, 6.5, and 6.6.1.1. to 6.6.9.7 are furnished as per the records available in the University.



***Annexure to 6.6.3.4***

| S. No. | Publication | NAAS rating |
|---|---|---|
| | **2015** | |
| 1. | Lakshman, K., Vyas, A.K., Shivakumar, B.G. and Rana, D.S. 2015. Effect of levels and time of sulphur application on growth, yield and quality of soybean (*Glycine max*). *Indian Journal of Agronomy*. 60 (1): 50-54. | 5.46 |
| 2. | Nataraj, M.V., Chalam, M.S.V, Madhumathi, T and Srinivas Rao, V. 2015. Bio efficacy of new insecticides against major pests of *okra*. *Indian Journal of Plant Protection*. 43(2): 233-236. | 5.07 |
| 3. | Jayalalitha K, Ashoka Rani Y, Ratna Kumari S and Prasuna Rani P. 2015 Effect of water stress on morphological, physiological parameters on seed cotton yield of *Bt* Cotton (*Gossypium hirsutum* L.) hybrids *International Journal of Food, Agriculture and Veterinary Sciences.* 5(3): 99-112. | ICV 68.55 |
| 4. | Tufail Manzoor and Jayalalitha K. 2015. Effect of waterlogging on biochemical parameters and yield in maize (*Zea mays* L.) hybrids. *International Journal of Food, Agriculture and Veterinary Science*. 5(2): 92-27. | ICV 68.55 |
| 5. | Kadiyala, M.D.M., Nedumaran, S., Piara Singh, Chukka S., Mohammad A. Irshad, and Bantilan M.C.S. 2015. An integrated crop model and GIS decision support system for assisting agronomic decision making under climate change. *Science of the Total Environ*. 521: 123-134. | (11.59/ 6.551) |
| 6. | Kadiyala, M.D.M., James W. Jones, Mylavarapu, R.S., Li Y.C., Reddy M.D. and Umadevi M. 2015. Study of spatial water requirements of rice under various crop establishment methods using GIS and crop models. *Journal of Agrometeorology.* 17(1): 1-10. | 6.64 |
| 7. | Nidumolu, U.B., Pt Hayman, Hochman, H., Horan, Z., Reddy, D.R., Sreenivas, G. and Kadiyala M. D. M.. 2015. Assessing climate risks in rainfed farming using farmer experience, crop calendars and climate analysis. *The Journal of Agric*. Sci. 1-14. | IF 1.082 |
| 8. | Kadiyala, M. D. M., Mylavarapu, R. S., Li, Y. C., Reddy, G. B., Reddy K.R. and Reddy M. D. 2015. Uptake efficiency and loss of 15N-Urea in flooded and aerobic rice fields under semi-arid conditions. *Paddy and Water Environ*. 1-12. | (7.26/ 1.262) |
| 9. | Kadiyala, M. D. M., James. W. Jones, Mylavarapu, R. S., Li, Y. C. and Reddy M. D. 2015. Identifying irrigation and nitrogen best management practices for aerobic rice–maize cropping system for semi-arid tropics using CERES-rice and maize models. *Agric*. *Water Manage.* 149: 23-32. | (9.54/ 4.021) |

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| 10. | Srinivasarao, Ch., Vijay Sankar Babu, B. M., Ravindra Chary, G. 2015. Magnesium balance in four permanent manurial experiments in rainfed agro ecosystems of India. *Crop and Pasture Science.* (Australian Journal of Agricultural Research). 66(12): 1230-1240. | 7.33 |
| 11. | Sudharani D., Narasimha Rao Ch. V. and Suryanarayana Y. 2015. Knowledge, attitude and practices of farmers on management of rodent pests in West Godavari District of Andhra Pradesh. *Indian Journal of Plant Protection*. 43(2): 201-207. | 5.07 |
| 12. | Srinivas, D., Bharatha Lakshmi, M. and Bhattacharya, P. 2015. Carbon pools and associated soil enzyme activities as influenced by long term application of fertilizers and manure in lowland rice soil. *Journal of Indian Society of Soil Science.* 63(3): 310-319. | 5.17 |
| 13. | Sarma, A. S. R., Rama Reddy, Y., Ashok Kumar K. and Padmalatha, Y. 2015. Seasonal dynamics of insect pests of cotton in scarce rainfall zone of Andhra Pradesh. *Journal of Insect Science.* 28(1): 53-57. | 7.54 |
| 14. | Ashok Kumar, K., Neelima, K., Madhusudhan, P., Venkataramanamma, K., Munirathnam, P. and Padmalatha, Y. 2015. Scaling up of sunflower productivity through improved component technology in Kurnool district of Andhra Pradesh*.J ournal of Oilseeds Research*. 32(2): 167-169. | 5.02 |
| 15. | Bhagavatha Priya, T., Subramanyam, D and Sumathi, V. 2015. Weed dynamics and yield of groundnut as influenced by varieties and plant population. *Indian Journal of Weed Science.* **47**(1): 75-77. | 5.17 |
| 16. | Devi, P.A.V., Naidu, M. V. S. and Rao, A.R.K. 2015. Characterization and classification of sugarcane growing soils in southern agro-climatic zone: A case study in eastern mandals of Chittoor district in Andhra Pradesh. *Journal of the Indian Society of Soil Science*. 63(3): 245-258. | 5.23 |
| 17. | Ramana, C., Munaswamy, V., Ravindra Reddy, B. and Prasanathi, A 2015. Yield and economic impact of less – water consumption techniques in tank irrigated rice (*Oryza sativa* L.) and groundnut (*Arachis hypogaea*) crops. *Indian Journal of Agricultural Sciences.* 85(6): 782-786. | 6.25 |
| 18. | Sireesha, P.V.G. and Naidu, M.V.S. 2015. Clay mineralogy of soils developed from granite-gneiss of Kurnool district in Andhra Pradesh. *Journal of the Indian Society of Sol Science*. 63(1): 16-23. | 5.21 |
| 19. | Madhumathi C and Reddi Sekhar, M. 2015. Genetic variation for morphological and fruit characteristics among sweet orange accessions. *Indian Journal of Horticulture.* 72(1): 121-125. | 6.11 |
| 20. | Vasanthi, R.P., Suneetha, N. and Sudhakar, P. 2015. Genetic diversity based on physiological attributes among released and pre-release cultures of groundnut. *Legume Research – An International Journal*. 38(1): 47-50. | 6.15 |

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| 21. | Vasanthi, R.P., Suneetha, N. and Sudhakar, P. 2015. Genetic variability and correlation studies for morphological, yield and yield attributes in groundnut. *Legume Research– An International Journal*. 38(1): 9-15. | 6.15 |
| 22. | Vemana, K., Md Khureshi, C.S., Padma, J.G., Shabbir, S., Seshadri Goud, T.E., Anthony Johnson, A. M., Naik, K.S.S. and Reddy, D.L. 2015. First report of groundnut bud necrosis virus infecting *Parthenium hysterophorus* in India. *Plant Disease*. 99 (9): 1287. | 9.58 |
| 23. | Rani, C.S., Ramachandra Rao, G., Chalam, M.S.V., Anil Kumar, P and Srinivasa Rao, V. 2015. Efficacy of leaf extracts and newer insecticides against *Marucas vitrata* in greengram. *Indian Journal of Plant Protection*. 43(1): 12-16. | 5.07 |
| 24. | Reddy, P.L., Sharma, O.P., Reddy, A., Mallishwara, Jyosthsna, M.K and Kumari, A. 2015. Implementation of IPM practices in farmer's participatory mode in Andhra Pradesh and impact on chickpea pest scenario, with special reference to rust disease. *Indian Journal of Plant Protection*. 43(1):128-130. | 5.07 |
| 25. | Srilatha, V., Reddy, Y.T.N., Upreti, K.K. and Jagannath, S. 2015. Pruning and Paclobutrazol induced changes in vigour, flowering and hormonal changes in mango (*Mangifera indica L.*). *The Bioscan.* 10(1): 161-166. | 5.26 |
| 26. | Ashok Kumar, G., Sailaja, V., Satyagopal, P.V. and Prasad, S.V. 2015. Construction and Standardization of Knowledge Test to measure the knowledge level of Farmers on SRI Technology. *Indian Research Journal of Extension Education*. 15(4): 161-165. | 5.32 |
| 27. | Rama Lakshmi, Ch S, Rao, P C, Sreelatha, T, Madhavi, M, Padmaja G and Rao P V. 2015. Residual effects of organic and inorganic nutrient sources on macro and micro nutrient status of *rabi* greengram under rice-greengram cropping system. *Legume Research.* 38(4): 496-502. | 6.14 |
| 28. | Usha Rani, T., Balaguravaiah, D. and Bharathalaxmi, M. 2015. Effect of different levels of phosphorus on quality of sugarcane jaggery as influenced by cane trash and mycorrhizae. *Geobios*. 42(1&2): 33-42. | 7.19 |
| 29. | Girija Rani, M., Ravi Kumar, BNVSR., Bhuvaneswari, V., Krishnam Raju, S., and Satyanarayana, PV. 2015. Phenotypic and molecular screening of advanced back cross population for neck blast resistance in rice. *International Journal of Applied and Pure Science and Agriculture*. 1(5): 112-116, ISSN: 2394-5532. | 5.295 |
| 30. | Phani Kumar, K. and Raju, AK. 2015. Drum seeded rice: an improved technology in rice production system. *Journal of Crop and Weed.* 11 (Special issue) 201-204. | |
| 31. | Tejeswara Rao, K., Upendra Rao, A., Sekhar, D. and Venugopala Rao, N. 2015. Identification of suitable and profitable *rabi* crops for high altitude and tribal areas of Andhra Pradesh. *Journal of Ecofriendly Agriculture.* 10(2): 139-141. | |
| 32. | Sitarama Raju, S. and Prasad, N.V.V.S.D. 2015. Stem application technique against early season sucking pests in cotton and their impact on natural enemies. *Journal of Insect Science*. 28(2): 221-226. | 7.54 |

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| 33. | Mahalakshmi, M S., Sreekanth, M., Adinarayana, M and Koteswara Rao, Y. 2015. Efficacy of some novel insecticide molecules against incidence of whiteflies (*Bemesia tabaci* Genn.) and occurrence of Yellow Mosaic Virus (YMV) disease in Urdbean" *International Journal of Pure and Applied Bioscience.* 3(5): 101-106. | 7.45 |
| 34. | Sudha Rani, D., NarasimhaRao, Ch. V., Suryanarayana, Y and Bharatha Lakshmi, M. 2015. Studies on efficacy of bait carriers in enhancing bait preferences among the lesser bandicoot, *Bandicota bengalensis* (European). *Journal of Biomedical and Pharmaceutical Sciences.* 2(3): 308-315. | 6.04 |
| 35. | Anny Mrudhula, K. and Krishna Veni, B. 2015. Effect of nitrogen doses on growth and yield of new released rice variety BPT 2295 - Bapatla Mahsuri. *The Journal of Pharmacognosy and Phytochemistry.*. | 5.21 |
| 36. | Kalyani, K., Sailaja, V and Chandrasekhar Rao, P. 2015. Potassium fractions in soil and response of cauliflower (*Brassica oleracea* var. Botrytis) in coarse textured soils of Rangareddy district. *Journal of the Indian Society of Soil Science.* 63(1): 69-74. | 5.23 |
| 37. | Madhavi, P., Sailaja, V., Ram Prakash, T. and Hussain, S. A. 2015. Effect of fertilizers, biochar and humic acid on soil enzymes at different stages of maize growth. *International Journal of Current Research.* 7(12): 23871-23875. | 5.38 |
| 38. | Revathi, K., Sreekanth, M. and Krishnayya, P V. 2015. Response of pigeonpea genotypes to podfly, *Melanagromyza obtuse* (Malloch). *Journal of Insect Science*. 28(1): 148-152. | 7.54 |
| 39. | Sujatha, T. and Jhansi, K. 2015. Studies on post harvest deterioration in sugarcane clones. *International Journal of Tropical Agriculture.* 33(3): 2345-2347. | |
| 40. | Kirti Sharma, N. Sambasiva Rao, R. K. Sharma and Mala Shukla. 2015. Protection by custard apple, *Annona squamosa* L. Ethyl acetate extract to stored wheat against larvae of Khapra beetle, *Trogoderma granarium* Everts. *Vegetos.* 28(4): 131-136. | 6.40 |
| 41. | Venkatesh Babu, D., Sharath kumar Reddy, Y and Sudhakar P. 2015. Identification of high Water Use Efficiency and high yielding *ragi* genotypes for rainfed conditions. *The Bioscan.* 9(4): 1777-1780. | 5.26 |
| 42. | Mohan Naidu, G. 2015. Applicability of ARIMA models in wholesale vegetable market. *International Journal of Agricultural and Statistical Sciences.* 11(1): 69-72. | 5.13 |
| 43. | Mohan Naidu, G. 2015. Selection of appropriate growth model for projection of sugarcane area, production and productivity of Andhra Pradesh.*International Journal of Agricultural and Statistical Sciences*. | 5.13 |
| 44. | Mohan Naidu, G., Srikala, M and Chaithanya Kumar, G. 2015. Forecast modeling of sugarcane in Andhra Pradesh. *International Journal of Agricultural and Statistical Sciences.* 11(2): 301-306. | 5.13 |

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| 45. | Visalakshi, M., Bhavani, B. and Govinda Rao, S. 2015. Field evaluation of entomopathogenic fungi against white grub, *Holotrichia consanguinea* Blanch in sugarcane. *Journal of Biological Control.* 29(2): 103-106. | 5.34 |
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| 47. | Ramana, C., Ravindra reddy, B., Muna Swamy, V and. Prasanthi, T. 2015. Yield and economic impact of less water consumption techniques in tank irrigated rice (*Oriza sativa*) and Groundnut (*Arachis hypogaea*) crops. *Indian J. of Agricultural Sciences.*85(6): 782-6. | 6.14 |
| 48. | Ramana Reddy, DV., Maruthi Sankar, GR., Ramasubbaiah, K., Sreenivasa Chari, M., Sharma, SHK., Pushpanjali, N., Visha Kumari, V and Naga Sravani P. 2015. Assessment of Soil-Plant-Fertilizer-Nutrient relationships for sustainable productivity of turmeric under Alfisols and Inceptisols in Southern India. *Communications in Soil Science and Plant Analysis.* 46(6): 781-799. | 6.42 |
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| 50. | Rajasri M and V Lakshminarayanamma, 2015, Eri silk worm rearing on different castor genotypes and their economic analysis. *The Bioscan.* 10(2): 567-571. | 5.26 |
| 51. | Prasad J V N S, Srinivasa Rao Ch, Ravi chandra K, Naga Jyothi Ch, Prasad Babu M B B, Ravindra Babu V, Raju B M K, Bapuji Rao B, Rao V U M, Venkateswarlu B, Devasree Naik and Singh V P 2015 Greenhouse gas fluxes from rainfed sorghum (Sorghum bicolour) and pigeon pea (Cajanus cajan)-Interactive effects of rainfall and temperature. *Journal of Agrometeorology.* 17 (1): 17-22. | 6.64 |
| 52. | Ramalakshmi, V., Prasad, G.M.V and Madhumathi, T. 2015. Estimation of yield losses due to sucking pests in transgenic cotton. *Indian Journal of Plant Protection*. 43(1): 98-100. | 5.07 |
| 53. | Sandhya Rani, C., RamachandraRao, G., Chalam, M.S.V., Anil Kumar, P and Srinivasa Rao, V.2015. Field Screening of Greengram Genotypes against Maruca vitrata in Summer. *Journal of Agriculture and Crop Science*. 1(2): 18-25 | if 0.87 |
| 54. | Sandhya Rani, C., RamachandraRao, G., Chalam, M.S.V., Anil Kumar, P and Srinivasa Rao, V.2015. Estimation of avoidable losses due to Marucavitrata (G.) in summer greengram. *Indian Journal of Biological Sciences.* 4(1):1-5. | 5.07 |
| 55. | Deepa, M., Sudhakar, P., Nagamadhuri, KV., Reddy, KB., Krishna, TG and Prasad TNVKV. 2015. First evidence on phloem transport of nanoscale calcium oxide in groundnut using solution culture technique. *Applied Nanoscience.* 5(5): 545-551. | 9.20 |
| 56. | Sasikala, A., Rao, ML., Savithramma, N and Prasad T. 2015. Synthesis of silver nanoparticles from stem bark of *Cochlospermum religiosum* (L.) Alston: an important medicinal plant and evaluation of their antimicrobial efficacy. *Applied Nanoscience.* 5(7): 827-835. | 9.20 |

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| 59. | Kona Praveen, K., Reddy, H. P., Hemanth Kumar, M., Reddy, D.M., Eswar Reddy, N. P. Latha, P and Balaji, M. 2015. Morphological characterization of sugarcane somaclones using DUS descriptors. *The Bioscan*. 10: 33-44. | 5.26 |
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| 61. | Nookala, S., Tollamadugu, NVKVP., Thimmavajjula, GK and Ernest D. 2015. Effect of citrate coated silver nanoparticles on biofilm degradation in drinking water PVC pipelines. *Advances in Nano Research*. 3(2): 97. | 10.58 |
| 62. | Sri Sindhura, K ., Prasad, T., Panneer Selvam, P and Hussain, OM. 2015. Biogenic synthesis of zinc nanoparticles from *Thevetia peruviana* and influence on soil exo-enzyme activity and growth of peanut plants. *International Journal of Applied and Pure Science and Agriculture*. 1(2): 19-32. | 5.29 |
| 63. | Kumar, M. R., Sudhakar, P., Krishna, S.U., Santhoshi, M.V., Latha, P and Krishna, T.G. 2015. Quantitative estimation of aflatoxins produced by *Aspergillus flavus* in maize and their management. *Indian Journal of Plant Protection.* 43(1): 75-79. | 5.07 |
| 64. | Chandrayudu, E., Krishna, T. M., Sudheer, M. J., Sudhakar, P and Vemana, K. 2015. Status of insecticide resistance in *Spodoptera litura* occurring on groundnut in Andhra Pradesh and Telangana. *Indian Journal of Plant Protection*. 43(4): 420-425. | 5.07 |
| 65. | Chandrayudu, E., Krishna, T. M., Sudheer, M. J., Sudhakar, P and Vemana, K. 2015. Bio-efficacy of certain botanicals and bio-pesticides against Tobacco Caterpillar, *Spodoptera litura* Fab. in *rabi* groundnut. *Journal of Biological Control*. 29(3): 131-133. | 5.34 |
| 66. | Lakshminarayana, R., Vemireddy, Sabahat Noor, Satyavathi, VV., Srividhya, A., Kaliappan, A., Parimala, SRN., Prathibha, M., Bharathi, Dondapati., Deborah, A., Sudhakar Rao, KV., Shobharani, N., Siddiq, EA and Javaregowda Nagaraju. 2015. Discovery and mapping of genomic regions governing economically important traits of Basmati rice. *Plant Biology.* 15(1): 207. | 9.67 |
| 67. | Sarada, G., Venkataramana, K.T., Rao, A.R.K and Mukundalakshmi L. 2015. Evaluation of different spray schedules against leaf miner, *Phyllocnistis citrella* in young orchards of sweet orange: *Journal of Insect Science*. 28(1): 108-110. | 7.54 |
| 68. | Srinivasa Rao, V., Nafeez Umar, Sk., and Chandra Sekhar Reddy, M. 2015. A study on arrivals and prices of red chillies in Guntur market yard– A Time Series approach. . 3(5): 6-10. | 7.63 |

| 2016 | | |
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| 69. | Sunil Kumar, Martin Luther, M., Vikram Kumar and Meena, R. N. 2016. Thermal requirement, heat use efficiency and plant responses of gum guar (*Cyamopsis tetragonoloba* (l.)) cultivars under different environment. *Journal of Agrometeorology.* 18(2): 324-325. | 6.64 |
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# SELF STUDY REPORT
*for*
# ACCREDITATION OF COLLEGE

**Acharya N. G Ranga Agricultural University**
**AGRICULTURAL COLLEGE**
**BAPATLA-522101**
**GUNTUR DISTRICT, ANDHRA PRADESH**

# AGRICULTURAL COLLEGE
# BAPATLA
# CELEBRATING 75 YEARS
# PLATINUM JUBILEE YEAR
# (Founded on 16th July, 1945)

"Cultivate faith with seeds of vision to yield fruits of action"

Sir S. V. Ramamurthi, I.C.S

Advisor to the Governor of the erstwhile Madras State

One of the founder visionaries of Agricultural College, Bapatla on its foundation day, 16-07-1945

# OUR MISSION

As a constituent College of Acharya N. G. Ranga Agricultural University (ANGRAU) and in tune with the ANGRAU's Vision 2020 Strategic Plan Document, the mandated mission statements of this College are:

- Education — To train the manpower needed for agricultural development of the State of Andhra Pradesh.
- Research — To constantly improve and generate technologies for increasing production in agriculture.
- Extension — To assist through the development departments of the Government, in the process of dissemination of the improved technologies to the farmers of Andhra Pradesh

**ANGRAU's Mission statement**

**"Making Agriculture Profitable"**

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# AGRICULTURAL COLLEGE
# BAPATLA
# HISTORY OF THE COLLEGE

Andhra Pradesh is predominantly an agricultural State with 70% of the population depending on agriculture for their livelihood. Agriculture not only provides food, fodder and industrial raw material but also serves as the largest sector of employment contributing 45% of State's income. The Agricultural prosperity of the State is the result of continuous and collective endeavour of several agencies and institutions among which the Agricultural College, Bapatla can claim its legitimate place.

From the time Andhra University carved out, there was a persistent demand for opening of college of Agriculture in Andhra area. The college owes its inception much to the earnestness and dynamism of Sir S V Ramamurthi, ICS, Advisor to the Governor of the erstwhile Madras State, in-charge of Agriculture portfolio. With the launching of many agricultural projects and "Grow More Food Campaign" in post-second World War reconstruction era, an urgent need was felt to have more agricultural graduates the Agricultural College, Coimbatore could then turn out.

As a result of this, late Sir Sonti Venkata Ramamurthi (S V Ramamurthy) and Late Dr B V Nath, Director of Agriculture, Madras decided to start an another Agricultural College in Andhra region which constituted a separate agro-climatic zone distinct from the southern parts of Madras State, wherein the only Agricultural College for the composite State of Madras was located at Coimbatore. The year 1945 happened to be a propitious to press the then Government of Madras, for not only sanctioning the long pending scheme, but also executing in the same year.

Despite war-time conditions prevailing then, the determined efforts of Sir S V Ramamurthi and Dr. BV Nath compelled the government to sanction the scheme for very expeditious execution. Final sanction was accorded in April 1945 and inauguration of college was fixed in July 1945 to coincide with the beginning of the academic year. There was thus hardly a couple of months to complete all preliminaries connected with the selection of a place and site for housing the college, its hostel and the farm including the procurement of materials for various laboratories, classrooms, farm and workshop. Then the Director of Agriculture with his usual zeal, drive and determination to see things through in the scheduled time, set about organizing teams of officers for various

tasks. The regional Deputy Director of Agriculture, Mr. Sitarama Pathrudu did the spade work connected with the selection of site, building and farm. His selection of Bapatla, was approved by one and all. To house college and laboratories, there was the lofty U shaped single storied high school building with spacious airy classrooms and two halls, with an attached hostel and extensive playground and compound admitting of extensions and erection of new ones if necessary.

The then District Board President, Sri. P. V. Krishnayya Choudary, with the unanimous support of the members of the Board welcomed the idea of opening of an Agricultural College in Bapatla, and readily offered to lease the High School Building with its compound and Play ground with option to acquire the same at a later date. As the college also require farm for demonstration and practicals, Sri P. V. Krishnayya Choudary's love and affection towards agriculture and agricultural education persuaded him to get the acceptance of his brother-in-law Sri Y Satyanarayana of Ponnur to lease out his fields at Machavaram for running the college farm for a period of five years.

Necessary farm and laboratory equipment and furniture to start with were shared with the Coimbatore College and other research stations in the province. They were moved with lightening speed to be readily fitted up to start the classes on the opening day itself. Dr. BV Nath selected the team of lectures and assistants for the college.

These readymade facilities available at Bapatla for starting the Agricultural College with farm facilities with untiring efforts of Sri P.V. Krishnayya Choudary, unstinted cooperation from Sri Y Satyanarayana of Ponnur, local authorities, several non-officials, and local elite people of Bapatla town, the long cherished dream of people of Andhra came into reality on 16th of July, 1945 when the Agricultural College was started at Bapatla with an intake of 96 students (with 3 lady students) a year with Sri C R Srinivasa Iyengar as its first Principal. It was really a day of rejoicing throughout the Andhra.

Sri CR Srinivasa Iyengar, the first Principal, made it possible in six months to see that the chemical, biological laboratories and engineering workshop was ready to ensure that the coaching was in no way inferior to that was imparted at the parent college Coimbatore. In the meanwhile, he planned to get sanction for pucca laboratories

and additional hostel buildings. He also selected the site for the college farm, close to the town.

The University Commission and the Vice-Chancellor of The Andhra University, Dr. C R Reddy inspected the college and recommended its affiliation to the Andhra University from December 1945. The declaration of Indian Independence and Grand Independence Celebrations was the first milestone in the history of this college. The first batch of students completed their course and took their degree in 1948 from the Andhra University, Waltair. An area of 328 acres was acquired on Bapatla-Guntur road in the year 1950 and the college farm was shifted to this new area from Machavaram.

The desire of several senior staff members to do post-graduate research evoked positive response from the Government. Recognition was given to the college to start M.Sc (Ag) by research from 1951 with the untiring efforts of Sri P V Ramaiah, Dr T V Reddy and Dr B Appalanaidu. This also paved the way for recognition of Research Stations like Anakapalli, Samarlakota, Kodur and Lam for carrying out post-graduate research. Forty one staff members from different sections of this college obtained M.Sc (Ag) degrees from Andhra University.

Several additional buildings and hostels were constructed and electrified by 1953 during the regime of late Sri P V Ramaiah as Principal. The Andhra Agricultural Union (AAU) was started in 1953 with the sole objective of disseminating the findings of agricultural research by publishing the Andhra Agricultural Journal under the patronage of Late Sri M. Kanti Raj, Director of Agriculture. The journal got national and international recognition.

At this moment of time, the research units of Chemistry, Entomology and Plant Pathology departments were shifted to this college from Coimbatore and the respective specialists were declared as Professors and teaching sections were attached to them. Special mention had to be made of the fillip given to post-graduate research by starting several research projects such as the Weed Control Project, the Rice Stem borer Project, the Cashew Research Station, Land Reclamation Scheme, Biological Nitrogen Fixation Scheme, Phosphate Potential Scheme etc.

In the year 1956, with the formation of Andhra Pradesh, the Specialists of Research units of Chemistry, Entomology and Plant Pathology were transferred to Rajendranagar leaving the Research units at this college as Regional units.

The Government of Andhra Pradesh entered into an agreement with Kansas State University (KSU) under the USAID programme and the first to go to KSU in 1957 were Sri B Appalanaidu, Mr Md Khasim Adeni and Mr V V K Sastry. The first to receive the Ph.D degree under KSU-USAID Programme was Dr B Appalanaidu, who later served the college as Principal for 6 years and also as Director of Extension, APAU.

In earlier years, the college did attract students not only from Andhra Pradesh but also from other States such as Kashmir, Tripura, Orissa, Mysore and Tamil Nadu. In 1957, the annual student intake was raised from 96 to 144 and again in 1965-66 from 144 to 180 to cater to the expanding needs of the State Department of Agriculture and other organizations.

During 1957-59, some more buildings were constructed to house Dairy and Poultry units as well as quarters to Agronomist, Farm Managers and Store Clerk in the College Farm.

In 1962, an Agricultural extension Wing was opened with the financial support of Government of India to cater to the needs of the farmers and to disseminate scientific knowledge to the farmers under the Professorship of Dr A Adivi Reddy, who later became the Principal of the college.

The year 1964 witnessed a turning point in the progress and destiny of this college consequent on its transfer from Andhra University to the control of Andhra Pradesh Agricultural University which was established under the dynamic leadership of Sri O Pulla Reddy, ICS (Retd.) as its first Vice-Chancellor. After this transfer, the college was developed in all the disciplines in different ways. Several incentives were given to teachers to improve their academic qualification both within and outside the country.

During 1960-67, J C Bose Life Sciences Block, Library building, new hostel blocks (Siddhartha and Vivekananda), Principal's quarters, Warden's quarters and Compound wall were constructed.

A Japanese team of operational scientists led by Mr Nasu stayed in Bapatla between 1965 and 1968 and established a demonstration center in the college farm. The team was also responsible for the release of rice variety 'Mashuri', which spread widely in a very short time to several parts of the State.

In 1968, '*Freedom from Hunger Campaign'* agency established a demonstration centre for rodent control at the college for a limited period and the response of the farmers to the use of different methods of rat control was encouraging since the Government gave 60% subsidy to farmers for owning storage bins for 2 tonne capacity. The Indian Grain Storage Institute established at Hapur by the Government of India with the financial help of the FAO, opened its sub-station at the College Farm in 1969 for implementing the project for 5 years.

The Extension workers in various blocks have been given demonstrations and lectures on safe storage of food grains and control of rats both in houses and fields. Also, in 1969, a Project on Adaptive Research on herbicides was started in the campus in collaboration with Ford Foundation, which has been functioning since then.

Post-graduate programmes with both course work and research components confined to Rajendranagar campus were extended in a phased manner to other two campuses, Bapatla and Tirupati. Thus, post-graduate programme was initiated at Bapatla in Genetics and Plant Breeding in 1968, in Entomology and Soil Science and Agricultural Chemistry in 1970. Subsequently the Post-graduate programmes were started in Agricultural Economics in 1976, in Plant Physiology in 1978, in Agronomy and Plant Pathology in 1982, Extension education in 1984 and in Horticulture in 1986.

Another innovation adopted by the University was *adoption of Trimester System together with Internal Assessment System and Advisory System* for improving the quality of instruction and evaluation of students' performance. The trimester system was replaced by semester system in 1972.

The Silver Jubilee of the college was celebrated in 1971 with late Sri A P Shinde, the then Minister of state for Food and Agriculture, Govt. of India as the Chief guest in the presence of late Sri Kakani Venkataratnam, Minister of Agriculture and late Sri O Pulla Reddy, Vice-chancellor and it was a milestone in the history of this college.

The *Lab-to-Land Programme* was inaugurated in 1979 to commemorate the Golden Jubilee of Indian Council of Agricultural Research and was implemented by Department of Extension Education in 4 phases between 1979 and 1987 in some villages of Guntur and Prakasam districts.

The *Rural Agricultural Work Experience Programme* (RAWEP), an innovative academic programme was designed and initiated by APAU under the Vice-Chancellorship of Sri J Raghotham Reddy in 1980-81 to enable the final year B.Sc (Ag) students to work with and live among the farmers in rural areas for one semester so that they would get firsthand experience of rural agricultural conditions and to study the ways in which their own skills and knowledge could be utilized to improve the conditions of the farmers. This popular academic programme formed a model for adoption by several other Agricultural Universities in India.

In 1982, the research units of Plant Pathology, Plant Physiology and Entomology housed in the campus were shifted to the Regional Agricultural Research Station, Lam, Guntur.

Several scientific clubs and chapters were started to further the scientific outlook of teaching and scientific staff. Dr A Appa Rao, the then Vice-Chancellor inaugurated the Plant Physiology Club in 1985. Presently Plant Physiology Club, Bapatla Chapter of Indian Society of Soil Science and Entomology Club are functioning at the campus.

An Indo-US team visited the college in August 1987 to assess the impact of Agricultural Universities on the farming community. Dr M V Reddy during his tenure as Professor and Principal (1980-83) released rice variety BPT 5204 as 'Samba Mashuri and the APSSDC alone marketed about 5700 tonnes as certified seed. APSH-11, a Sunflower hybrid variety was also released by him from this college. The variety Samba Mashuri which is popularly called as "*The rice rains not grains, but coins*".

As there were many former students occupying very high positions both within and outside the country, a need was felt to start an Alumni Association and the same was inaugurated in December 1988 by Dr N G P Rao, the then Chairman, ASRB, New Delhi to have close interaction with one another.

The Agricultural College, Bapatla is also a parent organization for Agricultural Engineering and Home Science Colleges, as both colleges started functioning in the campus. In 1983, a 4-year B.Tech (Agril. Engineering) degree programme was started in the college with an intake of 20 students, which was raised to 30 in 1985. The first batch of the Agricultural Engineering graduates of APAU came out in 1987. On 24th February 1988, our Chief Minister Padmasri N T Rama Rao laid the foundation stone for the construction of College of Agricultural Engineering building in an area of 11.3 ha

near V D O Training Centre on Bapatla – Karlapalem road. The B. Tech (Agricultural Engineering) Programme was declared as an independent College of Agricultural Engineering in 1989 and the college moved to its new premises in May 1994.

The College of Home Science was also started functioning on the premises on the premises of this college in 1983 utilising the services of teachers for offering several courses in agriculture. Subsequently, the college moved to its new premises in Bapatla – Guntur road in 1989.

In April 1988, the Andhra Agricultural Union organized a one-day seminar on 'Scientific Agriculture – Crop Productivity' under the chairmanship of the then Vice-Chancellor, Dr A Appa Rao. An Auto-tutorial Classroom, An Enzymology Laboratory and Plant Health Clinic were also inaugurated. Silver Jubilee Meeting of the APAU was inaugurated on 11 July 1988. the meeting of Board of Management was held in October 1988 in this campus. On the same day the Employment Guidance Bureau was also inaugurated by Dr D Bapi Reddy, Member, Board of Management of A P Agricultural University.

Visitations of cyclone are common features to Bapatla campus. Two of them are worth mentioning. The meeting of the Faculty Board of Agriculture was going on in the College on 19th November 1977. Unfortunately, the very day a cyclone occurred with devastating effect on the public, which caused extensive damage to buildings and crops. Over 3000 cyclone affected rural folk were accommodated in the college buildings for over one month. The second cyclone on 9th May 1990 devastated the office buildings, classrooms, examination halls, cattle sheds, girls' hostel, Dr B V Nath Auditorium, Seed and Grain storage sheds, Assembly Hall, compound walls, and internal roads of the Agricultural College and the College Farm. Former Vice-Chancellor, Dr M V Rao as the then World Bank Consultant inspected the cyclone devastated college and farm and recommended munificently for release of Rs.170.15 lakhs of renovation and reconstruction of the cyclone devastated college and the college farm.

In January 1989, the prestigious B V Nath Auditorium was also inaugurated by Dr M S Swaminathan, former Director General of International Rice Research Institute, Philippines.

Yet another milestone in the history of the college was starting of Ph.D programme in May 1993 in the departments of Plant Pathology, Plant Physiology and Entomology with an intake of 2 students in each department. Efforts are being made to extend this programme to other P G departments.

A number of new buildings like the New Nivedita Hostel, Dining Halls, Class rooms-cum Examination Halls, the College Farm office building and Bio-chemistry Department, which were constructed with the funds generously got released in time by Dr M V Rao, the then World Bank consultant were declared open by him as Vice-chancellor of A P Agricultural University in 1993.

Another landmark of this college was the inauguration of Golden Jubilee Celebrations on 11 July 1994 presided over by the Vice-chancellor, Dr M V Rao. The chief guest was Dr G L Kaul, former Horticulture Commissioner, Govt. of India and alumni of this college. Some of the nationally and internationally renowned scientists who were former students of this college gave lectures on various topics of agricultural importance. Notable among them were Dr N G P Rao, former Chairman, Agricultural Scientists' Recruitment Board, New Delhi, Dr S V S Sastry, former Director, International Institute of Tropical Agriculture, Nigeria, Dr J Venkateswarlu, former Director, Central Arid Zone Research Institute, Jodhpur, Dr B Venkateswarlu, former Director, Central Rice Research Institute, Cuttack, Dr I V Subba Rao, Director of Research, APAU and Dr M V R Prasad, Director, Directorate of Oilseeds, Hyderabad. Several former students occupying several coveted posts in different fields also participated.

Of the total 79 Agricultural students of ANGRAU, the Bapatla Agricultural College students (54) outshined their counterpart competitors all over the country in securing good ranks for admission into postgraduate programmes during the year 1999-2000. Of them, 24 got Junior Fellowships. The Agricultural College, second of its kind in South India, with an infrastructure of 12 teaching departments, 2 farm units (College Farm and Botanical Garden), Physical Education department and a Regional library, have developed strategies for enabling these teaching, research and extension units to work unitedly for achieving best results. Accordingly, in the year 1999-2000, the Agricultural College, Bapatla has been accredited by the Indian council of Agricultural Research, New Delhi in the first phase itself based on the ICAR Pre Review Team Report.

On completion of 50 years of publication of the Andhra Agricultural Journal from Agricultural College, Bapatla, the Golden Jubilee year was celebrated during the year 2004.

The Agricultural Human Resource Development Programme (AHRDP) brought about a sea-change in the infrastructure and management of all teaching departments of Agricultural college, Bapatla. By sanctioning advanced equipment and by sending teachers abroad training Information Technology (ARIS) has been completely utilized by the students. With the advent of Internet and CDROM facilities, the teaching and research has also been improved tremendously. Sixteen teachers of this college have been deputed under this project to USA, Australia, Canada, Philippines and Thailand for short term overseas training / study tour / training in management areas.

The AHRD Project of the university has provided many student amenities viz., Student Counselling and Placement Cell, College Health Centre, New hostels both for boys and girls, additional facilities for sports and games, and multi-gym.

The college upon completion of 60 years of service in the mankind, and prosperity of farming community, celebrated Diamond Jubilee Celebrations on 2nd January 2005, with the gracious presence of Hon'ble Chief Minster Dr. YS Rajasekhar Reddy.

This college is proud of some of the alumni like Dr S V S Sastry, Dr N G P Rao, Dr U Venkateswarlu, Dr G L Kaul, Dr C S S Rao, Dr G S Murthy, Late Sri N Anjaneyulu Naidu, Dr J Venkateswarlu, Late Dr B Venkateswarlu, Dr Y N Rao, Dr I V Subba Rao, Dr D V R Reddy, Dr M V R Prasad, Dr P S Reddy, Dr A P K Reddy, Dr. A. Padma Raju and several others who either occupied or occupying several important positions in prestigious institutions and in public life. Likewise, several alumni are in Indian Administrative Service, Indian Police Service, Indian Revenue Service, Indian Railway Service, Indian Forest Service etc. Thus, this college holds the promise of a bright future for Indian Agriculture and national well-being of the country.

**Location**

Bapatla is situated in Guntur district of Andhra Pradesh on the East Coast of India at an elevation of 5 m above the mean sea level and 7 km away from the Coast of the Bay of Bengal at the intersection of 15.54$^{o}$N latitude and 80.30$^{o}$E longitude. The

College is about a kilometer away from the Bapatla Railway Station on the Chennai - Vijayawada rail route.

**Climate**

The region experiences tropical humid weather. The decennial average annual rainfall is about 1031.1 mm of which 621.2 mm is received during the South – West monsoon, 319.5 mm in the North - East monsoon and 90.4 mm during the rest of the year.

The maximum day temperature goes up to 45$^{o}$C during May while the lowest night temperature drops down to 15$^{o}$C during January. The area is prone to severe cyclonic weather during May, November and December months.

**Building Complex**

The College presently comprises a Main Building, an Annexe Building, *J C Bose* Life Sciences Block, Biochemistry Block, Agronomy Building, Crop Physiology Building, Agricultural Statistics Building, Diamond Jubilee Building, Central Instrumentation Cell, Student Learning Centre, Library Building, Assistant Comptroller Building, the Transport Workshop, Health Clinic, Undergraduate Classrooms and Examination Halls, Student Activity Centre Building, Student Farm Block, Auditorium, M. B. Sheds for Indoor Shuttle, ARIS Lab, *SC, ST, OBC & Minorities Students* Coaching Cell and Agricultural Information Centre.

In addition, there are 4 hostels for UG boys (Pothana, Vemana, Siddhardha and Vivekananda) and four hostels for UG Girls (Nivedita Hostel Blocks I, II and III and Nivedita Diamond Jubilee Block), and separate PG hostels for both boys and girls. Three messes-cum-dining halls for men students and two messes-cum-dining halls for women students, one steam unit and one special mess and two reading rooms, a student pavilion for recreation purposes, two gymnasia (for boys and girls), indoor stadium, two guest houses (12 suits), Associate Dean's quarter, teaching and non-teaching staff quarters, and an Officer's Club for staff members. Each hostel is provided with a cycle stand besides three cycle stands and a car parking facility for the College needs.

**College Farm:**

The Agricultural College Farm was initially started in 1945 on a leased land at Machavaram Village, 17 Km away from Agricultural College, Bapatla for a period of five

years. It was later shifted to the present location in the year 1950 having an area of 176 ha. Cashew Research Station and Gram Sevak's Training centre were allotted 60 ha. The present total area of the farm is 116 ha. It is situated at an altitude of 5 m above mean sea level at 80º 30' E longitude and 15º 84' N latitude and 8 km away from the Bay of Bengal and 3 km away from Agricultural College campus. The soils of the college farm vary from sandy soils of coastal belt to black soils of deltas. The farm was divided into 5 blocks for administrative convenience *viz*., Wetland block, Northern block, Orchard block, Southern block and Yard block. Each block is under the control of one farm manager.

**Alumni Association:**

Dr. NGP Rao, Chairman, ASRB, inaugurated Alumni Association on 26th Dec 1988. The Alumni association has conducted various programmes with the support of Alumni in addition to various college development activities. The alumni association has taken very active part in organizing Silver Jubilee and Golden Jubilee functions.

Keeping in view of expanding the scope of activities of the Alumni Association, most importantly for fund rising for college development and various other student encouragement activities, The Alumni Agricultural Graduates Trust for College Development (AAGTCD, ID NO: IV/720/2/2014 SRO, Bapatla), the official organ of the Agricultural College, Bapatla was established and registered on the 10th day of January 2014.

The Alumni Association (AAGTCD) has established strong linkages and bonding with Alumni and Alma Mater and has been aiding for various activities for college development. In view of the advancement in the technology, to CONNECT to Alumni, the AAGTCD has launched website for keeping informed about the news about the college, and the activities of AAGTCD. The website (www.bapatlaagricos.org) was launched on College Foundation Day, i.e. 16th July 2020 coinciding with Platinum Jubille of the College.

**Executive Summary:**

The Second oldest Agricultural College, Agricultural College, Bapatla has developed young minds into most knowledgeable and dedicated civilians who are spread across world excelling in their professions. The staff and students and all those concerned have contributed immensely for the nation, and the alumni of this institution

have contributed their might in building up this institution to its present stature. During last 75 years, the College has built most sophisticated infrastructural facilities keeping abreast with the changing requirements for most effective building of capacities of students.

The college has completed 75 years in the service of mankind and move always with inspiration from cryptic and highly meaningful message given by Late, Sir S V Ramamurthi while inaugurating this college on 11 July 1945 "*Cultivate Faith with Seeds of Vision to Yield Fruits of Action*".

# PROGRAMMES IN THE COLLEGE & ACCOMPLISHMENTS

The Agricultural College, Bapatla established in 1945 and is offering the following programmes;

| S.No | Name of the Programme | Duration | System |
|---|---|---|---|
| 1 | Bachelor of Science (Honours) Agriculture | 4 years | Semester |
| 2 | Master of Science in Agriculture | 2 Years | Semester |
| 3 | Doctor of Philosophy | 3 Years | Semester |

**BACHELOR OF SCIENCE (HONOURS) AGRICULTURE: B.Sc. (Hons.) Ag.**

The Bachelor of Science (Agriculture) was started in the year 1945, and till date 71 batches of students Graduate from the College. The trimester system was replaced by semester system in 1972. The Rural Agricultural Work Experience Programme (RAWEP), an innovative academic programme was designed and initiated by APAU under the Vice-Chancellorship of Sri J Raghotham Reddy in 1980-81 to enable the final year B.Sc (Ag) students to work with and live among the farmers in rural areas for one semester so that they would get firsthand experience of rural agricultural conditions and to study the ways in which their own skills and knowledge could be utilized to improve the conditions of the farmers. This popular academic programme formed a model for adoption by several other Agricultural Universities in India.

The four-year Bachelor of Science in Agriculture i. e B. Sc (Ag) programme was modified as Bachelor of Science Honours in Agriculture i.e. B. Sc (Hons.) Agril from the year 2016.

**MASTER OF SCIENCE IN AGRICULTURE: M. Sc (Ag.)**

Post-graduate programmes were initiated at Bapatla in Genetics and Plant Breeding in 1968, and Entomology and Soil Science and Agricultural Chemistry in 1970. Subsequently the Post-graduate programmes were started in Agricultural Economics in 1976, in Plant Physiology in 1978, in Agronomy and Plant Pathology in 1982, Extension education in 1984 and in Horticulture in 1986. The Master of Science programmes in other departments were also started in other departments during the course of time.

**DOCTOR OF PHILOSOPHY: Ph.D.**

Milestone in the history of the college was starting of Ph. D programme in May 1993 in the departments of Plant Pathology, Plant Physiology and Entomology with an intake of 2 students in each department. The Ph. D programmes in other departments were also started during the course of time. Recently (2020), the academic council approved for starting Ph. D programme in Department of Statistics and Computer Applications.

**POSTGRADUATE AND PH.D. PROGRAMMES OFFERED IN VARIOUS DEPARTMENTS AND YEAR OF INCEPTION OF THE PROGRAMMES.**

| S.No | Dame of the Department | M.Sc (Ag.) | Ph.D |
|---|---|---|---|
| 1. | Agronomy | 1982 | 2006 |
| 2. | Agricultural Economics | 1976 | 2009 |
| 3. | Agriculture Extension & Communication | 1985 | 2009 |
| 4. | Entomology | 1970 | 1993 |
| 5. | Genetics & Plant Breeding | 1968 | 2009 |
| 6. | Horticulture | 1986 - 2005 | - |
| 7. | Soil Science and Agricultural Chemistry | 1970 | 2010 |
| 8. | Plant Pathology | 1982 | 1992 |
| 9. | Crop Physiology | 1978 | 2003 |
| 10. | Statistics and Computer Applications | 2010 | 2020 |

**The following goals are set for this college keeping in view the vision and mission of the University and College.**

**Long Term Goals**

1. Making Agriculture in Andhra Pradesh viable and profitable through quality education in Agricultural Sciences.
2. Developing qualified and competent human resources for the emerging new trends in Agriculture.
3. Making Agriculture sustainable in the changing global climatic scenario.
4. Ensuring efficient transfer of the latest technology to the farmers.

**Short Term Goals**

1. Providing agricultural education mainly to the rural people in the State of Andhra Pradesh in Agriculture.
2. Improving the quality and relevance of undergraduate and postgraduate education by strengthening UG and PG curricular and research programmes.
3. Creating professional development opportunities for teachers through exposure to recent advances and teaching capabilities.
4. Training human resources in core and emerging areas by introducing new courses / programmes.
5. Providing international / global exposure to students and faculty.
6. Creating entrepreneurial skills and to encourage interaction with business leaders and agribusiness trade and industry.
7. Training youth and women to acquire practical skills and enable them to serve as grass root level functionaries or entrepreneurs.

**Objectives**:

1. To create awareness and interest among the rural youth of Andhra Pradesh in Agriculture and Agricultural production.
2. To provide quality education at UG and PG level by adopting new course curriculum based on emerging trends in agriculture.
3. To impart rural work experience through RAWE programme and entrepreneurial skills through AEL programmes.
4. To create interest in the young minds towards research and development in Agriculture.
5. To equip the students to meet the changing trends in agriculture.
6. To carry out research by students based on the local agricultural problems by identifying the gaps in technology.
7. To encourage the students in taking up higher education at national and international institutes.
8. To develop ICTs for fast dissemination of information on farmer related problems.

**ACCOMPLISHMENTS:**

More than 8500 students Graduate from the college since 1945. The Master of Science in Agriculture was started in 1968, and 1852 students passed out with specialization in various subjects. The Doctor of Philosophy was initiated in 1993, and 125 research scholars completed their programs and presented with Ph. D degree in different departments.

**Dr. M. V. Reddy, Professor, Department of Genetics & Plant Breeding developed rice variety BPT-5204 and release in 1980 as "Samba Mashuri"**

**"*The rice rains not grains, but coins*".**

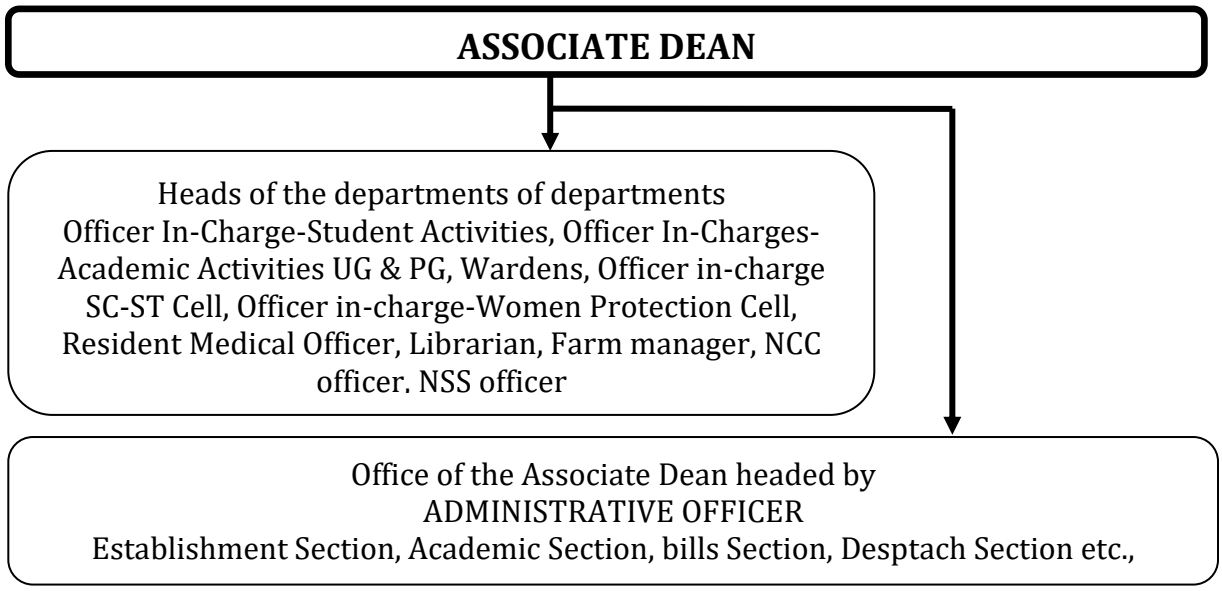
# 6.5.1
# COLLEGE ADMINISTRATION

## 6.5.1.1 COLLEGE DEANS OFFICE

The Associate Dean post of Agricultural College, Bapatla, was sanctioned by University, as per ICAR Model Act. Dr P.V. Krishnayya, Professor & University Head (Entomology) was initially posted at Agricultural College, Naira and later he was posted at Agricultural College, Bapatla in September 2019. The selection is based on the experience and credentials of the officer and will be done by the Univesity authories. The tenure for the post is two years, or date of superannuation, whichever is early, and the tenure may be extended based on the requirement and decions of the University Authority.

The Secretariat of the office of the Associate Dean is very vital in overall administrative, admission, semester registration, scholarships and routine activities of the college. The administrative setup is very robust, and the the sections are bifurcated to look after various specific activities. The Associate Dean is the Administrative Head of the entire college, and the general head for the office activities is Administrative Officer under the control of Associate Dean. The fincial issues are dealt by Budget section, and the major centre for budget management is the office of the Assistant Comptrollers office which is also under the general control of Associate Dean.

The general administrative set-up under the control of Associate Dean is as follows:



## Staff strenghth at ASSOCIATE DEAN SECRETARIAT

| S.No | Name of the staff | Sanctioned | In-place | Vacancy |
|---|---|---|---|---|
| 1 | Admn. Officer | 1 | 1 | -- |
| 2 | Superintendent | 2 | 2 | -- |
| 3 | Senior Assistant | 8 | 4+1 | 3 |
| 4 | UD Steno | 1 | 1 | -- |
| 5 | J.A.C.T | 6 | 2 | 4 |
| 6 | Record Assistant | 5 | 5 | -- |
| 7 | Office Subordinate | 3 | 3 | -- |
| 8 | A W M | 2 | 2 | -- |
| 9 | Cleaner | 1 | 1 | -- |

## 6.5.1.2 MONITORING MECHANISM FOR QUALITY EDUCATION

The College do have a well-defined structure for close monitoring of the academic activities for quality of education without any compromise. The moment students are admitted into the College, the students are thoroughly oriented about the academic activities such as registration, advisory system, semester system, examinations, calculation of grade point and overall grade point system, pass requirement, first class, second class and also opportunities for improvement, academic rules and guidelines, infrastructure in the campus (class rooms, laboratories, hostel and boarding, library, sports faculties etc in the presence of the students' parents along with opportunities for employment and career improvement.

The Associate Dean, Heads of Departments, all faculties in general participates in the event. The dos and don'ts are also well explained. The functionaries of the college are introduced. Green books containing four-year programme and course outlines are distributed to the students in the orientation programme itself. Immediately after registration of the courses by the students, a group of 10-12 students are allotted to one teacher as advisor for the entire undergraduate programme. He will act as mentor for all purposes. He regularly conducts meetings on weekly basis and discuss the progress and make suggestions if any and motivate the students for well establishing in the college. For all the purposes, he acts as a guide, friend and philosopher.

The academic programme is run according to the academic calendar planned and communicated by the university. The students register the courses and attend to the classes regularly as per the timetable set by the college administration. The teacher in charge of the course explain in detail to the students in the first class itself about the lecture outline of the course indicating the course name, number, credits (theory and practical), importance of the course, course objectives, learning outcomes, lecture outline for theory and practical, references for developing the positive attitude towards course. Copies of lecture outline are provided to the students. Further, the Head of each department, Associate Dean of the College closely monitor the conduct of the classes as per the schedule and sometimes go to the classrooms and observe the teaching and learning process and make suggestions if any.

All classrooms are provided with adequate audio-visuals for effective delivery by the teacher and also adequate and congenial furniture & congenial environment for facilitating the learning process. Every teacher at the end of the class pose the questions and once again explain if not answered by the students. The examinations are conducted as per the University guidelines and include mid semester, practical final and theory final examination. In between, guest lectures on personality development and soft skills are arranged with experts.

Similarly, the postgraduate programme (both M.Sc and Ph.D.) is also done. Here the advisory committee for each student is formed and guide the students in conducting research for identified problem. The research in the college is run through PG research. The research proposals are thoroughly discussed in the State Level Technical Programme conducted with all the researchers of concerned discipline and suggest the modifications. The PG programme at the University is monitored by the Dean of PG studies, University Head of the discipline, Associate Dean, Head of the Department and Advisory committee. Monthly review is done In all the departments with the participation of the students to know the progress of research work and the hiccups if any are solved to go forward.

About extension, the college is having village adoption programme, wherein one village is selected with a scope for development. The village also acts contact point to undertake regular diagnostic visits, conduct of training programmes, conduct of special NSS camp with the participation of all the villagers. The farmers are given regular agro-advisories on crop production, plant protection for enhancing the productivity.

The competitive spirit, research ability is improved by giving assignments, essay competitions, quizzes through co-curricular and extra-curricular activities.

The Dean of Student Affairs at the University level monitors the implementation of co-curricular and extra-curricular activities of the students in all the Colleges. The College is having a set of functionaries (as that of cabinet) for each activity support the Associate Dean in implementing these activities. Officer-in-Charge for academic activities for UG and PG, Officer-incharge for student affaris (OSA), Warden and additional wardens for hostels of girls and boys, NSS officers and placement officer are the main functionaries work for both curricular and extracurricular activities. College Day, Hostel Day and Study tours are organized every year. All categories of students are

encouraged in all the activities leading to mental and physical development of the students. Students are encouraged to participate in sports events such as inter-collegiate and inter-University competitions held all over the country. Similarly, the students are participating essay competitions, seminars, agricarnivals too.

An exclusive attention is given for securing more JRF/SRF, special coaching is arranged for the students with the experts and alumni of the college. For encouraging the Scheduled Caste and Scheduled Tribe students, a coaching centre is established.

The faculty board and the academic council are the main two apex bodies provide framework and make policy decisions for executing the academic activities at College level.

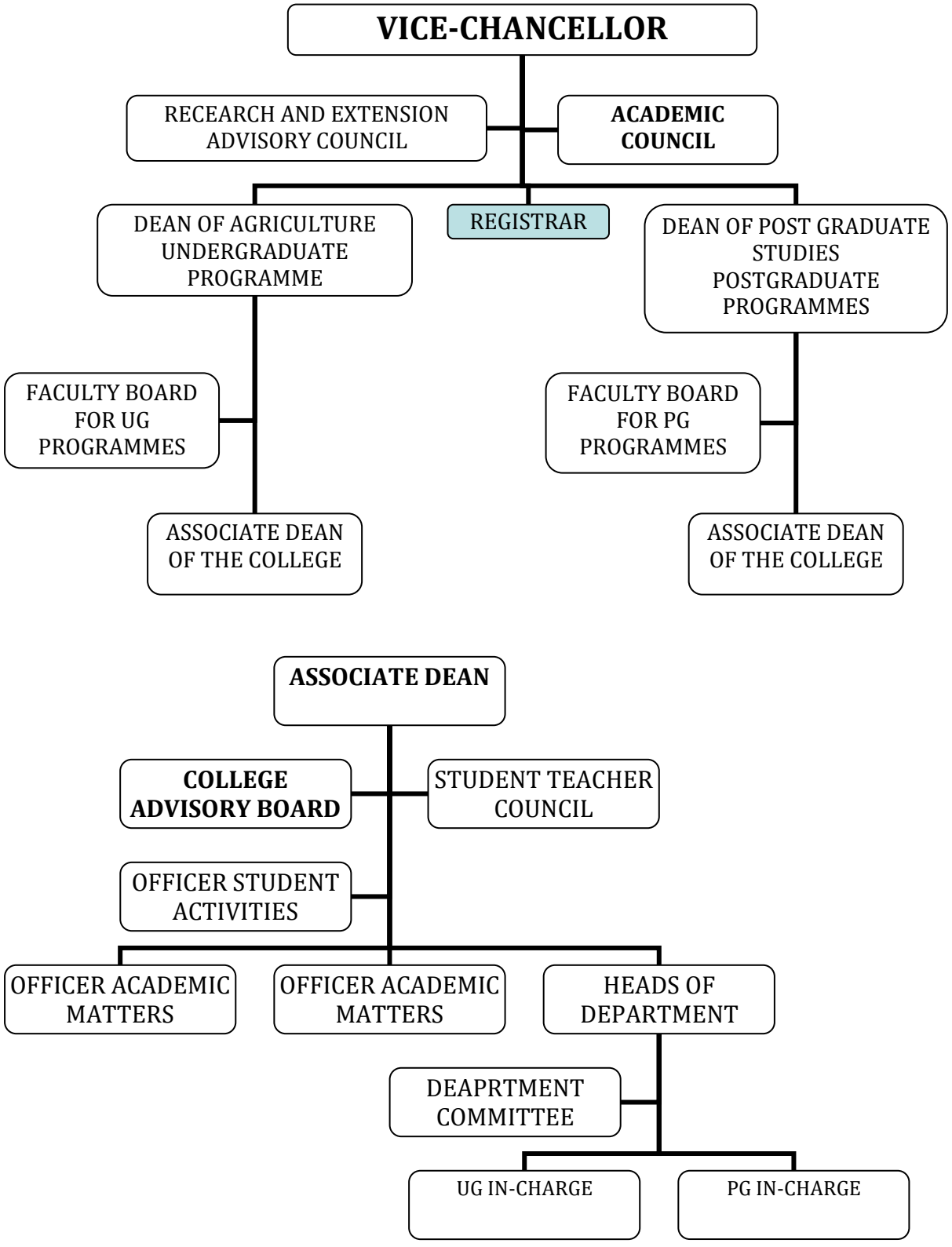
**A. Faculty Board**

The Faculty Board is headed by the Dean of Agriculture to address all issues concerned with the academic matters such as formulation of course curricula, syllabi, examinations, student evaluation procedures etc., which are referred to the Academic Council for approval. The composition of faculty board include Dean of Agriculture as Chairman, Deans of other faculties, Dean of PG studies, Dean of Student Affairs, University Librarian, Associate Deans of all colleges in the faculty, University Heads and Heads of all departments, two eminent faculty members from outside the university and invitees nominated by the Vice-Chancellor.

**B. Academic Council**

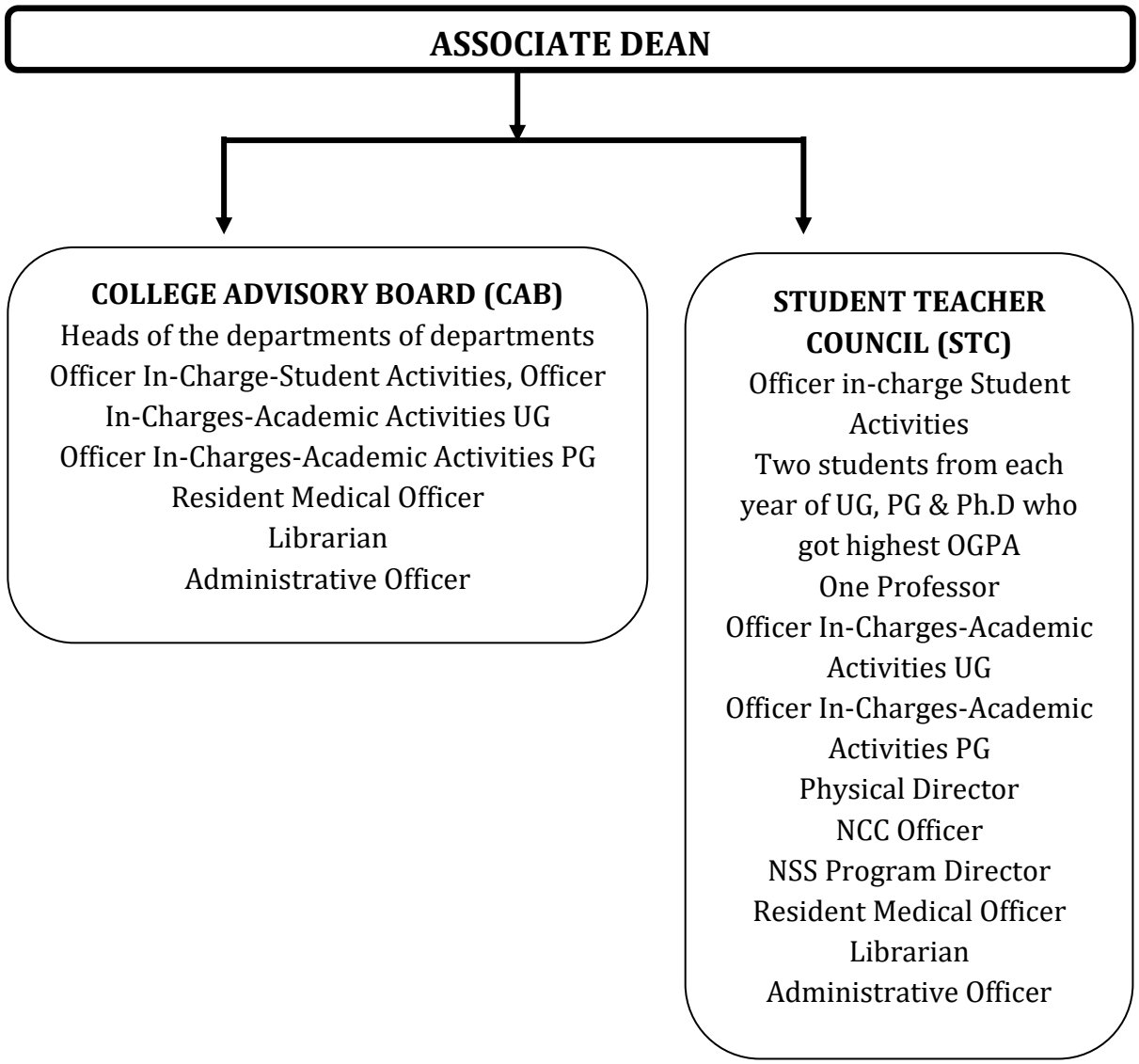
The Academic Council is the principal statutory body vested with the responsibility of Monitoring the implementation of all the academic programmes by formulating necessary policy decisions. The Council is headed by the Vice-Chancellor as the Chairperson and consists of Deans, Director of Research, Director of Extension, University Heads of Departments and Professors as Members. In addition, the Council consists of ten academicians representing different faculties nominated by the Vice-Chancellor and one representative of the Board of Management. The Council meets once in six months.

**THE PROCESS OF MONITORING MECHANISM FOR QUALITY EDUCATION IN UNIVERSITY & COLLEGE CAN BE SHOWN AS STATED BELOW:**



## 6.5.1.3 CC / BOARD OF STUDIES

The Planning process in respect of academic and non-academic activities at College level is done mainly through the following two Institutional bodies.




**College Advisory Board (CAB):**

College Advisory Board has been constituted to advise the Associate Dean on academic and administrative matters, co-curricular and extra-curricular activities and other matters relating to the development and running of the college within the theme and framework of ANGRAU rules and guidelines.

The Body was formed during the year 1970. The Associate Dean, the Heads of the Departments, the wardens, the officers-in-charge of the student activities, Academic Matters (UG and PG Advisory System), Resident Medical Officer, Librarian and Administrative Officer constitute the Board. Associate Dean of the College is the Chairman and the Administrative Officer is the Secretary. The CAB may be convened once in a month or as frequently as required.

**Student Teacher Council (STC):**

The Student Teacher Council consists of 18 student members – two (2) members from each of all the years of B.Sc. (Ag.), M.Sc. (Ag.) and Ph.D. based on their securing highest OGPA and 11 from Teaching staff represented by Associate Dean, one senior Professor, Warden, Officer-in-charge of Student Activities, Officers-in-charge of Academic Matters (UG and PG), Physical Director, NCC Officer, NSS Programme Officer, Administrative Officer and Medical Officer.

The Council acts as an effective link between the students and College Administration. The council discusses about the problems of the students and get the feed back on various co-curricular and extra-curricular activities and help in agenda setting for overall improvement in quality of education and personality development of the students. The officer-in-charge of the student activities assists the Associated Dean in conducting this council and conduct of various student activities at College. The council meets once in six months.

**Dates of Meetings conducted during 2019-20 (till date) and Major Recommendations**

| Date | Purpose / Major Recommendations |
|---|---|
| 17-01-2019 | Infrastructural facilties for New Annexe Building<br>The Major recommendations is to submit the comprehensive proposal to submit to University for inclusion of requirements for Classroom and Laboratories of various departments for the learning and hands-ob experience of students and to develop state-of-the-art Classrooms and Laboratories. |

| | |
|---|---|
| 05-02-2019 | Organization and Functioning of Central Instrumentation Cell<br>The Major recommendation is to form the technical committee for smooth functioning of various laboratory units in the cell for the benefit of students training and research. |
| 05-10-2019 | Conduct of 2nd Phase Sports, Games and Cultural Meet of Inter-Collegiate of University<br>The Major recommendation is to provide all requirements of accommodation, food, and materials, and formed core member committee. |
| 23-11-2019 | Review of Academic and Students Matters. |
| 28-11-2019 | Meeting for organization of Kisan Mela at College<br>The major decision is to involve all PG and Ph.D students for assisting in organizing the Mela. |
| 09-03-2020 | Review of Bi-monthly meeting proceedings.<br>The major decision is to conduct awareness meetings for staff and students on COVID-19 |
| 14-04-2020 | Online Meeting on Review of Academic Progress in Lockdown Situation.<br>The major decision is to start the online classes for all UG, PG and Ph.D programmes.<br>To conduct regular interativce meeting with all the students by Advisors and Staff members. |
| 10-06-2020 | Review meeting for Assessment of situation during COVID lockdown<br>The major decision is to sanitize entire campus |
| 22-07-2020 | Review meeting on RAWEP, ELP and other programmes of Final year students |
| 10-08-2020 | Meeting on Accrediation<br>The Major decision is to form Accrediation Committee and submit the relevant data as per the requirements. |

## 6.5.1.4 ANTI RAGGING CELL

**ANTIRAGGING MEASURES AT COLLEGE:** Following steps are taken at Agricultural College, Bapatla to make the campus ragging free.

- **Anti Ragging cell** – at University level.
- **Anti Ragging committee** (Cir Memo No. 859 / A3 / Ragging / 2016 dated 27.08.2016 of the Associate Dean, Agricultural College, Bapatla). The Committee consists of Associate Dean as Chairman and Officer-in-charge Student Activities, Officer-in-charge Academic matters (PG), Officer-in-charge academic matters (UG), all the wardens of boys' and girls' hostels, Officer-in-charge Placement Cell, NSS programme officers, Administrative officer of the College, Superintendent of the academic section, Bapatla revenue mandal Tahsildar, Bapatla division Deputy Superintendent of Police, representatives from print and electronic media, parents of students as members.

**The following measures are taken to present ragging in the campus, and make RAGGING-FREE CAMPUS;**

- *Anti ragging squads* are constituted to monitor Boys' and Girls' hostels from 7.00 PM to 9.00 PM starting from first day of students' entry (from the date of joining of first year B Sc (Ag) students) for a period of about 60 days). Log book is maintained in the respective hostels regarding the attendance of Anti ragging squads.
- *Monitoring committee* of Antiragging with the Associate Dean as Head and antiragging committee members of the College visit hostels every day to keep a watch on errant students if any during the first three months of B Sc (Ag) first year students.
- A *Help Desk* is opened in the Associate Dean's Office along with Complaint Box.
- *Emergency call unit* is being operated by the members of Anti ragging committee. Phone numbers of all the members of Anti ragging committee, wardens and Officer I/C Student Affairs are circulated to all the first year B Sc (Ag) students at the time of admission.

- *CCTV cameras* at vital points are installed at boys' and girls' hostels and at class rooms. .
- *Alarm bells*: All the first-year students were accommodated in separate hostels and provided with exclusive watch and ward staff to restrict visitors after Antiragging squad timings.
- *Media campaigning*: Publicity is given to antiragging through interaction of senior students and staff along with Associate Dean. Public notice issued by UGC 'curbing the menace of ragging in higher educational institutions' is displayed in all the notice boards.
- *Prominent publicity inside and outside through boards at vital points:* Toll free numbers of Anti Ragging (GOI), Slogans and laminations are displayed in the major points of the College, Hostel, Library and all the Department Notice Boards.
- *Action against errant students*: No incidence is reported and during the period 2015-16 to 2019-20.
- *Information booklets for students / parents / staff covering ragging and indiscipline issues:* All the first-year students are given the code of conduct. Rules and regulations of their stay in College and hostels are given to the students and briefed to the parents at the time of admission and orientation.
- *Prospectus covering anti ragging and undertaking from the students / parents / guardians:* Undertakings (affidavits) are obtained from individual student and parent as well.
- *First aid kit*: Available with the College Health Center and with the Hostel Offices.
- *Anti ragging Help line:* Phone numbers of Associate Dean, all the members of Anti ragging committee, wardens and Officer I/C Student Affairs are circulated to all the first year B Sc (Ag) students at the time of admission.
- *Anti ragging message:* Public notice issued by UGC 'curbing the menace of ragging in higher educational institutions' is displayed in all the notice boards.
- *Anti ragging website:* Students are educated regarding availability of grievance cell with Antiragging website.
- *AntI ragging van:* On call available with the transport Department of the College.

- *Emergency call unit:* Telephones of Warden and College are allowed to call on emergency
- *Quick response teams:* Chairman of Ant ragging Committee and OSA of the College are made available 24 hours over phone.
- *Sudden and surprise visits:* Undertaken by the Associate Dean, Members of Anti ragging committee, OSA and Wardens.
- Because of the above initiatives taken along with the staff of the College, the period 2015-16 to 2019-20 can be called Ragging free campus.
- ***The College has been ragging free for the last five years***

## 6.5.1.5 BIOLOGICAL WASTE DISPOSAL FACILITY

The Biological Wastes are not generated in the College as the college either in Undergraduate or Post Graduate practicals or the research conduct any research on any kind of animals. Similarly, no radioactive, explosive, PCB and highly hazardous wastes are generated in the college.

However, the non-hazardous chemicals wastes are being generated in various laboratories during conduct of practical exercises both in undergraduate and Post Graduate pratical classes, and during research. Most chemical wastes are generated in Soil Science and Agricultural Chemistry. As most of the routine laboratory chemical wastes are non-harzardous, such as solvents, aqueous solutions, dry powders, and unwanted old chemicals are allowed in drains.

In case of pesticide and other unused chemicals are collected separately and stored in suitable containers. Generally, the chemicals are not mixed unless they are compatible. These containers will be sent for inceneration through a agent, but it is a rare situation.

Broken glassware and glass wastes are dumped in a specified place / location and will be disposed through local auction.

## 6.5.1.6 INSTITUTIONAL ETHICS COMMITTEE FOR EXPERIMENT ON ANIMALS

Not applicable as the College does not conduct any kind of experiments / use animals for the research purpose.

## 6.5.1.7 COMMITTEE FOR PREVENTION OF SEXUAL HARRASSMENT AT WORKPLACE

As per the instructions of the ANGRAU, Agricultural College, Bapatla has constituted a WOMEN PROTECTION CELL during 2016, with the following members, and the committee was working efficiently adhering the rules of THE SEXUAL HARASSMENT OF WOMEN AT WORKPLACE (PREVENTION, PROHIBITION AND REDRESSAL) ACT, 2013, an Act to provide protection against sexual harassment of women at workplace and for the prevention and redressal of complaints of sexual harassment and for matters connected therewith or incidental thereto.

The Committe constitute the following:

- Women Professor - Chairperson
- Women Associate professor / Assistant Professor - Member
- Women officer from Administative Office

The workmen's protection cell of Agricultural College, Bapatla is conducting various interaction meetings, seminars, competitions on women rights, counselling, addressing and enquiries if any etc.. The following are some important activities conducted;

1. Interaction programme with state women council member: The cell conducted an interaction programme with smt. Srivani, Member, state women's council on 17.12.2016, in Nevedita Girls Hostel, where in about 500 girl students participated in interacted in the meeting. Rights and responsibility acts regarding women protection were discussed and the students were informed about various activities women council.
2. Competitions on women Rights was conducted on 27.11.2017, in which about 30 girl students participated in the competition conducted under the women rights, different acts of dowry, ragging, women harassment etc.,

3. Interaction programme on Ragging was conducted during September, 2019 in which Smt. Usha Rani, Lawer from Bapatla enlightened the students about the law's of Ragging, and effects of ragging, tolerance of ragging, non communication etc., advised the students to inform their wards immediately if any untouched incident happens.
4. In addition to the above activities, the women's protection all is also attending the student's problems, wherever represented through the Associate Dean, Agricultural College, Bapatla. Issued like eve teasing were attended, and counseling was done to the both boys and girls.

# 6.5.2
# FACULTY

## 6.5.2.1 FACULTY STRENGTH

### A. DIVISIONS / DEPARTMENTS

### 1. AGRONOMY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1* CAS Prof | -- | 1 |
| 2 | Associate professor | 1 | 1* CAS Prof | -- | 1 |
| 3 | Assistant Professor | 9 | 3 Asst Prof (+3* CAS Prof) | 3 | 5 |

### 2. AGRICULTURAL ECONOMICS

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 2 | Nil | 2 | 0 |
| 2 | Associate professor | 1 | Nil | 1 | 1* (Incl Stat) |
| 3 | Assistant Professor | 4 | 4 | Nil | 5* (incl Stat) |

***Department of Statistics and Computer Applications is separately presented, as the College has separate Department of Statistics and Computer Applications***

## 3. AGRICULTURAL EXTENSION

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | -- | -- |
| 2 | Associate professor | 1 | 1* CAS Assoc Prof | -- | 1 |
| 3 | Assistant Professor | 4 | 1 (+1* CAS Prof) | 2 | 2+1 |

## 4. ENTOMOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1* CAS Prof | -- | |
| 2 | Associate professor | 1 | 1* CAS Prof | -- | 1 |
| 3 | Assistant Professor | 6 | 2 (+4* CAS Prof) | -- | 2 |

## 5. GENETICS AND PLANT BREEDIG

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1* CAS Prof | -- | 1 |
| 2 | Associate professor | 1 | 1 | -- | 1 |
| 3 | Assistant Professor | 7 | 3 (+1*CAS Prof) | 2 | 3 |

## 6. HORTICULTURE

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Associate professor | 1 | -- | 1 | 1 |
| 2 | Assistant Professor | 3 | 2 (+TA) | -- | 3 |

* Teaching Associate

## 7. SOIL SCIENCE AND AGRICULTURAL CHEMISTRY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | - | |
| 2 | Associate professor | - | - | 1 | |
| 3 | Assistant Professor | 8 | 4 Asst Prof (+*2 CAS Prof) | 2 | |

## 8. PLANT PATHOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | Nil | -- |
| 2 | Associate professor | 1 | -- | 1 | 1 |
| 3 | Assistant Professor | 4 | 2 Asst Prof (+*2 CAS Assoc Prof) | Nil | 2 |

## 9. CROP PHYSIOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | - | 1 | -- |
| 2 | Associate professor | 1 | - | 1 | -- |
| 3 | Assistant Professor | 4 | 2 + (*2 CAS Prof) | - | 1 |

## 10. STATISTICS AND COMPUTER APPLICATIONS

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 0 | 1 | - | -- |
| 2 | Associate professor | 0 | 0 | - | -- |
| 3 | Assistant Professor | 4 | 3 | 1 | -- |

*As per ICAR guidelines, recommended strength of Economics includes Statistics.*

## B. SECTIONS

### 1. ANIMAL SCIENCES including Dairy Sciences & Poultry Units

The college has no special animal sciences department.

### 2. AGRICULTURE ENGINEERING + FARM MANAGEMENT

The course components of Agricultural Engineering are dealt by the Staff of Dr. NTR College of Agricultural Engineering, Bapatla There is no dedicated section for Agricultural Engineering.

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| **FACULTY** | | | | |
| 1 | Farm Superintendent -Senior Scientist(Agro) & Head | 1 | 1 | - |
| 2 | Farm Manager-Scientist/ Asst.Professor | 5 | NIL | The staff from Department of Agronomy are deputed to assist |

### 3. BIOCHEMISTRY Section

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Assistant Professor | -02- | 1 | 1 | 1 |

## DEPARTMENT-WISE TOTAL STRENGTH OF FACULTY
## ABSTRACT

| S.No | Department | Sanctioned strength | | | | In-position (*including promoted under CAS) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Professor | Associate Professor | Assistant Professor | Total | Professor | Associate Professor | Assistant Professor | Total |
| 1 | Agronomy | 1 | 1 | 9 | 11 | 5 | - | 3 | 8 |
| 2 | Agricultural Economics | 2 | 1 | 4 | 7 | -- | -- | 4 | 4 |
| 3 | Agricultural Extension | 1 | 1 | 4 | 6 | 2 | 1 | 1 | 4 |
| 4 | Entomology | 1 | 1 | 6 | 8 | 6 | -- | 2 | 8 |
| 5 | Genetics & Plant Breeding | 1 | 1 | 7 | 9 | 2 | 1 | 3 | 6 |
| 6 | Horticulture | -- | 1 | 3 | 4 | -- | -- | 2 | 2 |
| 7 | Soil Science & Agricultural Chemistry | 1 | -- | 8 | 9 | 3 | -- | 4 | 7 |
| 8 | Plant Pathology | 1 | 1 | 4 | 6 | 1 | 2 | 2 | 5 |
| 9 | Crop Physiology | 1 | 1 | 4 | 6 | 2 | -- | 2 | 4 |
| 10 | Statistics & Computer Applications | -- | -- | 4 | 4 | 1 | -- | 3 | 4 |
| 11 | Farm Management | -- | 1 | 5 | 6 | -- | 1 | -- | 1 |
| 12 | Biochemistry | -- | -- | 2 | 2 | -- | -- | 1 | 1 |
| TOTAL | | 9 | 9 | 60 | 78 | 22 | 5 | 27 | 54 |

*The data does not include Associate Dean, Library, Physical Education, Physics, Botanical Garden.*
*The data does not include sanctioned posts of the college, which are redeployed to other places in University.*

## 6.5.2.2 FACULTY PROFILE

### B. DIVISIONS / DEPARTMENTS

### 1. AGRONOMY

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Dr. M. Martin Luther | Ph.D | Professor & Head | 33 Years | Soil fertility Management & Forestry |
| 2 | Dr. B. Venkateswarlu | Ph.D | Professor | 33 Years | water management, forage crops |
| 3 | Dr. P. V. N. Prasad | Ph.D | Professor | 33 Years | Nutrient management in cropping system, Rainfed farming& Watershed management |
| 4 | Dr. K. Mosha | Ph.D | Professor | 31 Years | Intergared Nutrient Managemet & Crop production |
| 5 | Dr. K. Srinivasulu | Ph.D | Professor | | Weed Management |
| 6 | Shri. P. Venkata Rao | M.Sc | Assistant Professor | 33 Years | Crop production |
| 7 | Ms. Ch. Naga Jyothi | M.Sc | Assistant Professor | 3 years | Organic farming & IFS |
| 8 | Dr. K. Lakshman | Ph.D | Assistant Professor | 7years | Precision farming & Weed Management |

## 2. AGRICULTURAL ECONOMICS

*Department of Statistics and Computer Applications is separately presented, as the College has separate Department of Statistics and Computer Applications*

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Dr K Suseela | Ph D | Assistant Professor and Head | 16 | Agricultural Production Economics |
| 2 | Dr B Aparna | Ph D | Assistant Professor | 6 | Agricultural Marketing |
| 3 | Dr V Sitarambabu | Ph D | Assistant Professor | 3 | Agricultural Marketing |
| 4 | Dr K Uma Devi | Ph D | Assistant Professor | 6 | Agricultural Production Economics |

## 3. AGRICULTURAL EXTENSION

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Dr. B. Vijayabhinandana | M.Sc(Ag.), Ph.D | Professor | 34 | Agril. Extension/Educational Technology |
| 2 | Dr. K. Ramadevy | M.Sc(Ag.), Ph.D | Professor | 22 | Agril. Extension/Training & Development |
| 3 | Dr. M. Srinivasa Rao | M.Sc(Ag.), Ph.D | Associate professor | 13 | Agril. Extension/Theory building, Entrepreneurship |
| 4 | Dr. V. Jyothi | M.Sc(Ag.), Ph.D | Assistant Professor | 10 | Agril. Extension/Information Communication Technology |

## 4. ENTOMOLOGY

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Dr Ch. Chiranjeevi, | Ph. D | Prof & Head | 35 | IPM, vegetable and rice Entomology |
| 2 | Dr Ch. Sreenivasarao | Ph. D | Professor | 22 | Insecticide residues, Insect Physiology; Insecticide Toxicology |
| 3 | Dr T. Madhumathi | Ph. D | Professor | 22 | Storage Entomology, Ecology Insecticide Toxicology, |
| 4 | Dr G Rama Chandra Rao | Ph. D | Professor | 22 | IPM; Botanicals, Storage Entomology |
| 5 | Dr D. V Sai Ram Kumar | Ph. D | Professor | 21 | Bio Control |
| 6 | Dr C. Sandhya Rani | Ph. D | Professor | 18 | IPM in pulses, Groundnut, millets, |
| 7 | Sri R. Bala Muralidhar Naik | (Ph. D) | Asst Professor | 14 | IPM in rice and pulses, |
| 8 | Dr B. Ratna Kumari | Ph. D | Asst Prof | 07 | Insecticide Residues, Insecticide Toxicology |

## 5. GENETICS AND PLANT BREEDIG

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Dr. V. Satyanarayana Rao | Ph.D | Professor & Head | 34 | Genetics and Plant Breeding |
| 2 | Dr. T. Srinivas | Ph.D | Professor | 22 | Genetics and Plant Breeding |
| 3 | Dr. B. Vijaya lakshmi | Ph.D | Assoc. Professor | 17 | Seed science and technology |
| 4 | Mrs. M. Tushara | M.Sc. Ag, | Asst. Professor | 6 | Genetics and Plant Breeding |
| 5 | Dr. V. Roja | Ph.D | Asst. Professor | 6 | Molecular Biology and Biotechnology |
| 6 | Dr. T. Haritha | Ph.D | Asst. Professor | 3 | Genetics and Plant Breeding |

## 6. HORTICULTURE

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Smt. N. Ratna Kumari | Ph.D pursuing | Assistant Professor | 7 yrs 3 months | Horticulture (Vegetables) |
| 2 | Dr. Y. Bindiya | Ph.D | Assistant Professor | 6 yrs 5 months | Horticulture (Vegetables) |

## 7. SOIL SCIENCE AND AGRICULTURAL CHEMISTRY

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Dr.P.R.K Prasad | Ph.D | Professor & Head | 33 | Remote sensing and GIS, and management of salt affected soils |
| 2 | Dr. A.Lalitha Kumari | Ph.D | Professor | 34 years | Soil fertility and nutrient management |
| 3 | Dr. Ch. Sujani Rao | Ph.D | Professor | 20 yrs | Soil fertility and water management |
| 4 | Dr.M.Latha | Ph.D | Assistant Professor | 14 yrs | Soil Fertility, Soil Physics & Pedology |
| 5 | Smt. A.J.Suvarna Latha | M.Sc(Ag) | Assistant Professor | 13 yrs | Soil fertility and nutrient management |
| 6 | Dr.P.Mohan Rao | Ph.D | Assistant Professor | 6 yrs | Soil fertility and nutrient management |
| 7 | Dr.P.A.Visalakshi Devi | Ph.D | Assistant Professor | 2 yrs 10 months | Soil Pedology |

## 8. PLANT PATHOLOGY

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Dr. P. Anil Kumar | Ph D | Professor & Head | 23 | Biological control of plant pathogenic fungi |
| 2 | Dr. V. Prasanna Kumari | Ph D | Associate Professor | 19 | Mycology and Molecular Plant Pathology |
| 3 | Dr. V. Manoj Kumar | Ph D | Associate Professor | 13 | Virology and Molecular Plant Pathology |
| 4 | Sri Sk Abdul Salam | M Sc (Ag) | Assistant Professor | 6 | Plant Pathology, management of Fugal diseases |
| 5 | Sri N. Kiran Kumar | M Sc (Ag) | Assistant Professor | 3 | Fungal Pathology |

## 9. CROP PHYSIOLOGY

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Dr. S. RATNA KUMARI | Ph.D. (Ag) | PROFESSOR (CAS) | 35 | Crop Physiology, stress physiology |
| 2 | Dr. K. JAYALALITHA | Ph.D. (Ag) | PROFESSOR (CAS) | 22 | Crop Physiology, stress physiology, nutriophysiology |
| 3 | Dr. M. RAVI BABU | Ph.D. (Ag) | ASST. PROFESSOR | 10 | Crop Physiology, stress physiology, Plant Growth Regulators |
| 4 | Dr. G. VIJAYA KUMAR | Ph.D. (Ag) | ASST. PROFESSOR | 6 | Crop Physiology, stress physiology, Seed Physiology |

## 10. STATISTICS AND COMPUTER APPLICATIONS

*As per ICAR guidelines, recommended strength of Economics includes Statistics.*

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Dr Srinivasa Rao Vatluri | Ph.D in Stat | Professor & University Head | 21 Y 8 Mon | Stochastic Modelling and Experimental Designs |
| 2 | Dr Srinivasulu Kotta | Ph.D in Stat | Asst. Professor | 6 Y 6 M | Regression Models/ Time Series / Design of Experiments |
| 3 | Dr Govinda Rao Sepana | Ph.D in Stat | Asst. Professor | 6 Y 6 M | Stochastic Modelling |
| 4 | Dr Ramesh Dhasyam | Ph.D in Agril. Stat | Asst. Professor | 3 years | Time Series & Forecasting |

## 11. BIOCHEMISTRY Section

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert |
|---|---|---|---|---|---|
| 1 | Mrs M.Swapna | M.Sc, M.Phil | Assistant Professor | -06- | Plant Biochemistry |

## 6.5.2.3 CREDENTIALS OF FACULTY

**DEPARTMENT-WISE CREDENTIALS OF FACULTY**
**INDIVIDUAL AND DEPARTMENT**

**AGRONOMY**

| **NAME OF THE STAFF** | **DR. M. MARTIN LUTHER** | |
|---|---|---|
| Designation | Professor & Head | |
| Date of Joining in University | 21-07-1986 | |
| Highest Educational Qualification | Ph.D | |
| Experience | 33 Years(Total service) | |
| | 14 Years(Teaching) | |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 13 |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | M.Sc: 18 & Ph.D: 6 | Total : 24 |
| | Last 5 Years<br>M.Sc : 4 & Ph.D : 4 | 8 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1. | 2016 | Sunil Kumar, Martin Luther. M, Vikram Kumar and Meena R. N. 2016. thermal requirement, heat use efficiency and plant responses of gum guar [*cyamopsis tetragonoloba* (l.)] cultivars under different environment. *Journal of Agrometeorology*, 18(2): 324-325 | 6.64 |
| 2. | 2018 | Aruna Kumari H, Martin Luther M ,Chandrashekhar K, Ravindra Babu P and Ashoka Rani, Y 2018. Effect Of Sources And Levels Of Phosphorus On Growth And Yield of No-Till Sorghum In Rice- Sorghum Sequence, *International Journal Of Current Microbiology And Applied Sciences*, 7(11) : 65-76 | 5.36 |
| 3. | 2018 | Aruna Kumari H, Martin Luther and M, Chandrashekhar 2018. Phosphorus management influence on partial factor productivity and agronomic efficiency in Rice, *International journal of chemical studies*, 6(6): 319-322 | 5.31 |
| 4. | 2018 | Aruna Kumari H, Martin Luther M , Chandrashekhar K, Ravindra Babu P and Ashoka Rani, Y , 2018. Effect of Phosphorus management on growth and yield of rice. *International journal of chemical studies*, 6(5): 2980-2985 | 5.31 |
| 5. | 2018 | Gayatree Mishra, Martin Luther. M and Mishra G.C., 2018. Efficacy of new generation herbicides in combination and integrated application on weed control efficiency, production potential and economics in direct seeded rice (*Oryza Sativa. L) International journal of chemical studies*, 6(2): 1235-1238 | 5.31 |

| | | | |
|---|---|---|---|
| 6 | 2019 | P Amara Jyothi, M Martin Luther, A Upendra Rao, KL Narasimha Rao and P Ratna Prasad, 2019 Studies on root growth, yield and NPK uptake of rice as influenced by different establishment techniques and N-levels, Journal of Pharmacognosy and Phytochemistry , 8(3): 4577-4581 | 5.21 |
| 7 | 2020 | Mandakranta Chakraborty and Martin Luther. M. 2020. Rhizosphere Dynamics as Influenced by Nitrogen Levels and Plant Geometry in Groundnut (Arachis hypogeae L.). Int. J.Curr.Microbiol.App.Sci. 9(03): 2507-2513. | 5.36 |
| 8. | 2020 | Amara Jyothi. P., M. Martin Luther, A. Upendra Rao and Mounika. B. 2020. Effect of Crop Establishment Techniques and N Levels of Rice on System Productivity and Economics of Rice-Greengram System. Int.J.Curr.Microbiol.App.Sci. 9(06): xx-xx. doi: https://doi.org/10.20546/ijcmas.2020.906.xx | 5.36 |
| 9 | 2020 | D. Mounika, M. Martin Luther, K. Chandrasekhar, G. Kishore Babu and K. Jaya Lalitha 2020. Targeted yield approach and a framework of fertilizer recommendation in Rice, *Journal of Crop and Weed*, 16(1): 142-150 (2020) | 5.28 |
| 10 | 2020 | D Mounika, M Martin Luther, K Chandrasekhar, Y Ashoka Rani and G Kishore Babu. 2020. Review on response to site specific nutrient management in Rice-Blackgram Sequence, *Journal of Pharmacognosy and Phytochemistry* 8(4): 2352-2355 | 5.21 |
| 11 | 2020 | D. Mounika, M. Martin Luther , K. Chandrasekhar And G. Kishore Babu 2020. Different Integrated Targeted Yield Nutrient Prescription Management of Rice-Blackgram sequence. *The Bioscan,* 15(1): 087-090 | 5.26 |
| 12 | 2020 | Mounika, D., M. Martin Luther, K. Chandra Sekhar, G. Kishore Babu and Jaya Lalitha, K. 2020. Soil Test Based Fertilizer Prescriptions through Integrated Nutrient Management Using Targeted Yield Approach for Rice-Blackgram Sequence. Int.J.Curr.Microbiol.App.Sci. 9(04): 2103-2110. doi: https://doi.org/10.20546/ijcmas.2020.904.253 | 5.36 |
| 13 | 2020 | D Mounika, M Martin Luther, K Chandra Sekhar, G Kishore Babu and K Jaya Lalitha 2020. Residual effect of yield and yield parameters on fertilizer recommendations and organic manures imposed in kharif rice on succeeding *rabi* Blackgram, *The Pharma Innovation Journal* 9(4): 147-150 | 5.03 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1. | BAM-04-02 | B. Giri Babu | Productivity and Quality of Fingermillet *[ Eleucine coracana* ( L.) Gaerten. ] cultivars as affected by Nutrient management System |
| 2. | BAM-07-02 | P. Indira Priya Darsini | Assessment of the soybean (*Glycine max*(L.) Merrill] need for zinc and iron with and without vermi-compost |

| | | | |
|---|---|---|---|
| 3. | BAM-08-02 | Bhavani Gara | Biological mining of Soil reserve Phosphorus in low land rice (*Oryza sativa* L.) |
| 4. | BAM -09-08 | U. Triveni | Seed production of Dhaincha [ *Sesbenia aculata* (wills) Poir] as influenced by sowing time and planting density |
| 5. | BAM-10-09 | A.Sudharani | Seed production of Dhaincha [ *Sesbenia aculata* (wills) Poir] as influenced by sowing time and planting density |
| 6 | BAM/11/01 | Chandra Sekhar Pydimarri | Seed production of sunhemp (*Crotalaria juncea* L.) as influenced by sowing time |
| 7 | BAM-13-07 | Sunil Kumar | Yield and Quality of gum guar (*Cyamopsis tetragonaloba* L. Taubert) as influenced by sowing dates in Coastal Andhra Pradesh |
| 8 | BAM-14-06 | P. Vinaya Lakshmi | Weed management Options to enhance the productivity of Maize |
| 9. | BAM-15-03 | Gayatri Mishra | Weed management Options to enhance the productivity of direct seeded rice (*Oryza sativa* L.) |
| 10. | BAM-17-03 | Mandakrantha Chakraborthy | Rhizospere dynamics and crop geometry in groundnut |
| 17 | BAD-14-006 | Medida Sunil Kumar (Awarded: 2018) | Effect of different dates of sowing and irrigation on growth and yield of chickpea cultivars and evaluation of CRPGRO chickpea Model |
| 18 | BAD-14-001 | P. Amara Jyothi | Agronomic evaluation of crop establishment techniques, N-levels on Rice (Oryza sativa L.)and effects on succeeding Greengram(Vigna radiate) |
| 19 | BAD-15-001 | H. Aruna Kumari | Phosphorus Management in Rice –Sorghum sequence |
| 24 | BAD-16-3 | D. Mounika | Site specific nutrient management in Rice-Blackgram sequence |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2018 | Organizing Secretary Of Agri Carnival 2018 | ANGRAU |
| 2 | 2019 | Technical Secretary Of National Seminar On Strategic approaches for World Class Agricultural Universities | IDP-NAHEP |
| 3 | 2019 -21 | Assistant Co-Ordinator For IDP NAHEP | IDP-NAHEP |
| 4 | 2016-17 | ICAR'S JRF AIEEA-PG 2017 exam -05- Agronomy Question Paper setting | Special assignment |

| | | | |
|---|---|---|---|
| 5 | 2017-18 | ICAR'S JRF AIEEA-PG 2018 exam -05- Agronomy Question Paper setting | Special assignment |
| 6 | 2016-17 | TCS- Agriculture subject matter expert | Special assignment |
| 7 | 2016-17 | TCS- Reviewer of question paper | Special assignment |

| **NAME OF THE STAFF** | **DR. BALINENI VENKATESWARLU** | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 18th December 1985 | |
| Highest Educational Qualification | Ph. D | |
| Experience | Total:35 (Yrs) | |
| | Teaching:30 (yrs) | |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total:6 | |
| | Last 5 years: 4 | table below |
| Number of M.Sc & Ph.D students Guided | M.Sc: 25 and Ph.D: 3 | 28 |
| | Last 5 years: M.Sc: 6 and Ph.D: 3 | 9 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| **S.No** | **Year** | **Title of the publication (AAJ format)** | **NAAS rating** |
|---|---|---|---|
| 1 | 2019 | Rajyalakshmi, B., Venkateswarlu, B., Prasad, P. V.N and Prasad, P.R.K. 2019. Yield, quality and sulphur uptake of mustard genotypes as influenced by seed rates in rice fallows. *International Journal of Chemical Studies.* 7(3): 2821-2824 | 5.31 |
| 2 | 2019 | Rajyalakshmi, B., Venkateswarlu, B. and Prasad, P. V.N. 2019. Effect of seed rates and varieties on yield of rice fallow mustard and their economics. *International Journal of Current Microbiology and Applied sciences.* 8(2): 2551-2556. | 5.38 |
| 3 | 2019 | Rajyalakshmi, B., Venkateswarlu, B., Prasad, P.V.N. and Prasad, PR.K. 2020. Nutrient uptake studies of mustard as influenced by seed rates and varieties in rice fallows. *International Journal of Chemical Studies.* 8(4): 1669-1672. | 5.31 |
| 4 | 2020 | Aliveni, A., Venkateswarlu, B., Sree Rekha, M., Prasad, P.R.K and Jayalalitha, P. 2020. Influence of crop geometry and nutrient management practices on productivity of finger millet: A review. *Journal of Pharmacognosy and Phytochemistry*. 9(4): 1143-1146. | 5.21 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| S.No | Name of the student | Thesis Title |
|---|---|---|
| 1 | P.L. Lakshmi | Studies on varietal performance of Mustard at varying levels of nitrogen during *Rabi* season |
| 2 | E. Malleswari | Influence of plant density and irrigation frequencies on growth and yield of Rabi Black gram |
| 3 | G. Mutyalu | Influence of irrigation regimes and nitrogen on Finger millet |
| 4 | B. Sarada | Performance of Coriander cultivars at different dates of sowing |
| 5 | S. Vijayachandra | Effect of proceeding *Kharif* fodder crops on nitrogen requirement of succeeding Coriander |
| 6 | D. Suma Chandrika | Relative efficiency of solarization and herbicides for weed control in *Kharif* Black gram |
| 7 | D. Vikram | Nitrogen management for Rice in ill drained conditions |
| 8 | A. Srinivasa Rao | Integrated nutrient management for Rabi Groundnut |
| 9 | Ch. Suneetha | Productivity and quality of Cowpea as influenced by seed inoculation and phosphorus |
| 10 | G. Simhachalam Naidu | Productivity and quality of fodder maize as influenced by fertilizer, nitrogen, azotobacter and zinc |
| 11 | V. Rambabu | Fodder yield and quality of Maize-Cowpea mixed cropping at different nitrogen levels |
| 12 | S. Narendra Kumar | Yield, quality and cut frequency of multi cut fodder sorghum as effected by nitrogen management |
| 13 | B. Hanumantha Rao | Direct and residual effect of FYM and nitrogen levels in fodder Maize-Coriander sequence |
| 14 | T. Kiran Kumar | Baby Corn performance as vegetable cum fodder in intercropping with fodders |
| 15 | D. Ram Mohan Rao | Response of multi cut fodder sorghum to nitrogen and zinc |
| 16 | A. Tirumala Rao | Performance of Redgram cultivars under transplanted conditions |
| 17 | K. Prasanthi | Studies on fodder maize and Legume intercropping system |
| 18 | B. Rama Devi | Performance of Baby Corn as influenced by nitrogen levels and weed control practices |
| 19 | Giriraj Sharma | Performance of Baby Corn as influenced by intercrop and nitrogen management |
| 20 | M. Venkata Lakshmi | Performance of Baby Corn as influenced by plant density and levels of nitrogen |
| 21 | Sk. Tippu Sultan | Bay Corn productivity as affected by plant density and fertilizer levels |
| 22 | T. Kavya | Nitrogen management studies in sweet corn |
| 23 | B. Rajya Lakshmi | Agronomic interventions for enhancing the productivity of mustard in rice fallows |

| | | |
|---|---|---|
| 24 | Nirupam Jyothi Raju. N | Crop geometry and nipping effects on castor |
| 25 | M. Sai Krishna | Studies on Zinc fortification in baby corn |
| 26 | V. Prasada Rao | Response of aerobic Rice zero tillage- Maize intercropping system to sub surface drip fertigation |
| | T. Omkar Vinay Kumar | Fertility evaluation of soils of Tenali division, Guntur district with special reference to phosphorus |
| 27 | M. Ratnam | Performance of Maize-Chickpea sequence at different sowing windows and nutrient management practices |
| 28 | A. Aliveni | System of intensification and nutrient management in finger millet-horsegram sequence |
| 29 | E. Kiranmai | Performance of rice varieties under machine transplanting with different aged seedlings |
| 30 | H. Aruna Kumari | Growth and yield of rice-fallow sorghum as influenced by planting density and nitrogen |
| 31 | D. Sekhar | Integrated nitrogen management in rice based cropping systems of high altitude tribal region of Andhra Pradesh |
| 32 | Pedda Ghouse Peera S.K. | Influence of rice straw compost and microbial consortium on zinc availability in soil and fortification in maize |
| 33 | V. Harish | Boron availability and response of blackgram to boron in calcareous soils |
| 34 | R. Sai Kumar | Planting density and INM Interventions in sesame production |
| 35 | S. Sravanthi | Studies on defoliants in high density planting cotton-greengram sequence |
| 36 | B. Venkata Krishna | Studies on intercropping of legumes with castor |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2006 | ANGRAU meritorious teacher award | ANGRAU |
| 2 | 2017 | UGADI PURASKAR award | Govt of AP |
| 3 | 2017 | Australia award fellowship | |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments |
|---|---|---|
| 1 | 2016 | Organized kisan mela as Principal Scientist & Head ARS, Garikapadu |
| 2 | 2017 | Participated in Advancement in irrigation schemes at Australia |

| **NAME OF THE STAFF** | **DR. P.V.N. PRASAD** | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 30-09-1985 | |
| Highest Educational Qualification | Ph.D | |
| Experience | 35 Years | |
| | 05 Years (Extension)<br>14 Years (Teaching)<br>16 Years (Farm services) | |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | M.Sc: 15 & Ph.D: 04 | Total : 18 |
| | Last 5 years: M.Sc: 03 & Ph.D: 04 | Total : 07 |

## Information on List of Publications (Last 5 years; 2015 onwards)

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1. | 2018 | D Sekhar, P V N Prasad, B Venkateswarlu, P R K Prasad and Y Ashoka Rani. 2018. Influence of Integrated Nitrogen Management on Nitrogen Uptake and Soil Fertility Status in Rice-based Cropping Systems of High Altitude Region of Andhra Pradesh. *International Journal of Current Microbiology and Applied Sciences*.Vol 7(10):584-592, 2018. | 5.38 |
| 2. | 2019 | MMV Srinivasa Rao, PVN Prasad, KV Ramana Murthy, T Sreelatha and CH Mukunda Rao. 2019. Soil fertility dynamics in the groundnut-maize cropping system under integrated nutrient management. *International Journal of Chemical Studies 2019; 7(5): 710-179* | 5.31 |
| 3. | 2019 | MMV Srinivasa Rao, PVN Prasad, KV Ramana Murthy, T Sreelatha and CH Mukunda Rao. System productivity of groundnut-maize cropping system as affected by biofertilizers and crop residue incorporation. *Journal of Pharmacognosy and Phytochemistry.* 2019; 8(4): 3269-3276. | 5.21 |
| 4. | 2020 | B. Rajender Kumar, PVN. Prasad, T. Sreelatha and CH. Mukunda Rao. Review on response to crop stand establishment and nutrient management in rice based cropping system in north coastal Andra Pradesh. *Journal of Pharmacognosy and Phytochemistry.* Volume 9, issue 2. P no: 1480-1482. | 5.21 |

## Information on Guidance to PG / Ph.D students (Total Service) as Chairman

| S.No | Name of the student | Thesis Title |
|---|---|---|
| 1 | Kumari A. Seshasri | Integrated weed management in chickpea |
| 2 | Kumari J. Priyadarshini | yield and quality of rice as affected by varieties and nitrogen source |
| 3. | M.N.V.A Uma Mahesh | Improving phosphorus use efficiency |

| | | |
|---|---|---|
| 4. | Kumari P.Madhavi Latha | Productivity of maize + Greengram intercropping at different NPK levels |
| 5 | Smt. Sri Vidya | Productivity of chickpea as affected by phosphorus supply management |
| 6 | D. Sekhar | Productivity and quality of rice as influenced by nitrogen source and planting method |
| 7 | Sri A.V. Subba Rao | Nitrogen and zinc effects on productivity and quality of Rice with and without F.Y.M |
| 8 | Sri G. Meeraiah | Optimisation of sowing window for improved soybean cultivars |
| 9 | Ms. D. Nirupama | Productivity of maize +greengram intercropping at different planting density and Nitrogen levels |
| 10. | D. Ranjit | Weed management options for enhancing productivity rice fallow maize |
| 11 | E. Kiranmai | Performance of rice varieties under machine transplanting with different aged seedling |
| 1 2 | H. Aruna Kumari | Growth and yield of rice-fallow sorghum as influenced by plant density and nitrogen |
| 13 | Ch. Rama Rao | Evaluation of pre and post emergence herbicides in kharif maize |
| 18 | B. Jyothi Basu | Bioefficacy of sequential application of herbicides in direct sown rice-greengram sequence |
| 19. | D. Sekhar | Integrated nitrogen management in rice-based cropping system of high altitude tribal region of Andra Pradesh |
| 22. | M.M.V. Srinivas Rao | Integrated nutrient management in groundnut-maize cropping system |

| **NAME OF THE STAFF** | **DR. K. MOSHA** | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 15-02-1989 | |
| Highest Educational Qualification | Ph.D | |
| Experience | 31years 6 months | |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | Nill |
| Number of M.Sc & Ph.D students Guided | 8 | Total : 8 |
| | Last 5 years | |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM-08- | M. Srujana | Response of Rice (*Oryza sativa* L.) to top dressing of phosporus through complex fertilizers |

| | | | |
|---|---|---|---|
| 2 | BAM-09- | Samir Purty | Assesment of crop establishment methods and weed management practices in Direct seeded rice(*Oryza sativa* L.) |
| 3. | BAM-10- | Neelambar Godi | Effect of compost prepared from weeds on growth and yield of rice (*Oryza sativa* L.) |
| 4. | BAM-10- | Indulekh V.P | Planting density and nitrogen influence on seed yield of Jute (*Corchorus olitorius* L.) |
| 5. | BAM-11- | V, Sujatha | Yield, Quality and Nutrient uptake of rice as affected by time and application of organic sources Nitrogen |

| **NAME OF THE STAFF** | **DR. K. SRINIVASULU** | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 18-01-2002 | |
| Highest Educational Qualification | Ph.D | |
| Experience | 18Years | |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | |

**Information on Guidance to PG / Ph.D students (Lat 5 Years) as Chairman**

| **S.No** | **ID Number** | **Name of the student** | **Thesis Title** |
|---|---|---|---|
| 1. | BAM-15-5 | Lakshmi Tanmai | Evaluation of post emergence herbicides in bajra |
| 2. | BAM-16-10 | Sk. Sameer | Evaluation of post emergence herbicides in transplanted ragi |

**Information on Professional Certificates / Honors / Awards**

| **S.No** | **Year** | **Type of Recognition** | **Presented by** |
|---|---|---|---|
| 1. | 2015 | Certificate of appreiciation | District magistrate, Guntur |
| 2. | 2016 | Best oral presentation | IJTA |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | 25th APWSS at Hyderabad | APWSS &ISWS & PJTSAU |
| 2 | 2015 | National symposium on Future technologies, india in the next decade at ANU, Guntur | RARS, Lam & CRDA |
| 3 | 2016 | The biological diversity Act, Rules and Access benefit sharing machanism | RARS, Lam NBPGR |

| | | | |
|---|---|---|---|
| 4 | 2016 | 3rd International conference on Agriculture, and Horticulture held at Newdelhi | IJTA |
| 5 | 2016 | Recent Advances in weed management | NIPHM, HYDERABAD |
| 6 | 2017 | Biennial work shop on Doubling farmers income by 2022, role of weed Weed Science | ISWS & MPUAT |
| 7 | 2017 | Agronomic approaches for climate resilience in Agriculture | RARS, Nandyal & Agronomists society of ANGRAU |
| 8 | 2016 | Flood damage assessment Committee member September 2016 | ADR, RARS, Lam |
| 9 | 2016 | Enquiry committee on herbicide damage in West Godawari | ADR, RARS, Lam |
| 10 | 2018 | Golden Jubilee conference of ISWS at Jabalpur | ISWS & DWR |
| 11 | 2019 | Flood damage assessment Committee convener for Nagayalanka, Krishna District | ADR, RARS, Lam |

| **NAME OF THE STAFF** | **DR.M.SREE REKHA** | |
|---|---|---|
| Designation | Associate Professor | |
| Date of Joining in University | 16.11.2001 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Research:9 years,8 months | Farm manager:1 year,8 months |
| | Asst/Assoc.Professor: 6 years,6 months | Total service:17 years,10 months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | | |
| | Last 5 years | 11 |
| Number of M.Sc & Ph.D students Guided | M.Sc: & Ph.D: | Total : 9 M.Sc(Ag) & 1 Ph.D |
| | Last 5 years | |

## Information on List of Publications (Last 5 years; 2015 onwards)

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1. | 2017 | Mukesh Kumar Sheshama, M. Sree Rekha, Sunil Kumar and Vikram Kumar 2017. Effect of Sowing Dates and Varieties n Growth, Yield and N-Uptake of Soybean in Coastal AP, India. International Journal of Current Microbiology and Applied Sciences. Special Issue- 4: 100-107 | 5.38 |
| 2. | 2018 | Kancheti Mrunalini, M. Sree Rekha and V.R.K. Murthy 2018. Effectiveness of Harvest – Aid Defoliants and Environmental Conditions in High Density Cotton. International Journal of Current Microbiology and Applied Sciences.7(2): 2312-2316 | 5.38 |

| | | | |
|---|---|---|---|
| 3. | 2018 | Sowjanya.A and Sree Rekha.M.2018. Yield components, yield and residual fertility status of the soil after rice as influenced by integrated nitrogen management. International Journal of Current Microbiology and Applied Sciences. 7(4): 2801-2806 | 5.38 |
| 4. | 2019 | G Ravindranadh, M Sree Rekha, B Venkateswarlu and K Jayalalitha.2019. Physiological Performance and Economics of Foxtail millet (*Setaria italica* (L))varieties to different nitrogen levels. Journal of Pharmacognosy and Phytochemistry. 8(6):332-335 | 5.21 |
| 5. | 2019 | G Ravindranadh, M Sree Rekha, B Venkateswarlu and K Jayalalitha.2019. Growth and Yield of Foxtail millet (*Setaria italica* (L)) varieties to Different Nitrogen Levels. International Journal of Current Microbiology and Applied Sciences. 8(11): 698-704 | 5.38 |
| 6. | 2019 | S.Padma, M. Sree Rekha,Ch.Pulla Rao, K.JayaLalitha and P.Prasuna Rani 2019. Decomposition and soil biological quality under pulse-maize sequence. International Journal of Chemical Studies. 7(4): 2347-2350 | 5.31 |
| 7 | 2019 | G Ravindranadh, M Sree Rekha, B Venkateswarlu and K Jayalalitha.2019. Influence of Varieties and Nitrogen Levels on Weather Health indices of Foxtail millet(*Setaria italica*(L)). International Journal of Chemical Studies. 7(6): 36-41 | 5.31 |
| 8 | 2019 | Srikanth Bathula, Jayalalitha,K,Ashoka Rani Y,Sree Rekha.M and Mohammed Anwar 2019. Zinc induced osmoregulation and antioxidant defence system in mungbean (*Vigna radiate L*)under drought stress. Journal of Pharmacognosy and Phytochemistry. 8(2):1511- 1514 | 5.21 |
| 9 | 2019 | S.Padma, M. Sree Rekha, K.JayaLalitha and P.Prasuna Rani 2019. Legume crop residue management on productivity of succeeding maize-an overview. International Journal of Current Microbiology and Applied Sciences. 8(6):3136-3142 | 5.38 |
| 10 | 2019 | B.Vibhajam Sagal Kiran,V R K Murthy,M.Sree Rekha,Y.Ashoka Rani and PRK Prasad.2019. Growth, yield and nitrogen uptake of direct seeded rice varieties under variable nitrogen rates. International Journal of Chemical Studies. 7(4):198-201 | 5.31 |
| 11 | 2019 | B V S Kiran, V R K Murthy, M.Sree Rekha, K.Ashoka Rani and PRK Prasad.2019. Yield Prediction and Response of Rice-Sorghum Cropping sequence to prevailing weather and nitrogen levels. International Journal of Current Microbiology and Applied Sciences. 8(6):3154-3142 | 5.38 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairperson**

| S.No | ID Number | Student Name | Thesis Title |
|---|---|---|---|
| 1 | BAM 13-04 | Mukesh Kumar Sheshma | Soybean(Glycine max(L)Merrill) seed quality as influenced by sowing dates and varieties in coastal AP |

| | | | |
|---|---|---|---|
| 2 | BAM 13-06 | K.Revathi | Productivity of *rabi* maize (Zea mays L.) as influenced by different planting densities and nitrogen levels |
| 3 | BAM 14-03 | Aleti Sowjanya | Nitrogen management through combined use of organics and inorganics in transplanted rice(*Oryza sativa)* |
| 4 | BAM 14-05 | M.Vasavi | Performance of Bt Cotton intercropped with legumes |
| 5 | BAM 14-02 | T.Revathi | Agro-climatic indices for prediction of growth and yield of fingermillet(*Eleusine coracana* L.) |
| 6 | BAM 15-02 | GayathreeDevi .P | Weather health indices for seed production of jute(*Corchorus olitorius*) under different sowing dates |
| 7 | BAM 15-04 | K.Mrunalini | Impact of harvest-aid defoliants in cotton (*Gossypium hirsutum* L) under high density planting |
| 8 | BAM 16-01 | B.Bhargavi | Studies on growth and yield of castor hybrids at varying nitrogen levels |
| 9 | BAM 17-04 | G.Ravindranadh | Response of foxtail millet varieties to levels of nitrogen |
| 1 | BAD 16-04 | S.Padma | Crop residue and nitrogen management in pulse-maize sequence |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2016 | Participated in 21 days training on "Farming system for the future: Approaches and Applications" from 20.1.2016 to 9.2.2016 | TNAU, Coimbatore |
| 2 | 2017 | Participated and also Co-Convenor of the Editorial Committee for the National Seminar conducted on "Agronomic approaches for climate resilience in Agriculture" on 2.5.2017 at RARS, Nandyal | ANGRAU ,Lam & RARS, Nandyal |

| **NAME OF THE STAFF** | **MS. CH. NAGA JYOTHI** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 19.08.2017 | |
| Highest Educational Qualification | M.Sc (Agronomy) | |
| Experience | Total (Yrs) | |
| | Teaching (yrs) | 03 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | Nil |
| Number of M.Sc & Ph.D students Guided | Total | |
| | Last 5 years | |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2016 | Prasad J V N S, Srinivasa Rao Ch , Srinivas K, **Naga Jyothi Ch,** Venkateswarlu B, Ramachandrappa B K, Dhanapal G N, Ravi chandra K, Mishra PK. 2016 Effect of ten years of reduced tillage and recycling of organic matter on crop yields, soil organic carbon and its fractions in Alfisols of semi arid tropics of southern India. Soil & Tillage Research, 156:131–139 | 10.68 |
| 2 | 2015 | Prasad J V N S, Srinivasa Rao Ch, Ravi chandra K, **Naga Jyothi Ch,** Prasad Babu M B B, Ravindra Babu V, Raju B M K, Bapuji Rao B, Rao V U M, Venkateswarlu B, Devasree Naik and Singh V P 2015 Greenhouse gas fluxes from rainfed sorghum (*Sorghum bicolour*) and pigeon pea *(Cajanus cajan*)- Interactive effects of rainfall and temperature. Journal of Agrometeorology, 17 (1): 17-22. | 6.64 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2017 | 105 Foundation Course to newly recruited assistant professors/Scientists for 30 days | NAARM, Hyderabad |

| **NAME OF THE STAFF** | **DR. K. LAKSHMAN** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 11-09-2017 | |
| Highest Educational Qualification | Ph.D | |
| Experience | 7years 9 months | |
| | 2 years 9months | |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 3 |
| | Last 5 years | |
| Number of M.Sc & Ph.D students Guided | Nil | Nil |
| | Last 5 years | |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1. | 2017 | Lakshman, K., A.K. Vyas, B.G. Shivakumar, D.S. Rana, J. Layek and Munda, S. 2017. Direct and Residual Effect of Sulphur Fertilization on Growth, Yield and Quality of Mustard in a Soybean – Mustard Cropping System. *International Journal of Current Microbiology and Applied Sciences.* 6(5): 1500- | 5.36 |

| | | | |
|---|---|---|---|
| | | 1512. https://doi.org/10.20546/ijcmas.2017.605.163 | |
| 2. | 2017 | Partha Deb Roy, K. Lakshman, R.P. Narwal, R.S. Malik and Sushanta Saha. 2017. Green Gram (Vigna radiate L.) Productivity and Grain Quality Enrichment through Zinc Fertili zation.*International Journal of Current Microbiology and Applied Sciences* 6(6): 643-648. https://doi.org/10.20546/ijcmas.2017.606.076 | 5.36 |
| 3. | 2015 | Lakshman, K., Vyas, A.K., Shivakumar, B.G. and Rana, D.S. 2015. Effect of levels and time of sulphur application on growth, yield and quality of soybean (*Glycine max*). *Indian Journal of Agronomy.* 60 (1): 50-54 (March 2015). | 5.46 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized By. |
|---|---|---|---|
| 1 | 2015 | 25th Asia-Pacific Weed Science Society Conference | PJT State Agricultural University, Hyderabad, |
| 2 | 2015 | National Conference on "IPR in Agriculture: Needs & Future Prospects" | Bihar Agricultural University, Sabour |
| 3. | 2015 | National seminar on "Soil Health Management", | Bihar Agricultural University, Sabour |
| 4. | 2016 | National conference on "Bringing self sufficiency in pulses for eastern India" | Bihar Agricultural University, Sabour |
| | | Training Programmes | |
| 5 | 2015 | National Training Programme on "Advances in weed management" | ICAR –Directorate of weed research, Jabalpur |
| 6 | 2016 | "Crop Manager for Rice-based systems for Bihar" | International Rice Research Institute (IRRI) |
| 7 | 2016 | National level training programme on "conservation and evaluation of Jute and allied fibre crops Germplasm for enhanced application in crop improvement" | All India Network Project on jute and allied fibres, ICAR-CRIJAF, Barrackpore |
| 8 | 2018 | 6th Foundation Course for faculty of Agricultural Universities(FOCFAU) | ICAR-National Academy of Agricultural Research Management, Hyderabad |
| 9 | 2018 | ICAR sponsored winter school on ICT interventions for agricultural Development | ICAR-National Academy of Agricultural Research Management, Hyderabad |
| 10 | 2019 | Best practices in Agriculture & Allied sectors | AP HRDI& ILEG-Planning Department, GoAP |

## DEPARTMENT OF AGRONOMY:

### Information on list of publications (last 5 years; 2015 onwards)

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1. | 2016 | Sunil Kumar, Martin Luther. M, Vikram Kumar and Meena R. N. 2016. thermal requirement, heat use efficiency and plant responses of gum guar [*cyamopsis tetragonoloba* (l.)] cultivars under different environment. *Journal of Agrometeorology*, 18(2): 324-325 | 6.64 |
| 2. | 2018 | Aruna Kumari H, Martin Luther M ,Chandrashekhar K, Ravindra Babu P and Ashoka Rani, Y 2018. Effect Of Sources And Levels Of Phosphorus On Growth And Yield of No-Till Sorghum In Rice- Sorghum Sequence, *International Journal Of Current Microbiology And Applied Sciences*, 7(11) : 65-76 | 5.36 |
| 3. | 2018 | Aruna Kumari H, Martin Luther and M, Chandrashekhar 2018. Phosphorus management influence on partial factor productivity and agronomic efficiency in Rice, *International journal of chemical studies*, 6(6): 319-322 | 5.31 |
| 4. | 2018 | Aruna Kumari H, Martin Luther M , Chandrashekhar K, Ravindra Babu P and Ashoka Rani, Y , 2018. Effect of Phosphorus management on growth and yield of rice. *International journal of chemical studies*, 6(5): 2980-2985 | 5.31 |
| 5. | 2018 | Gayatree Mishra, Martin Luther. M and Mishra G.C., 2018. Efficacy of new generation herbicides in combination and integrated application on weed control efficiency, production potential and economics in direct seeded rice (*Oryza Sativa. L) International journal of chemical studies*, 6(2): 1235-1238 | 5.31 |
| 6 | 2019 | P Amara Jyothi, M Martin Luther, A Upendra Rao, KL Narasimha Rao and P Ratna Prasad, 2019 Studies on root growth, yield and NPK uptake of rice as influenced by different establishment techniques and N-levels, Journal of Pharmacognosy and Phytochemistry , 8(3): 4577-4581 | 5.21 |
| 7 | 2020 | Mandakranta Chakraborty and Martin Luther. M. 2020. Rhizosphere Dynamics as Influenced by Nitrogen Levels and Plant Geometry in Groundnut (Arachis hypogeae L.). Int. J.Curr.Microbiol.App.Sci. 9(03): 2507-2513. | 5.36 |
| 8. | 2020 | Amara Jyothi. P., M. Martin Luther, A. Upendra Rao and Mounika. B. 2020. Effect of Crop Establishment Techniques and N Levels of Rice on System Productivity and Economics of Rice- Greengram System. Int.J.Curr.Microbiol.App.Sci. 9(06): xx-xx. doi: https://doi.org/10.20546/ijcmas.2020.906.xx | 5.36 |
| 9 | 2020 | D. Mounika, M. Martin Luther, K. Chandrasekhar, G. Kishore Babu and K. Jaya Lalitha 2020. Targeted yield approach and a framework of fertilizer recommendation in Rice, *Journal of Crop and Weed*, 16(1): 142-150 (2020 | 5.28 |

| | | | |
|---|---|---|---|
| 10 | 2020 | D Mounika, M Martin Luther, K Chandrasekhar, Y Ashoka Rani and G Kishore Babu. 2020. Review on response to site specific nutrient management in Rice-Blackgram Sequence, *Journal of Pharmacognosy and Phytochemistry* 8(4): 2352-2355 | 5.21 |
| 11 | 2020 | D. Mounika, M. Martin Luther , K. Chandrasekhar And G. Kishore Babu 2020. Different Integrated Targeted Yield Nutrient Prescription Management of Rice-Blackgram sequence. *The Bioscan,* 15(1): 087-090 | 5.26 |
| 12 | 2020 | Mounika, D., M. Martin Luther, K. Chandra Sekhar, G. Kishore Babu and Jaya Lalitha, K. 2020. Soil Test Based Fertilizer Prescriptions through Integrated Nutrient Management Using Targeted Yield Approach for Rice-Blackgram Sequence. Int.J.Curr.Microbiol.App.Sci. 9(04): 2103-2110. doi: https://doi.org/10.20546/ijcmas.2020.904.253 | 5.36 |
| 13 | 2020 | D Mounika, M Martin Luther, K Chandra Sekhar, G Kishore Babu and K Jaya Lalitha 2020. Residual effect of yield and yield parameters on fertilizer recommendations and organic manures imposed in kharif rice on succeeding *rabi* Blackgram, *The Pharma Innovation Journal* 9(4): 147-150 | 5.03 |
| 14 | 2019 | Rajyalakshmi, B., Venkateswarlu, B., Prasad, P. V.N and Prasad, P.R.K. 2019. Yield, quality and sulphur uptake of mustard genotypes as influenced by seed rates in rice fallows. *International Journal of Chemical Studies.* 7(3): 2821-2824 | 5.31 |
| 15 | 2019 | Rajyalakshmi, B., Venkateswarlu, B. and Prasad, P. V.N. 2019. Effect of seed rates and varieties on yield of rice fallow mustard and their economics. *International Journal of Current Microbiology and Applied sciences.* 8(2): 2551-2556. | 5.38 |
| 16 | 2019 | Rajyalakshmi, B., Venkateswarlu, B., Prasad, P.V.N. and Prasad, PR.K. 2020. Nutrient uptake studies of mustard as influenced by seed rates and varieties in rice fallows. *International Journal of Chemical Studies.* 8(4): 1669-1672. | 5.31 |
| 17 | 2020 | Aliveni, A., Venkateswarlu, B., Sree Rekha, M., Prasad, P.R.K and Jayalalitha, P. 2020. Influence of crop geometry and nutrient management practices on productivity of finger millet: A review. *Journal of Pharmacognosy and Phytochemistry*. 9(4): 1143-1146. | 5.21 |
| 18 | 2018 | D Sekhar, P V N Prasad, B Venkateswarlu, P R K Prasad and Y Ashoka Rani. 2018. Influence of Integrated Nitrogen Management on Nitrogen Uptake and Soil Fertility Status in Rice-based Cropping Systems of High Altitude Region of Andhra Pradesh. *International Journal of Current Microbiology and Applied Sciences*.Vol 7(10):584-592, 2018. | 5.38 |

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| 19 | 2019 | MMV Srinivasa Rao, PVN Prasad, KV Ramana Murthy, T Sreelatha and CH Mukunda Rao. 2019. Soil fertility dynamics in the groundnut-maize cropping system under integrated nutrient management. *International Journal of Chemical Studies 2019; 7(5): 710-179* | 5.31 |
| 20 | 2019 | MMV Srinivasa Rao, PVN Prasad, KV Ramana Murthy, T Sreelatha and CH Mukunda Rao. System productivity of groundnut-maize cropping system as affected by biofertilizers and crop residue incorporation*. Journal of Pharmacognosy and Phytochemistry.* 2019; 8(4): 3269-3276. | 5.21 |
| 21 | 2020 | B. Rajender Kumar, PVN. Prasad, T. Sreelatha and CH. Mukunda Rao. Review on response to crop stand establishment and nutrient management in rice based cropping system in north coastal Andra Pradesh. *Journal of Pharmacognosy and Phytochemistry.* Volume 9, issue 2. P no: 1480-1482. | 5.21 |
| 22 | 2017 | Mukesh Kumar Sheshama, M. Sree Rekha, Sunil Kumar and Vikram Kumar 2017. Effect of Sowing Dates and Varieties n Growth, Yield and N-Uptake of Soybean in Coastal AP, India. International Journal of Current Microbiology and Applied Sciences. Special Issue- 4: 100-107 | 5.38 |
| 23 | 2018 | Kancheti Mrunalini, M. Sree Rekha and V.R.K. Murthy 2018. Effectiveness of Harvest – Aid Defoliants and Environmental Conditions in High Density Cotton. International Journal of Current Microbiology and Applied Sciences.7(2): 2312-2316 | 5.38 |
| 24 | 2018 | Sowjanya.A and Sree Rekha.M.2018. Yield components, yield and residual fertility status of the soil after rice as influenced by integrated nitrogen management. International Journal of Current Microbiology and Applied Sciences. 7(4): 2801-2806 | 5.38 |
| 25 | 2019 | G Ravindranadh, M Sree Rekha, B Venkateswarlu and K Jayalalitha.2019. Physiological Performance and Economics of Foxtail millet (*Setaria italica* (L))varieties to different nitrogen levels. Journal of Pharmacognosy and Phytochemistry. 8(6):332-335 | 5.21 |
| 26 | 2019 | G Ravindranadh, M Sree Rekha, B Venkateswarlu and K Jayalalitha.2019. Growth and Yield of Foxtail millet (*Setaria italica* (L)) varieties to Different Nitrogen Levels. International Journal of Current Microbiology and Applied Sciences. 8(11): 698-704 | 5.38 |
| 27 | 2019 | S.Padma, M. Sree Rekha,Ch.Pulla Rao, K.JayaLalitha and P.Prasuna Rani 2019. Decomposition and soil biological quality under pulse-maize sequence. International Journal of Chemical Studies. 7(4): 2347-2350 | 5.31 |
| 28 | 2019 | G Ravindranadh, M Sree Rekha, B Venkateswarlu and K Jayalalitha.2019. Influence of Varieties and Nitrogen Levels on Weather Health indices of Foxtail millet(*Setaria italica*(L)). International Journal of Chemical Studies. 7(6): 36-41 | 5.31 |

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| 29 | 2019 | Srikanth Bathula, Jayalalitha,K,Ashoka Rani Y,Sree Rekha.M and Mohammed Anwar 2019. Zinc induced osmoregulation and antioxidant defence system in mungbean (*Vigna radiate L*)under drought stress. Journal of Pharmacognosy and Phytochemistry. 8(2):1511- 1514 | 5.21 |
| 30 | 2019 | S.Padma, M. Sree Rekha, K.JayaLalitha and P.Prasuna Rani 2019. Legume crop residue management on productivity of succeeding maize-an overview. International Journal of Current Microbiology and Applied Sciences. 8(6):3136-3142 | 5.38 |
| 31 | 2019 | B.Vibhajam Sagal Kiran,V R K Murthy,M.Sree Rekha,Y.Ashoka Rani and PRK Prasad.2019. Growth, yield and nitrogen uptake of direct seeded rice varieties under variable nitrogen rates. International Journal of Chemical Studies. 7(4):198-201 | 5.31 |
| 32 | 2019 | B V S Kiran, V R K Murthy, M.Sree Rekha, K.Ashoka Rani and PRK Prasad.2019. Yield Prediction and Response of Rice-Sorghum Cropping sequence to prevailing weather and nitrogen levels. International Journal of Current Microbiology and Applied Sciences. 8(6):3154-3142 | 5.38 |
| 33 | 2015 | Prasad J V N S, Srinivasa Rao Ch, Ravi chandra K, Naga Jyothi Ch, Prasad Babu M B B, Ravindra Babu V, Raju B M K, Bapuji Rao B, Rao V U M, Venkateswarlu B, Devasree Naik and Singh V P 2015 Greenhouse gas fluxes from rainfed sorghum (*Sorghum bicolour*) and pigeon pea *(Cajanus cajan*)- Interactive effects of rainfall and temperature. Journal of Agrometeorology, 17 (1): 17-22. | 6.64 |
| 34 | 2016 | Prasad J V N S, Srinivasa Rao Ch , Srinivas K, Naga Jyothi Ch, Venkateswarlu B, Ramachandrappa B K, Dhanapal G N, Ravi chandra K, Mishra PK. 2016 Effect of ten years of reduced tillage and recycling of organic matter on crop yields, soil organic carbon and its fractions in Alfisols of semi arid tropics of southern India. Soil & Tillage Research, 156:131–139 | 10.68 |
| 35 | 2017 | Lakshman, K., A.K. Vyas, B.G. Shivakumar, D.S. Rana, J. Layek and Munda, S. 2017. Direct and Residual Effect of Sulphur Fertilization on Growth, Yield and Quality of Mustard in a Soybean – Mustard Cropping System. *International Journal of Current Microbiology and Applied Sciences.* 6(5): 1500-1512. https://doi.org/10.20546/ijcmas.2017.605.163 | 5.36 |
| 36 | 2017 | Partha Deb Roy, K. Lakshman, R.P. Narwal, R.S. Malik and Sushanta Saha. 2017. Green Gram Productivity and Grain Quality Enrichment through Zinc Fertilization *International Journal of Current Microbiology and Applied Sciences*6(6): 643-648. | 5.36 |
| 37 | 2015 | Lakshman, K., Vyas, A.K., Shivakumar, B.G. and Rana, D.S. 2015. Effect of levels and time of sulphur application on growth, yield and quality of soybean (*Glycine max*). *Indian Journal of Agronomy.* 60 (1): 50-54 (March 2015). | 5.46 |

**Information on awards / recognitions / certifcates (last 5 years; 2015 onwards)**

| S.No | Year | Name of the staff | Type of Recognition |
|---|---|---|---|
| 1 | 2006 | Dr. Balineni Venkateswarlu | ANGRAU meritorious teacher award |
| 2 | 2017 | Dr. Balineni Venkateswarlu | UGADI PURASKAR award |
| 3 | 2017 | Dr. Balineni Venkateswarlu | Australia award fellowship |
| 4 | 2015 | Dr. K. Srinivasulu | Certificate of appreiciation |
| 5. | 2016 | Dr. K. Srinivasulu | Best oral presentation |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments (last 5 years; 2015 onwards)**

| S. No | Year | Name of the staff | Name of the Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2018 | Dr. M. Martin Luther | Organizing Secretary of Agri Carnival 2018 | ANGRAU |
| 2 | 2019 | Dr. M. Martin Luther | Technical Secretary Of National Seminar On Strategic approaches for World Class Agricultural Universities | IDP-NAHEP |
| 3 | 2019 -21 | Dr. M. Martin Luther | Assistant Co-Ordinator for IDP NAHEP | IDP-NAHEP |
| 4 | 2016-17 | Dr.M Martin Luther | ICAR'S JRF AIEEA-PG 2017 exam -05- Agronomy Question Paper setting | Special assignment |
| 5 | 2017-18 | Dr.M Martin Luther | ICAR'S JRF AIEEA-PG 2018 exam -05- Agronomy Question Paper setting | Special assignment |
| 6 | 2016-17 | Dr.M Martin Luther | TCS- Agriculture subject matter expert | Special assignment |
| 7 | 2016-17 | Dr.M Martin Luther | TCS- Reviewer of question paper | Special assignment |
| 8 | 2016 | Dr. Balineni Venkateswarlu | Organized kisan mela as Principal Scientist & Head ARS, Garikapadu | |
| 9 | 2017 | Dr. Balineni Venkateswarlu | Participated in Advancement in irrigation schemes at Australia | |
| 10 | 2015 | Dr. K. Srinivasulu | 25th APWSS at Hyderabad | APWSS &ISWS & PJTSAU |

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|---|---|---|---|---|
| 11 | 2015 | Dr. K. Srinivasulu | National symposium on Future technologies, india in the next decade at ANU, Guntur | RARS, Lam & CRDA |
| 12 | 2016 | Dr. K. Srinivasulu | The biological diversity Act, Rules and Access benefit sharing machanism | RARS, Lam NBPGR |
| 13 | 2016 | Dr. K. Srinivasulu | 3rd International conference on Agriculture, and Horticulture held at Newdelhi | IJTA |
| 14 | 2016 | Dr. K. Srinivasulu | Recent Advances in weed management | NIPHM, HYDERABAD |
| 15 | 2017 | Dr. K. Srinivasulu | Biennial workshop on Doubling farmers income by 2022, role of weed Weed Science | ISWS & MPUAT |
| 16 | 2017 | Dr. K. Srinivasulu | Agronomic approaches for climate resilience in Agriculture | Agronomists society of ANGRAU |
| 17 | 2016 | Dr. K. Srinivasulu | Flood damage assessment Committee member September 2016 | ADR, RARS, Lam |
| 18 | 2016 | Dr. K. Srinivasulu | Enquiry committee on herbicide damage in West Godawari | ADR, RARS, Lam |
| 19 | 2018 | Dr. K. Srinivasulu | Golden Jubilee conference of ISWS at Jabalpur | ISWS & DWR |
| 20 | 2019 | Dr. K. SriDr.M.Sreenivasulu | Flood damage assessment Committee convener for Nagayalanka, Krishna District | ADR, RARS, Lam |
| 21 | 2016 | Dr M. Sree Rekha | Participated in 21 days training on “Farming system for the future: Approaches and Applications” from 20.1.2016 to 9.2.2016 | TNAU, Coimbatore |
| 22 | 2017 | M. Sree Rekha | Participated and also Co-Convenor of the Editorial Committee for the National Seminar conducted on “Agronomic approaches for climate resilience in Agriculture” on 2.5.2017 at RARS, Nandyal | ANGRAU ,Lam & RARS, Nandyal |
| 23 | 2017 | Ch. Naga Jyothi | 105 Foundation Course to newly recruited assistant professors/Scientists for 30 days | NAARM, Hyderabad |
| 24 | 2015 | Dr. K. Lakshman | 25th Asia-Pacific Weed Science Society Conference | PJTSAU |
| 25 | 2015 | Dr. K. Lakshman | National Conference on “IPR in Agriculture: Needs & Future Prospects” | Bihar Agricultural University, Sabour |
| 26 | 2015 | Dr. K. Lakshman | National seminar on “Soil Health Management”, | Bihar Agricultural University, Sabour |

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| 27 | 2016 | Dr. K. Lakshman | National conference on “Bringing self sufficiency in pulses for eastern India” | Bihar Agricultural University, Sabour |
| 28 | 2015 | Dr. K. Lakshman | National Training Programme on “Advances in weed management” | ICAR –Directorate of weed research, Jabalpur |
| 29 | 2016 | Dr. K. Lakshman | “Crop Manager for Rice-based systems for Bihar” | International Rice Research Institute (IRRI) |
| 30 | 2016 | Dr. K. Lakshman | National level training programme on “conservation and evaluation of Jute and allied fibre crops Germplasm for enhanced application in crop improvement” | All India Network Project on jute and allied fibres, ICAR-CRIJAF, Barrackpore |
| 31 | 2018 | Dr. K. Lakshman | 6th Foundation Course for faculty of Agricultural Universities(FOCFAU) | ICAR-NAARM |
| 32 | 2018 | Dr. K. Lakshman | ICAR sponsored winter school on ICT interventions for agricultural Development | ICAR-NAARM |
| 33 | 2019 | Dr. K. Lakshman | Best practices in Agriculture & Allied sectors | AP HRDI& ILEG-Planning Department, GoAP |

## AGRICULTURAL ECONOMICS

| NAME OF THE STAFF | DR K SUSEELA | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 22.01.2004 | |
| Highest Educational Qualification | Ph D Agricultural Economics | |
| Experience | Total (16 years) | |
| | Teaching (15 years 9 months) | |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 2 |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 2 |
| | Last 5 years | 2 |

### Information on List of Publications (Last 5 years; 2015 onwards)

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2018 | Suseela K and M Chandrasekaran (2018) Influence of technology adoption on yield and income of farmers in dryland agriculture of Andhra Pradesh, International Journal of Agricultural and Statistical Sciences, Vol 14, Supplement. 1 pp.169-175. | 5.13 |
| 2 | 2019 | Suseela K and M Chandrasekaran (2019) Socio – Economic factors influencing technology adoption in dryland crops of Andhra Pradesh, International Journal of Agricultural and Statistical Sciences, Vol 15, No. 1 pp.187-198. | 5.13 |
| 3 | 2020 | Gousiya Sk and K Suseela (2020) Energy Use Pattern and Energy Efficiency of Mechanised Rice Production in West Godavari District of Andhra Pradesh, International Journal of Current Microbiology and Applied Sciences, Vol 9, No.8, Accepted for publication in Aug,2020 | 5.38 |

### Information on Guidance to PG / Ph.D students (Total Service) as Chair Person

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM 17-039 | Sk Gousiya | An Economic Analysis of Farm Mechanization in Rice Cultivation in West Godavari District of Andhra Pradesh |
| 3 | BAM 18-042 | Ch. Gouthami | Employment Opportunities and Income Generation for Women Workers in Agriculture in Praksasm District of Andhra Pradesh |

## Information on Professional Certificates / Honors / Awards

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2016 | Best research paper | International Journal of Agricultural Science and Research (IJASR) |
| 2 | 2018 | World Champion 2018 Dry Land Agriculture | International Agency for Standards and Ratings (IASR) |

## Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | National Seminar on "Doubling Food Production by 2025" jointly organized by Tamil Nadu Agricultural University, Coimbatore, State Planning Commission, Chennai and Agricultural Consultancy Management Foundation, Chennai during 23rd and 24th January 2015 at Coimbatore. | TNAU, Coimbatore, |
| 2. | 2018 | 3 days workshop on Advanced Entrepreneurship skills for faculty of Experiential learning (EL) Units with the theme "Reformulating Agribusiness Strategies of Experiential Learning Units (EL) units towards attaining viability and self-sustainability held from 27.09.2018 to 29.09.2018. | S. V Agricultural College Tirupati |
| 3 | 2018 | Attended 21 days training on "Soft and Entrepreneurial skills for Development of Agricultural Sciences" held at Institute of Agribusiness Management, Swamy Keshavanand Rajasthan Agricultural University, Bikaner from 13.11.2018 to 03.12.2018 | Rajasthan Agricultural University, Bikaner |
| 6 | 2019 | 2 days National Conference of Strategic App world class National seminar of " Strategic Approaches for developing World - Class agricultural Universities 19 & 20th March, 2019 | Dr N T R College 0f Agricultural Engineering, Bapatla |
| 7 | 2019 | ANGRAU & NABARD-2 days National symposium on the Choice of farming models for Income Security: Towards Equity and Sustainability on 21st& 22nd June, 2019 | Agricultural College, Bapatla |
| 10 | 2020 | 5 day online workshop on "Modern Methodologies in Statistical Data Analysis for Effective Agricultural Research" from 13-17 July | UAS, Raichur, Karnataka |
| 13 | 2020 | National Seminar organized by Andhra Agricultural Union on Innovations in agriculture for rural development (IARD 2020) on 21st and 22nd Feb, 2020 | AAJ, Bapatla |

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| 15 | 2020 | An Economists Conclave on Making MSP a legal right for farmers on 13-08-2020 | Agri -Insight |
| 16 | 2020 | MOOCs online training Designing E-Learning Content Organized by NAARM, Hyderabad from 1st to 31st July, 2020 | NAARM, Hyderabad |

| **NAME OF THE STAFF** | **DR.B.APARNA** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 21/2/2014 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 6years |
| | Teaching (yrs) | 6years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 25 |
| | Last 5 years | 13 as chair person & 12 as member |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| **S.No** | **Year** | **Title of the publication (AAJ format)** | **NAAS rating** |
|---|---|---|---|
| 1 | 2016 | Merlin Mathew, Vani N. Aparna B. Ravindra Reddy (2016) Economic analysis of Ginger in Wayanad District of Kerala. Asian Journal of Research in Marketing vol5(5) 1-8. | 5.00 |
| 2 | 2016 | Parvathi Devi R, Bhavani Devi, Aparna B Mohan Naidu G and Prasad S V (2016) Horizontal Integration of selected sunflower markets of India An analysis International Journal of Agricultural Statistical Sciences. 12(1) 135-140. | 5.13 |
| 3 | 2017 | Merlin Mathew, Vani N. Aparna B. Ravindra Reddy (2017) Resource use and allocative efficiency in ginger production in wayanad district of kerala. Agricultural economics Research review pp 299-304 | 5.90 |
| 4 | 2019 | Ashwini, I. Byaligoudra1 , B. Aparna, N. Vani and G. Mohan Naidu. (2019) Growth and instability of major millets in Andhra Pradesh and India. International Journal of current microbiology and applied sciences 8(7) xx-xx | 5.38 |
| 5 | 2020 | N. Priyanka Evangilin, B. Ramana Murthy, G. Mohan Naidu and B. Aparna (2020) Statistical Model for Forecasting Area, Production and Productivity of Sesame Crop (Sesamum indicum L.) in Andhra Pradesh, India. International Journal of current microbiology and applied sciences . 9(7): 1156-1166. | 5.38 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 6 | TAM 2014/09 | ShaikYesdhanulla | Economics of production and marketing of tomato in Chittoor district of Andhra Pradesh" |
| 10 | TMBA 2014/08 | BoreddyVasu Deva Reddy | Market analysis of Tracsure Micronutrient in Andhra Pradesh and Telangana states |
| 11 | TMBA/ 2014/07 | K Prasanth | Central warehousing corporation its impact on farm income in Kurnool district of Andhra Pradesh |
| 13 | TMBA/ 2015/03 | Priyanka T | Consumer preference for Basmati rice in Chittoor district of Andhra Pradesh |
| 14 | TAM 2015/03 | G. Shireesha | An economic analysis of acid lime cultivation in Nellore district of Andhra Pradesh with special reference to variety Balaji |
| 15 | TAM 2016/10 | P. Vishnu Vardhan Reddy | A study on viability of tenant farming in Nellore district of Andhra Pradesh |
| 17 | TAM 2017/09 | Ashwini Byaligoudra | Supply response of millets in Andhra Pradesh |
| 18 | TAM 2017/10 | M.Mary Sharon | Crop insurance- perception , adoption and effectiveness in Anantapur district of AP |
| 21 | TMBA 2017/15 | Sreekanth Reddy | A feasible study on dairy services offered in chitoor district of Andhra Pradesh |
| 22 | TMBA 2017/ 10 | B. Madhavi Latha | Market opportunities for products processed at farmer owned tomato processing unit in chittoor district of Andhra Pradesh. |
| 23 | TAM 2018/15 | Kasireddy Vasantha | Study on production, marketing of Jowar in Kurnool district of Andhra Pradesh |
| 24 | TAM 2018/14 | P. Sruthi | An economic analysis of production and marketing of niger vis-à-vis rajma in Visakhapatnam district of Andhra Pradesh |
| 25 | TMBA 2018/01 | T. Anusha | Value chain analysis of major pulses in Kurnool district of Andhra Pradesh |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | Global seminar on understanding the contemporaneity of AchayaNagarjunas Philosophy in Global context 28-30/1/2015 | AchayaNagarjuna University Guntur |
| 2 | 2015 | Global social science conference on management of sustainable livelihood systems14-17/2/2015 | (OUAT) Bhuvaneswar |
| 3 | 2015 | Two day National seminar on Participation of women and inclusive development at MehabubnagarTelangana 21/2/2015 | Mehabubnagar Telangana |
| 4 | 2015 | ISPP South Zonal seminar emerging challenges & opportunities for sustainable agriculture 03/03/15 | S.V.Agricultural college , Tirupati |
| 5 | 2015 | Capacity building programme on youth employability skills 06/3/15 to 10/3/15 | RGNIYD |
| 6 | 2015 | Foundation course for faculty of Agricultural Universities 1/5/15 to 30/5/15 | NAARM ICAR |
| 7 | 2016 | NSS orientation programme 28/03/16 to 3/4/16 | Andhra University Visakhapatnam |
| 8 | 2017 | Impact Assessment of Agricultural Technology 14/12/16 to4/1/ 2017 | IARI |
| 9 | 2017 | 3 days AP Ag Tech Summit , 2017 on Small farmers, Smart Farming from 15th to 17th November, 2017 at Vishakapatnam | State Government of Andhra Pradesh, |
| 10 | 2018 | National dialogue on smart farming for sustainability of small holders 24-25/3/2018 | Agricultural College, Bapatla |
| 11 | 2019 | Challenges and opportunities in statistics and informatics for futuristic humanosphere especially in agriculture29-31/1/2019 | Department of Statics and computer applications. SV Agricultural college Tirupati |
| 12 | 2020 | MOOC'S online course on Psychology of learning1-15/5/2020 | NAARM Hyderabad |
| 13 | 2020 | eNAM challenges and prospects 10/6/2020 | Centre for agricultural Marketing intelligence, AAU |
| 21 | 2020 | MOOCs online training Designing E-Learning Content Organized by NAARM, Hyderabad from 1st to 31st July, 2020 | NAARM, Hyderabad |

| Name of the Staff | Dr. SITARAMBABU VISSAMPALLI | |
|---|---|---|
| Designation | M. Sc. (Ag), Ph. D | |
| Date of Joining in University | 22.08.2017 | |
| Highest Educational Qualification | Ph. D | |
| Experience | Total (Yrs) | 2 Years 11 months |
| | Teaching (yrs) | 2 Years 11 months |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2017 | 3 days AP Ag Tech Summit , 2017 on Small farmers, Smart Farming from 15th to 17th November, 2017 at Vishakapatnam | State Government of Andhra Pradesh, |
| 2. | 2018 | 21 days training programme on "Quantitative Methods for Agricultural Policy Analysis" IARI, New Delhi from 23rd January to 12th February, 2018. | Division of Agricultural Economics, IARI, New Delhi |
| 3. | 2018 | 30 days Foundation Course for Faculty of Agricultural Universities from March 12th – April 10th 2018 at NAARM | ICAR-NAARM Hyderabad |
| 4. | 2018 | 3 days workshop on Advanced Entrepreneurship skills for faculty of Experiential learning (EL)Units from 27.09.2018 to 29.09.2018. | S. V Agricultural College Tirupati |
| 5 | 2018 | Attended 2 day National dialogue on smart farming for sustainability of small holders from 24th to 25th March 2018 | Agricultural College, Bapatla |
| 6. | 2019 | 2 days National workshop on Best practices in Agriculture & Allied Sectors 7th& 8th March, 2019at HRD | APHRDI & ILEG – Planning Department |
| 7 | 2019 | Attended training class on CeRA on 22-10-2019 at Agricultural College Library, Bapatla | Agricultural College Library, Bapatla |
| 8. | 2019 | 2 days National Conference of Strategic App world class National seminar of " Strategic Approaches for developing World - Class agricultural Universities 19 & 20th March, 2019 | Dr N T R College 0f Agricultural Engineering, Bapatla |
| 9. | 2019 | ANGRAU &NABARD-2 days National symposium on the Choice of farming models for Income Security: Towards Equity and Sustainability on 21st& 22nd June, 2019 | Agricultural College, Bapatla |
| 10. | 2020 | Two days workshop on Data analytics in R using STATCRAFT on 8th& 9th February, 2020 | The Dept of Statistics & Computer Applications, Agril. College, Bapatla |
| 13. | 2020 | Participated in the Two days Webinar on | NAHEP-CAAST Center |

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|---|---|---|---|
| | | "Agricultural Market Reforms ans Market Intelligence" on 7th and 8th, 2020 | for Agricultural Market Intelligence Anand Agricultural University, Anand |
| 14. | 2020 | Participated in the Two days Webinar on "Farmer Producer Organization and Commodity Market" on 27th and 28th July, 2020. | NAHEP-CAAST Center for Agricultural Market Intelligence Anand Agricultural University, Anand |
| 18 | 2020 | MOOCs online training Designing E-Learning Content Organized by NAARM, Hyderabad from 1st to 31st July, 2020 | NAARM, Hyderabad |

## DEPARTMENT OF AGRICULTURAL ECONOMICS

**Information on list of publications (last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2018 | Suseela K and M Chandrasekaran (2018) Influence of technology adoption on yield and income of farmers in dryland agriculture of Andhra Pradesh, International Journal of Agricultural and Statistical Sciences, Vol 14, Supplement. 1 pp.169-175. | 5.13 |
| 2 | 2019 | Suseela K and M Chandrasekaran (2019) Socio – Economic factors influencing technology adoption in dryland crops of Andhra Pradesh, International Journal of Agricultural and Statistical Sciences, Vol 15, No. 1 pp.187-198. | 5.13 |
| 3 | 2020 | Gousiya Sk and K Suseela (2020) Energy Use Pattern and Energy Efficiency of Mechanised Rice Production in West Godavari District of Andhra Pradesh | 5.38 |
| 4 | 2016 | Merlin Mathew, Vani N. Aparna B. Ravindra Reddy (2016) Economic analysis of Ginger in Wayanad District of Kerala. Asian Journal of Research in Marketing vol5(5) 1-8. | 5.00 |
| 5 | 2016 | Parvathi Devi R, Bhavani Devi, Aparna B Mohan Naidu G and Prasad S V (2016) Horizontal Integration of selected sunflower markets of India An analysis International Journal of Agricultural Statistical Sciences. 12(1) 135-140. | 5.13 |
| 6 | 2017 | Merlin Mathew, Vani N. Aparna B. Ravindra Reddy (2017) Resource use and allocative efficiency in ginger production in wayanad district of kerala. Agricultural economics Research review pp 299-304 | 5.90 |
| 7 | 2019 | Ashwini, I. Byaligoudra1 , B. Aparna, N. Vani and G. Mohan Naidu. (2019) Growth and instability of major millets in Andhra Pradesh and India. International Journal of current microbiology and applied sciences 8(7) 20-24 | 5.38 |
| 8 | 2020 | N. Priyanka Evangilin, B. Ramana Murthy, G. Mohan Naidu and B. Aparna (2020) Statistical Model for Forecasting Area, Production and Productivity of Sesame Crop (Sesamum indicum L.) in Andhra Pradesh, India. International Journal of current microbiology and applied sciences . 9(7): 1156-1166 | 5.38 |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments (last 5 years; 2015 onwards)**

| S. No | Year | Name of the staff | Name of the Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2015 | Dr.K. Suseela | National Seminar on "Doubling Food Production by 2025" jointly organized by Tamil Nadu Agricultural University, Coimbatore, State Planning Commission, Chennai and Agricultural Consultancy Management Foundation, Chennai during 23rd and 24th January 2015 at Coimbatore. | TNAU, Coimbatore, State Planning Commission, Chennai and Agricultural Consultancy Management Foundation, Chennai. |
| 2 | 2018 | Dr.K. Suseela | 3 days workshop on Advanced Entrepreneurship skills for faculty of Experiential learning (EL) Units with the theme "Reformulating Agribusiness Strategies of Experiential Learning Units (EL) units towards attaining viability and self-sustainability held from 27.09.2018 to 29.09.2018. | S. V Agricultural College Tirupati |
| 3 | 2018 | Dr.K. Suseela | Attended 21 days training on "Soft and Entrepreneurial skills for Development of Agricultural Sciences" held at Institute of Agribusiness Management, Swamy Keshavanand Rajasthan Agricultural University, Bikaner from 13.11.2018 to 03.12.2018 | Institute of Agribusiness Management, Swamy Keshavanand Rajasthan Agricultural University, Bikaner |
| 4 | 2018 | Dr.K. Suseela | Attended 2 day National dialogue on smart farming for sustainability of small holders from 24th to 25th March 2018 | Agricultural College, Bapatla |
| 5 | 2019 | Dr.K. Suseela | 2 days National workshop on Best practices in Agriculture & Allied Sectors 7th& 8th March, 2019at HRD | APHRDI & ILEG – Planning Department (Govt. of Andhra Pradesh) Bapatla |
| 6 | 2019 | Dr.K. Suseela | 2 days National Conference of Strategic App world class National seminar of " Strategic Approaches for developing World - Class agricultural Universities 19 & 20th March, 2019 | Dr N T R College 0f Agricultural Engineering, Bapatla |
| 7 | 2019 | Dr.K. Suseela | ANGRAU & NABARD- days National symposium on the Choice of farming models for Income Security: Towards Equity and | Agricultural College, Bapatla |

| | | | | |
|---|---|---|---|---|
| | | | Sustainability on 21st& 22nd June, 2019 | |
| 8 | 2019 | Dr.K. Suseela | Attended training class on CeRA on 22-10-2019 at Agricultural College Library, Bapatla | Agricultural College Library, Bapatla |
| 13 | 2020 | Dr.K. Suseela | National Seminar organized by Andhra Agricultural Union on Innovations in agriculture for rural development (IARD 2020) on 21st and 22nd Feb, 2020 | AAJ, Bapatla |
| 14 | 2020 | Dr.K. Suseela | Participated in Importance of Social Safeguards for Agricultural Universities | ANGRAU, Lam online webinar |
| 15 | 2020 | Dr.K. Suseela | An Economists Conclave on Making MSP a legal right for farmers on 13-08-2020 | Agri -Insight |
| 16 | 2020 | Dr.K. Suseela | MOOCs online training Designing E-Learning Content Organized by NAARM, Hyderabad from 1st to 31st July, 2020 | NAARM, Hyderabad |
| 21 | 2015 | Dr. B. Aparna | Global seminar on understanding the contemporaneity of AchayaNagarjunas Philosophy in Global context 28-30/1/2015 | AchayaNagarjuna University Guntur |
| 22 | 2015 | Dr. B. Aparna | Global social science conference on management of sustainable livelihood systems14-17/2/2015 | (OUAT) Bhuvaneswar |
| 23 | 2015 | Dr. B. Aparna | Two day National seminar on Participation of women and inclusive development at MehabubnagarTelangana, 21/2/2015 | Mehabubnagar Telangana |
| 24 | 2015 | Dr. B. Aparna | ISPP South Zonal seminar emerging challenges & opportunities for sustainable agriculture 03/03/15 | S.V.Agricultural college , Tirupati |
| 25 | 2015 | Dr. B. Aparna | Capacity building programme on youth employability skills 06/3/15 to 10/3/15 | RGNIYD |
| 26 | 2015 | Dr. B. Aparna | Foundation course for faculty of Agricultural Universities 1/5/15 to 30/5/15 | NAARM<br>ICAR |
| 27 | 2016 | Dr. B. Aparna | NSS orientation programme<br>28/03/16 to 3/4/16 | Andhra University Visakhapatnam |
| 28 | 2017 | Dr. B. Aparna | Impact Assessment of Agricultural Technology 14/12/16 to4/1/ 2017 | Department of Agricultural Economics IARI |

| | | | | |
|---|---|---|---|---|
| 29 | 2017 | Dr. B. Aparna | 3 days AP Ag Tech Summit , 2017 on Small farmers, Smart Farming from 15th to 17th November, 2017 at Vishakapatnam | State Government of Andhra Pradesh, |
| 30 | 2018 | Dr. B. Aparna | National dialogue on smart farming for sustainability of small holders 24-25/3/2018 | Agricultural College, Bapatla |
| 31 | 2019 | Dr. B. Aparna | Challenges and opportunities in statistics and informatics for futuristic humanosphere especially in agriculture29-31/1/2019 | Department of Statics and computer applications. SV Agricultural college Tirupati |
| 32 | 2020 | Dr. B. Aparna | MOOC'S online course on Psychology of learning1-15/5/2020 | NAARM Hyderabad |
| 33 | 2020 | Dr. B. Aparna | eNAM challenges and prospects 10/6/2020 | Centre for agricultural Marketing intelligence, Anand Agricultural University |
| 34 | 2020 | Dr. B. Aparna | Fishery business ecosystem in India 22-23/6/2020 | Centre for agricultural Marketing intelligence, Anand Agricultural University |
| 35 | 2020 | Dr. B. Aparna | Agricultural market reforms and market intelligence 7-8/7/2020 | Centre for agricultural Marketing intelligence, Anand Agricultural University |
| 41 | 2020 | Dr. B. Aparna | MOOCs online training Designing E-Learning Content Organized by NAARM, Hyderabad from 1st to 31st July, 2020 | NAARM, Hyderabad |
| 42 | 2017 | Dr V Sitarambabu | 3 days AP Ag Tech Summit , 2017 on Small farmers, Smart Farming from 15th to 17th November, 2017 at Vishakapatnam | State Government of Andhra Pradesh, |
| 43 | 2018 | Dr V Sitarambabu | 21 days training programme on "Quantitative Methods for Agricultural Policy Analysis" IARI, New Delhi from 23rd January to 12th February, 2018. | Division of Agricultural Economics, IARI, New Delhi |
| 44 | 2018 | Dr V Sitarambabu | 30 days Foundation Course for Faculty of Agricultural Universities from March 12th – April 10th 2018 at NAARM | ICAR-NAARM Hyderabad |
| 45 | 2018 | Dr V Sitarambabu | 3 days workshop on Advanced Entrepreneurship skills for faculty of Experiential learning (EL)Units from 27.09.2018 to 29.09.2018. | S. V Agricultural College Tirupati |
| 46 | 2018 | Dr V | Attended 2 day National dialogue on smart farming for | Agricultural College, Bapatla |

| | | | | |
|---|---|---|---|---|
| | | Sitarambabu | sustainability of small holders from 24th to 25th March 2018 | |
| 47 | 2019 | Dr V Sitarambabu | 2 days National workshop on Best practices in Agriculture & Allied Sectors 7th& 8th March, 2019at HRD | APHRDI & ILEG – Planning Department (Govt. of Andhra Pradesh) Bapatla |
| 48 | 2019 | Dr V Sitarambabu | Attended training class on CeRA on 22-10-2019 at Agricultural College Library, Bapatla | Agricultural College Library, Bapatla |
| 49 | 2019 | Dr V Sitarambabu | 2 days National Conference of Strategic App world class National seminar of " Strategic Approaches for developing World - Class agricultural Universities 19 & 20th March, 2019 | Dr N T R College 0f Agricultural Engineering, Bapatla |
| 50 | 2019 | Dr V Sitarambabu | ANGRAU &NABARD-2 days National symposium on the Choice of farming models for Income Security: Towards Equity and Sustainability on 21st& 22nd June, 2019 | Agricultural College, Bapatla |
| 51 | 2020 | Dr V Sitarambabu | Two days workshop on Data analytics in R using STATCRAFT on 8th& 9th February, 2020 | The Dept of Statistics & Computer Applications, Agril. College, Bapatla |
| 57 | 2020 | Dr V Sitarambabu | National Seminar organized by Andhra Agricultural Union on Innovations in agriculture for rural development (IARD 2020) on 21st and 22nd Feb, 2020 | AAJ, Bapatla |
| 59 | 2020 | Dr V Sitarambabu | MOOCs online training Designing E-Learning Content Organized by NAARM, Hyderabad from 1st to 31st July, 2020 | NAARM, Hyderabad |

## DEPARTMENT OF AGRICULTURAL EXTENSION

| NAME OF THE STAFF | DR. B. VIJAYABHINANDANA | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 28.7.1986 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 34 |
| | Teaching (yrs) | 13 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | - |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 17 |
| | Last 5 years | 3 |

### Information on Guidance to PG / Ph.D students (Total Service) as Chairman

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAD-09-13 | T. Prasantha Kumar | Organizational effectives and job performance of research and extension scientists working in ANGRAU |

| NAME OF THE STAFF | DR. M. RAMA DEVY | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 19 . 6.1998 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 22 |
| | Teaching (yrs) | 2 |

### Information on Guidance to PG / Ph.D students (Total Service) as Chair Person

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1. | BAM-18-53 | M. Shanmukh Raju | A study on effectiveness of E-NAM in Duggirala market of Andhra Pradesh |

### Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2019 | National symposium on The choice of farming models for income security towards equity and sustainability | NABARD Chair Unit-ANGRAU |

| NAME OF THE STAFF | DR.M.SRINIVASA RAO | |
|---|---|---|
| Designation | Associate Professor | |
| Date of Joining in University | 27-09-2006 | |
| Highest Educational Qualification | M.Sc (Ag),Ph.D Ag.Extension | |
| Experience | Total (Yrs) | 14 |
| | Teaching (yrs) | 6 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 2 |
| | Last 5 years | 2 |
| Number of M.Sc & Ph.D students Guided | Total | 3 |
| | Last 5 years | 3 |
| Significant Achievement : Published 2 books<br>1. De Dipak &Rao, M.S (2000).Techniques of theory building.Gang kaveri Publishing house,D.35/77,Jangamwadimath,Varanasi-221001.India.ISBN81-85694-31-1<br>2. De Dipak & Rao,M.S(2001). Entrepreneurial behaviour of farmers:An axiomatic theory.GangaKaveriPublishinghouse ,D.35/77, Jangamwadimath,Varanasi221001. India.ISBN81-85694-36-2. | | |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2020 | Uday Bhaskar,M.**Rao,M.S** and Satya gopal, P.V (2020) A study on association of profile characteristics with entrepreneurial behavior of commercial floriculture nursery owners in Kadium. Curreny Journal of Applied Science and Technology.39(11): 66-75. 2020.ISSN: 2457-1024.. | 5.37 |
| 2020 | Uday Bhaskar,M.**Rao,M.S** and Satya gopal, P.V (2020) Entrepreneurial behavior of commercial floriculture nursery owners in Kadium of Andhra Pradesh. Indian Journal of Extension Education Vol55(4): 1-6.Oct-Dec-2019. | 5.38 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| ID Number | Name of the student | Thesis Title |
|---|---|---|
| BAM/16-63 | Anantha Vihari ,M | A study on perception of rural youth towards agriculture as an occupation in Srikakulam district |
| BAM/17-51 | Uday Bhaskar,M | Entrepreneurial behaviour of commercial floriculture nursery owners in Kadiyam of Andhra Pradesh |
| BAM/18-51 | Raveena,S | Role of tribal women in farm and home management-A critical analysis |

**Information on Professional Certificates / Honors / Awards**

| Year | Type of Recognition | Presented by |
|---|---|---|
| 2017 | Outstanding extension worker award | Contribution in field of Agriculture extension on the occasion of National conference on doubling farmer's income for sustainable and harmonious agriculture – DISHA 2017(9-10 september,2017) |
| 2017 | Best oral presentation award | National conference on doubling farmer's income for sustainable and harmonious agriculture –DISHA 2017(9-10 september,2017) |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2016 | ICT mediated agricultural extension ( 21 days) | Centre of advanced faculty training of ICAR at Division of Agricultural extension, IARI, New Delhi. |
| 2016 | State level training to the master trainers on organic farming/natural farming (5days) | ATMA |
| 2017 | National Conference on Adaptation interventions for climate resilient agriculture in costal agro ecosystem | ANGRAU &NABARD |
| 2018 | National Conference for Post Graduate Students(NCPGS-2018) Techno –Strategic Interventions for Profitable Agriculture | PG students of Agril. College,Bapatla |
| 2020 | National seminar on Innovations in Agriculture for rural development (IARD-2020) | Andhra Agricultural Union, Ag .College, Bapatla |

| **NAME OF THE STAFF** | **DR. V. JYOTHI** | |
|---|---|---|
| Designation | Assistant professor (Agril. Extn.) | |
| Date of Joining in University | 8.2.2010 | |
| Highest Educational Qualification | Ph. D | |
| Experience | Total (Yrs) | 10 |
| | Teaching (yrs) | 5 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 1 |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 2 |
| | Last 5 years | 2 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2019 | Venkata Subbaiah, P and **Jyothi, V**. 2019. Impact of Frontline demonstrations on Improved management practices in Groundnut and Sesamum. *Journal of OilseedS Research*. 36(3):184-188 | 5.02 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM-17-48 | N. Kishor Kumar | Impact of ANGRAU supported Reliance Foundation Information Services in Guntur district of Andhra Pradesh –A Public Private Partnership initiative |
| 2 | BAM-18-52 | P. Revathi Nagamani | Tenant farming in East Godavari district of Andhra Pradesh-A critical analysis |

**Information on Professional Certificates / Honors / Awards**

| Year | Type of Recognition | Presented by |
|---|---|---|
| 2016 | Best Participant Award- Second Prize for Best performance, communication ability, punctuality and sincerity during 21 days training on ICT mediated Agricultural Extension held at ICAR-IARI, New Delhi (2-22, August 2016) | Received from Centre of Advanced Faculty Training Institute, Division of Extension Education, ICAR-IARI, New Delhi |
| 2017 | Best KVK Professional Award for Outstanding contribution in the field of transfer of technology | Society of Extension Education, Agra |
| 2017 | Best Paper Presentation Award for "Pocket Cards - An Innovative Low Cost Extension Methodology in Disseminating Critical Crop Interventions to Farming Community" authored by **V. Jyothi,** Vijayabhinandana. B, Venkata Subbaiah. P, Rajasri.M, Raja Reddy. K | Society of Extension Education, Agra during 8th National Extension Education Congress at NAARM, Hyderabad during 28-31, Jan 2017 |
| 2020 | First prize in oral paper presentation for 'Farmers preparedness for agricultural contingencies in Krishna district of Andhra Pradesh' authored by **Jyothi. V,** Vijayabhinandana. B and Venkata Subbaiah. P | Andhra Agricultural Union, during National Seminar on Innovations in Agriculture for Rural Development (IARD-2020) conducted during Feb 21-22, 2020 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2015 | Training on 'Management of extension projects for the scientists of KVKs of ANGRAU & PJTSAU' during 1.5.15 to 3.5.15 | ICAR-NAARM |
| 2016 | Training on 'Use of electronic tools for effective transfer of technology during 9.2.16 to 11.2.16 | PJTSAU |
| 2016 | Training on 'Application of ICTs in Agriculture : with focus on farmers portal, m kisan and Kisan Call Centre during 29.2.16 to 4.3.16 | MANAGE, Hyderabad |
| 2016 | 21 days training on ICT mediated Agricultural Extension held 2-22, August, 2016 | ICAR |
| 2016 | Training on 'Zero budget natural farming during 11.9.16 to 14.9.16 | State Dept. of Agriculture, AP |
| 2016 | Training on 'critical crop interventions' held on 28.5.16 | ANGRAU |
| 2018 | ICAR short course training programme on " Advanced Computational and Statistical Tools for Data Analysis" during 21.5.18 to 30.5.18 | ICAR |
| 2020 | National seminar on Innovations in Agriculture for rural development (IARD-2020) | Andhra Agricultural Union, Ag .College, Bapatla |

## DEPARTMENT OF AGRICULTURAL EXTENSION

### Information on list of publications (last 5 years; 2015 onwards)

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2020 | Uday Bhaskar,M.**Rao,M.S** and Satya gopal, P.V (2020) A study on association of profile characteristics with entrepreneurial behavior of commercial floriculture nursery owners in Kadium. Curreny Journal of Applied Science and Technology.39(11): 66-75. 2020.ISSN: 2457-1024.. | 5.37 |
| 2020 | Uday Bhaskar,M.**Rao,M.S** and Satya gopal, P.V (2020) Entrepreneurial behavior of commercial floriculture nursery owners in Kadium of Andhra Pradesh. Indian Journal of Extension Education Vol55(4): 1-6.Oct-Dec-2019. | 5.38 |
| 2019 | Venkata Subbaiah, P and **Jyothi, V**. 2019. Impact of Frontline demonstrations on Improved management practices in Groundnut and Sesamum. *Journal of OilseedS Research*. 36(3):184-188 | 5.02 |

### Information on awards / recognitions / certifcates

| Year | Name of the staff | Type of Recognition |
|---|---|---|
| 2017 | Dr.M.Srinivasa Rao | Out standing extension worker award Contribution in field of Agriculture extension on the occasion of National conference on doubling farmer's income for sustainable and harmonious agriculture –DISHA 2017(9-10 september,2017) |
| 2017 | Dr.M.Srinivasa Rao | Best oral presentation award in National conference on doubling farmer's income for sustainable and harmonious agriculture –DISHA 2017(9-10 september,2017) |
| 2016 | Dr. V. Jyothi | Best Participant Award- Second Prize for Best performance, communication ability, punctuality and sincerity during 21 days training on ICT mediated Agricultural Extension held at ICAR-IARI, New Delhi (2-22, August 2016) |
| 2017 | Dr. V. Jyothi | Best KVK Professional Award for Outstanding contribution in the field of transfer of technology |
| 2017 | Dr. V. Jyothi | Best Paper Presentation Award for "Pocket Cards - An Innovative Low Cost Extension Methodology in Disseminating Critical Crop Interventions to Farming Community" authored by **V. Jyothi,** Vijayabhinandana. B, Venkata Subbaiah. P, Rajasri.M, Raja Reddy. K |

| | | |
|---|---|---|
| 2020 | Dr. V. Jyothi | First prize in oral paper presentation for 'Farmers preparedness for agricultural contingencies in Krishna district of Andhra Pradesh' authored by **Jyothi. V,** Vijayabhinandana. B and Venkata Subbaiah. P |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments (last 5 years; 2015 onwards)**

| Year | Name of the staff | Name of the Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 2019 | Dr. M RamaDevy | National symposium on The choice of farming models for income security towards equity and sustainability | NABARD Chair Unit-ANGRAU |
| 2016 | Dr. M. Srinivasa Rao | ICT mediated agricultural extension ( 21 days) | Centre of advanced faculty training of ICAR at Division of Agricultural extension, IARI, New Delhi. |
| 2016 | Dr. M. Srinivasa Rao | State level training to the master trainers on organic farming/natural farming (5days) | ATMA |
| 2017 | Dr. M. Srinivasa Rao | National Conference on Adaptation interventions for climate resilient agriculture in costal agro ecosystem | ANGRAU &NABARD |
| 2018 | Dr. M. Srinivasa Rao | National Conference for Post Graduate Students(NCPGS-2018) Techno –Strategic Interventions for Profitable Agriculture | PG students of Agril. College,Bapatla |
| 2020 | Dr. M. Srinivasa Rao | National seminar on Innovations in Agriculture for rural development (IARD-2020) | Andhra Agricultural Union, Ag .College, Bapatla |
| 2015 | Dr.V. Jyothi | Training on 'Management of extension projects for the scientists of KVKs of ANGRAU & PJTSAU' during 1.5.15 to 3.5.15 | ICAR-NAARM |
| 2016 | Dr.V. Jyothi | Training on 'Use of electronic tools for effective transfer of technology during 9.2.16 to 11.2.16 | PJTSAU |
| 2016 | Dr.V. Jyothi | Training on 'Application of ICTs in Agriculture : with focus on farmers portal, m kisan and Kisan Call Centre during 29.2.16 to 4.3.16 | MANAGE, Hyderabad |

| | | | |
|---|---|---|---|
| 2016 | Dr.V. Jyothi | 21 days training on ICT mediated Agricultural Extension held 2-22, August, 2016 | ICAR |
| 2016 | Dr.V. Jyothi | Training on 'Zero budget natural farming during 11.9.16 to 14.9.16 | State Dept. of Agriculture, AP |
| 2016 | Dr.V. Jyothi | Training on 'critical crop interventions' held on 28.5.16 | ANGRAU |
| 2018 | Dr.V. Jyothi | ICAR short course training programme on " Advanced Computational and Statistical Tools for Data Analysis" during 21.5.18 to 30.5.18 | ICAR |
| 2020 | Dr.V. Jyothi | National seminar on Innovations in Agriculture for rural development (IARD-2020) | Andhra Agricultural Union, Ag .College, Bapatla |

## DEPARTMENT OF ENTOMOLOGY

| NAME OF THE STAFF | DR. CHANDALURI CHIRANJEEVI | |
|---|---|---|
| Designation | Professor & Head | |
| Date of Joining in University | 26.09.1985 | |
| Highest Educational Qualification | PhD in Agricultural Entomology | |
| Experience | Total (Yrs) | 35 |
| | Teaching (yrs) | 06 |
| Number of Peer reviewed publications with **5.0** or above NAAS rating | Total | 4 |
| | Last 5 years | 3 |
| Number of M.Sc & Ph.D students Guided | Total | 5+1 |
| | Last 5 years | 2+1 |

### Information on List of Publications (Last 5 years; 2015 onwards)

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2020 | Sudha Rani D., **Chiranjeevi,** Ch., Madhumathi, T and Krishnam Raju, S and Nafeez Umar, Sk. 2020. Screening of rice germplasm against yellow stem borer, *Scirpophaga incertulas* (Walker) (Crambidae: Lepidoptera). *Journal of Entomology and Zoology Studies*. 8 (2): 1687-1692. | 5.53 |
| 2 | 2020 | Sudha Rani D., **Chiranjeevi,** Ch., Madhumathi, T and Krishnam Raju, S and Nafeez Umar, Sk. 2020. Identification of Rice Genotypes for Resistance against Yellow Stem Borer in irrigated Rice. *International Journal of Current Microbiology and Applied Sciences*. 9 (5): 1627-1643. | 5.38 |
| 3 | 2020 | Sudha Rani D., **Chiranjeevi**, Ch., Madhumathi, T and Krishnam Raju, S and Sk.Nafeez Umar. 2020. Biochemical Analysis for Rice Germplasm Lines in Combat against Yellow Stem Borer, *Scirpophaga incertulas:* Implication for Varietal Selection of Rice in India. *International research Journal of Pure & Applied Chemistry*. 21 (7): 41-51. | 5.40 |

### Information on Guidance to PG / Ph.D students (Total Service) as Chair Person

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1. | BAD-15-15 (Ph.D) | D. Sudha Rani | Relative abudance of stem borer species infesting rice and management of rice stem borer *Scirpophaga incertulas* |
| 2. | BAM-16-47 | Prashanthi P | Field screening of certain genotypes against major pests of black gram and their management with indigenous products and insecticides |
| 3. | BAM-17-31 | V. Jhansi Hima Varsha | Estimation of yield loss due to *Pectinophora gossypiella* on transgenic cotton and its management |

| | | | |
|---|---|---|---|
| 4. | RAM-03-15 | Rajasekhar K | Studies on the weather parameters on insect pests of okra and their management |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2016 | Training on Data Analysis using statistical Packages from 30.05.16 to 04.06.2016 | Ag. College, Bapatla |
| 2016 | Diagnosis and management of insect pests, diseases and nutritional disorders of major crops' from 8th to 12th August 2016 for the plant protection/ ToT Scientists working at DAATTCs and KVKs of ANGRAU | Agricultural College, Bapatla |
| 2017 | Workshop on "Soft skills for Career success" on 03.04.17 FN. | ANGRAU |
| 2017 | Workshop on "Effective class room Management" on 03.04.17 AN. | ANGRAU |
| 2017 | Agri-carnival for the theme Doubling the Farm Income – ways and means. on 03.05.17. | Ag. College, Bapatla |
| 2017 | 14th National Youth Parliament competitions on 10.05.17 | Ag. College, Bapatla |
| 2019 | Strategic approached for developing world class Agricultural Universities, 19-20 March 2019 | ANGRAU |
| 2019 | Agri-carnival for the year 2019 | Ag. College, Bapatla |

| **NAME OF THE STAFF** | **DR. CHERUKURI SREENIVASA RAO** | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 26-Nov-1998 | |
| Highest Educational Qualification | Ph.D (IARI) | |
| Experience | Total (Yrs) | 22 |
| | Teaching (yrs) | 7 |
| Number of Peer reviewed publications with **5.0** or above NAAS rating | Total | 14 |
| | Last 5 years | 9 |
| Number of M.Sc & Ph.D students Guided | Total | 2 |
| | Last 5 years | NIL |

Significant Accomplishments, if any (brief)

- 2004: Member in "Expert Committee" for Preparation of ICAR Book on Pesticide Residue Analysis
- 2004: Observer from India for "Codex Committee on Pesticide Residues"
- 2006: Member-Task Force 2 for Curriculum Development for Pesticide Chemistry Courses DAC-GOI)
- 2011: Member of Scientific Panel on Pesticide and Anti-biotic Residues of Food Safety & Standards Authority of India (FSSAI)
- 2012: Member of Expert Panel constituted under FAD 14 of Bureau of Indian Standards, for Methodology for Pesticide Residue Analysis (BIS-GOI)

- 2014: Chairman, for three Electronic Working Groups formed by FSSAI, Ministry of Health and Family Welfare for "Harmonization of India's Food Standards with Codex Standards" (WG_VS4_CP4, WG_VS4_CP5, WG_VS4_CP6)
- Technical Committee Member-GOI Central Sector Scheme "Monitoring of Pesticide Residues at National Level"
- 2015: Member, Working Group constituted for Preparation of SOP for MRL fixation of Pesticide Residues (FSSAI)
- Got accreditation (ISO 17025) for Pesticide Residues Lab in 2012
- Got accreditation (ISO 17043) for Proficiency Testing Centre of NIPHM in 2016.
- 2017: Member in High Level Technical Committee formed by Govt of AP to formulate rules and regulations for Bio-Products
- 2017: Core Committee Member for "Assessing National Reference Laboratories" (FSSAI-GOI)
- USDA Master Trainer
- IAEA Master Trainer

2019: Member - Academic Council of NIPHM, GOI

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2017 | Sudhakar, K., Sreenivasa Rao, Ch., Shashi Bhushan, V and Narayana Reddy, P. 2017. Dissipation kinetics and decontamination of phosalone residues from tomato under green house and open field conditions. *Journal of Entomology and Zoology studies*. 5(5): 1769-1772. | 5.53 |
| 2 | 2017 | Sudhakar, K., Sreenivasa Rao, Ch., Shashi Bhushan, V and Narayana Reddy, P. 2017. Evaluation of decontamination methods for removal of pesticide residues from tomato *Solanum lycopersicum. Journal of Entomology and Zoology studies*. 5 (6): 1966-1970. | 5.53 |
| 3 | 2017 | Sudhakar, K., Sreenivasa Rao, Ch., Shashi Bhushan, V and Narayan Reddy, P. 2017. Residues, risk assessment and decontamination o lambda cyhalothrin residues from tomato fruits. *Journal of Entomology and Zoology studies*. 5(5): 1764-1768. | 5.53 |
| 4 | 2018 | Jesu Rajan, S., Sree Latha, E., Vijaya Raghavendra, R and Sreenivasa Rao, Ch. 2018. Biology and feeding potential of *Coccinella transversalis* (Fab.) on cabbage aphid, *Brevicoryne brassicae* (Linn.), *Journal of Entomology and Zoology Studies.* 6(6): 51-56. | 5.53 |
| 5 | 2018 | Sharma, K.K., Shashi Bhushan, V., Sreenivasa Rao, Ch., Narsimha Reddy, K., Banerjee, H., Mandal, S., Singh, B., Battu, R.S., Jyot, G., Sahoo, S.K., Mohapatra, S., Lekha, S., Manikrao, G., Radhika, B., Tripathy, V., Yadav, R., Shukla, P., Patel, A. N., Singh, G., Devi, S., Pandey, P., Gautam, R., Kalra, S., Gupta, R Singh, G ., Gopal, M and Walia, S. 2018. Persistence, dissipation and consumer risk assessment of a combination formulation of flubendiamide and | 8.13 |

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| | | deltamethrin on cucumber. *Food additives & contaminants: part A.* 35 (3): 498–511. | |
| 6 | 2019 | Jesu Rajan, S., Sree Latha,. E, Sneha Madhuri, K., Vijaya Raghavendra, R and Sreenivasa Rao, Ch. 2019. Predatory coccinellids diversity in organic vegetable farming systems: Conservation and mass production. *Journal of Entomology and Zoology Studies.* 7(1): 1148-1151. | 5.53 |
| 7 | 2019 | Baby Rani, G., Naga Satya Sri, Ch., Rishita, Y., Saikia, N and Sreenivasa Rao, Ch. 2019. Domestic methods for the removal of pesticide residues in chillies. *Journal of Pharmacognosy and Phytochemistry.* 8(4); 2690-2693. | 5.21 |
| 8 | 2019 | Sree Latha, E., Jesu Rajan S., Narsi Reddy M., Sneha Madhuri , K and Sreenivasa Rao, Ch. 2019. Conservation Biological Control: Effect of bio fertilizers and bio pesticides in organic Ecological Engineering Field of Okra (*Abelmoschus esculentus* (L.) Moench). *International Journal of Current Microbiology and Applied Sciences.* 8 (1): 548-555. | 5.38 |
| 9 | 2019 | Krishan Kumar, S., Tripathy, V., Sreenivasa Rao, Ch., Shashi Bhushan, V., Narasimha Reddy, K., Jyot, G., Sahoo, S. K., Balwinder Singh, B., Mandal, K., Banerjee, H., Banerjee, T., Bhattacharya, S., George, T., Beevi, N., Sharma, K., Tayade, A., Gopal, M and Walia, S. 2019. Persistence, dissipation, and risk assessment of a combination formulation of trifloxystrobin and tebuconazole fungicides in/on tomato. *Regulatory Toxicology and Pharmacology*. 108. 104471. | 7.80 |
| 10 | 2019 | Reddy, L.P.V., Rao, S.R.K., Krishna, T. M., Sreenivasa Rao, Ch., Padmodaya, B and Naidu, G.M. 2019. Bioefficacy of certain insecticides against rice yellow stem borer, *Scirpophaga incertulas* (Walker). *Journal of Pharmacognosy and Phytochemistry.* 8(4): 2625-2628. | 5.21 |
| 11 | 2019 | Reddy, L.P.V., Rao, S.R.K., Krishna, T. M., Sreenivasa Rao, Ch., Padmodaya, B and Naidu, G. M. 2019. Field evaluation of certain insecticides against rice yellow stem borer, *Scirpophaga incertulas* (Walker). *Journal of Entomology and Zoology Studies.* 7(41): 913-916. | 5.53 |

## Information on Guidance to PG / Ph.D students (Total Service) as Chairman

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | RAM-11-26 (M.Sc) | Katroju Ravi Kumar | Bio-Efficacy and Residue Dynamics of Insecticides against Fruit Borer (*Helicoverpa armigera*) in Tomato (*Lycopersicon esculentum*) |
| 2 | RAM-12-38 (M.Sc) | Sudhakar Kelagiri | Dissipation Dynamics of Certain Insecticides in Poly House and Open Field situations in Tomato (*Lycopersicon esculentum)* |

## Information on Professional Certificates / Honors / Awards

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2001 | First Rank in Three Months Course on Pesticide Residue Analysis | NPPTI, GOI |
| 2 | 2007 | Paul Harris Fellow | Rotary International, USA |
| 3 | 2007 | Certificate of Appreciation | ICAR for contributions in ICAR publication "Pesticide Residue Analysis Manual" |
| 4 | 2009 | Meritorious Research Scientist Award | Acharya N G Ranga Agricultural University, Hyderabad |
| 5 | 2011 | Rythu Nestam Award | Rythunestam Magazine & Padmasri Dr. IV Subba Rao Memorial Committee |
| 6 | 2014 | Best Paper Award | International Conference on Agriculture & Forestry, 2014, Colombo |
| 7 | 2014 | Session Best Presentation Award | 2nd International Conference on Agriculture & Environment Engineering, 2014, Phuket, Thailand |
| 8 | 2015 | Best Session Paper | 4th International Conference on Agricultural and Environment Engineering (ICFAE, 15) at Bali, Indonesia, during 7-8 May, 2015. |
| 9 | 2015 | FTAPCCI Excellence Award | The Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry (FTAPCCI) – Excellence in Science Award for Outstanding Contribution in Food Safety and Pesticide Residues |
| 10 | 2016 | Certificate of Excellence in Reviewing | Plant Protection Association of India for Indian Journal of Plant Protection |
| 11 | 2016 | Certificate of Appreciation (USDA) | USDA, for conducting training program on Pesticide Residues in Food Crops and Dietary Risk Assessment as Master Trainer to officials of Ministry of Agriculture, Malaysia at Malaysia during 21-23 Sept, 2016 |
| 12 | 2017 | Certificate of Contribution | NIRD & PR – for drafting Qualification Pack for Structural Pest Management Technician Course |

## Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2015 | 4th International Conference on Agricultural and Environment Engineering (ICFAE, 15); Bali, Indonesia; 7-8 May, 2015 | ISAET |
| 2. | 2015 | 9th Annual Workshop of Central Sector Scheme "Monitoring of Pesticide Residues at National Level"; Trivendrum; 28th May, 2015 | DAC, GOI |

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| 3. | 2015 | 23rd Annual Workshop on AINP on Pesticide Residues"; Trivendrum; 29th May, 2015 | ICAR |
| 4. | 2016 | First Advisory Committee Meeting "EU-CITD PT Providers"; FDA Bhavan, New Delhi; 23rd Feb, 2016 | FSSAI |
| 5. | 2016 | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 29 Mar 2016 | FSSAI |
| 6. | 2016 | Annual Workshop "AINP on Pesticide Residues" and MPRNL Scheme; PAU-Ludhiana; 25-27 May 2016 | DAC, GOI & ICAR |
| 7. | 2016 | Technical Committee Meeting of MPRNL Scheme; Krishi Bhavan, New Delhi; 29 June 2016 | DAC, GOI |
| 8. | 2016 | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 30 June 2016 | FSSAI |
| 9. | 2016 | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 27 July 2016 | FSSAI |
| 10. | 2016 | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 31 August 2016 | FSSAI |
| 11. | 2016 | Objections and Suggestions on Amendment in The Insecticide Rules, 1971; Krishi Bhavan; 4th Oct 2016 | DAC, GOI |
| 12. | 2016 | Stakeholders Meeting on Pesticide Residues in Curry Leaves; Spices Board, Guntur; 18th Octo 2016 | Spices Board |
| 13. | 2016 | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 1st Nov 2016 | FSSAI |
| 14. | 2017 | Meeting on Effectiveness of ALP on Storage Pests of Pulses – An alternative to MBr; Krishi Bhavan; New Delhi; 21st Feb 2017 | DAC, GOI |
| 15. | 2017 | Workshop on "Alternatives to Methyl Bromide", NASC, New Delhi; 24th Mar 2017 | DAC, GOI |
| 16. | 2017 | Workshop on Course Alignment of Structural Pest Management under National Skill Qualification Framework of India; NIRD, Hyderabad; 4-6 May 2017 | NIRD |
| 17. | 2017 | 25th Annual Workshop of AINP on Pesticide Residues, SKUAST, Kashmir; 13-15 July 2017 | ICAR |
| 18. | 2017 | 29th Technical Committee Meeting of MPRNL Scheme; Krishi Bhavan, New Delhi; 4th Aug 2017 | DAC, GOI |
| 19. | 2017 | PTP Conclave, New Delhi; 30-31 Aug, 2017 | NABL, GOI |
| 20. | 2017 | Technical Specifications Committee Meeting for MPRNL Scheme; IARI, New Delhi; 14th Sept 2017 | DAC, GOI |
| 21. | 2017 | 11th Workshop of MPRNL Scheme; AAU, Gujarat; 22nd Sept 2017 | DAC, GOI |
| 22. | 2017 | Brian Storming Session "Different Approaches used at global level to determine MRLs for Pesticides – Their Impact on Trade and Strategy"; FDA Bhavan, New Delhi; 1st Nov, 2017 | EIC, GOI |
| 23. | 2018 | Discussions on Pesticide Management Bill 2017; NASC, New Delhi; 11th Jan 2018 | DAC, GOI |
| 24. | 2018 | Committee Meeting for Compilation of Achievements of MPRNL Scheme, IARI, New Delhi; 30th Jan 2018 | DAC, GOI |
| 25. | 2018 | 30th Meeting of Technical Committee of MPRNL Scheme; Krishi Bhavan, New Delhi; 31st Jan 2018 | DAC, GOI |
| 26. | 2018 | Conducted annual workshop of DAC funded Project "Study on Impact of Indiscriminate Use of Chemical fertilizers and Pesticides" at NIPHM during 26-27 March, 2018 | DAC, GOI |

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| 27. | 2018 | World Accreditation Day; Bangalore, 9th June, 2018 | NABL |
| 28. | 2018 | Expert Committee Meeting of MPRNL Scheme; IARI, New Delhi; 25 June 2018 | DAC, GOI |
| 29. | 2018 | Expert Committee Meeting of MPRNL Scheme; IARI, New Delhi; 10th August 2018 | DAC, GOI |
| 30. | 2018 | PTP (Proficiency Testing Provider) Conclave; Mumbai; 30-31st August, 2018 | NABL, GOI |
| 31. | 2018 | Conducted workshop on Organic Farming and FPOs; NIPHM; 4th September, 2018 | NIPHM |
| 32. | 2018 | Technical Committee of MPRNL; Krishi Bhavan. Delhi on 4th Octo, 2018 | DAC, GOI |
| 33. | 2018 | Conducted annual workshop of DAC funded Project "Study on Impact of Indiscriminate Use of Chemical fertilizers and Pesticides at BCKV, Kalyani during 29-31 Octo, 2018 | DAC, GOI |
| 34. | 2018 | Meeting on Fall Army Worm at Krishi Bhavan. Delhi on 14th November, 2018 | DAC, GOI |
| 35. | 2019 | 13th Academic Committee Meeting of NIPHM at Krishi Bhavan on 3rd Jan, 2019 | DAC, GOI |
| 36. | 2019 | Technical Committee of MPRNL at Krishi Bhavan. Delhi on 8th Jan, 2019 | DAC, GOI |
| 37. | 2019 | 6th Meeting of Empowered Committee of FSSAI on Strengthening of Food Testing System in the Country at FDA Bhavan, New Delhi on 22nd Feb, 2019 | FSSAI, GOI |
| 38. | 2019 | 6th Annual Conference of the India Section of AOAC International, New Delhi; 29th Feb to 1st March, 2019 | AOAC |
| 39. | 2019 | Co-chaired a session on "Crop and Crop Health Management" during National Workshop on "Plant Health Management of Coconut : Challenges and Future opportunities, organized by NIPHM; 14th March, 2019 | NIPHM |
| 40. | 2019 | Expert Committee meeting of MPRNL GOI; Krishi Bhavan, New Delhi; 21 June, 2019 | DAC. GOI |
| 41. | 2019 | 13th Annual Workshop of CCS-Monitoring of pesticide residue at National level (MPRNL); Trivendrum, 1-2 Aug, 2019 | DAC, GOI |
| 42. | 2019 | 27th Annual workshop of ICAR-AINP on Pesticides Residues, KAU; Trivendrum, 3-4 Aug, 2019 | ICAR |
| 43. | 2019 | International Plant Protection Convention IPPC 2019; HICC, Hyderabad; 10-12 Nob, 2019 | IPPC |
| 44. | 2020 | Chaired a session in IV th IUPAC- International Conference on Agro-Chemicals protecting crops Health & Natural environment; NASC, New Delhi; 7-10 Jan 2020 | IUPAC |
| 45. | 2020 | 32nd meeting of Technical Committee of MPRNL, GOI; Krishi Bhavan, New Delhi; 9 Jan 2020 | DAC, GOI |
| 46. | 2020 | Chaired a session in National Seminar on Innovations in Agriculture for Rural Development; ANGRAU-Bapatla; 21-22 Feb 2020 | ANGRAU |

| NAME OF THE STAFF | DR T MADHUMATHI | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 03.12.1998 | |
| Highest Educational Qualification | Ph. D | |
| Experience | Total (Yrs) | 22 |
| | Teaching (yrs) | 19 |
| Number of Peer reviewed publications with **5.0** or above NAAS rating | Total | 25 |
| | Last 5 years | 19 |
| Number of M.Sc&Ph.D students Guided | Total | 28– Chairman<br>38- Member |
| | Last 5 years | 8- Chairman<br>17-member |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2015 | Nataraj, M.V., Chalam, M.S.V, Madhumathi, T and Srinivas Rao, V. 2015. Bio efficacy of new insecticides against major pests of okra. *Indian Journal of Plant Protection.* 43(2): 233-236. | 5.07 |
| 2 | 2015 | Ramalakshmi, V., Prasad, G.M.V and Madhumathi, T. 2015. Estimation of yield losses due to sucking pests in transgenic cotton. *Indian Journal of Plant Protection.* 43 (1): 98-100. | 5.07 |
| 3 | 2017 | Chaitanya, N., Gopalaswamy, S.V.S and Madhumathi, T.2017. Effect of modified atmosphere on cigarette beetle *Lasioderma serricorne* (F.) in stored turmeric. *Indian Journal of Entomology.* 79 (2): 202-207. | 5.89 |
| 4 | 2017 | Divya Bharathi, T., Krishnayya, P. V and Madhumathi, T. 2017. Developmental response of *Callosobruchus maculatus* F. and *C. chinensis* L. on different Pulse host-grains. *Chemical Science Review and Letters.* 6(22), 786-792. | 5.21 |
| 5 | 2017 | Divya Bharathi, T., Krishnayya, P. V and Madhumathi, T. 2017. Developmental Response of *Callosobruchus maculatus* F. and *C. chinensis* L. on Different Pulse Host-Grains *Chem Sci Rev Lett*6(22), 786-792. | 5.21 |
| 6 | 2017 | Muthukumar, M., Sai Ram Kumar, D. V., Madhumathi, T and Lal Ahmed, M. 2017. Biology of Angoumois Grain Moth *Sitotroga Cerealella* (Oliver) on Rice Varieties. *Indian Journal of Entomology* 79(3):253-256 | 5.89 |
| 7 | 2017 | Ramesh Babu, S., Sai Ram Kumar, D. V., Naga Satya Sri, Ch and Madhumathi, T. 2017. Evaluation of spinosad against malathion and deltamethrin resistant population of Lesser grain borer, *Rhyzopertha dominica* in Andhra Pradesh, India. *International Journal of Current Microbiology and Applied Sciences.* 6(6):165-71. | 5.38 |

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| 8 | 2017 | Ramesh Babu, S., Sai Ram Kumar, D.V., Madhumathi, T., Manoj Kumar, V and Lakshmipathy R. Status of insecticide resistance in lesser grain borer, *Rhyzopertha dominica* to malathion and deltamethrin in Andhra Pradesh. *Journal of Entomology and Zoology Studies*7; 5(4): 741-746. | 5.53 |
| 9 | 2018 | Anil Kumar, K., Sarma, A.S.R., Madhumathi, T and Prasanna Kumari, V. 2018. Study on efficacy of pesticide mixtures as foliar Sprays for the management of Rice Leaf Folder (*Cnaphalocrocis medinalis*) and Leaf Blast (*Pyricularia oryzae*) on Paddy. *International Journal of Current Microbiology and Applied Sciences.* 7(11): 2163-2175. | 5.38 |
| 10 | 2018 | Naga Satyasri, C.h, Madhumathi, T and Sai Ram Kumar, D.V. 2018. Effect of synergists Piperonylbutoxide, S'S'S' tribute phosphorotrithioate and Triphenyl phosphate on resistant Bapatla strain of *Tribolium castaneum* Herbst. *Journal of Entomology and Zoology Studies.* 6(2): 1105-1107. | 5.53 |
| 11 | 2018 | Pranyusha, B., Madhumathi, T., Krishnayya, P. V and Manoj Kumar, V. 2018. Influence of biotin binding proteins on growth and development of *Tribolium castaneum* Herbst and *Corcyra cephalonica* Stainton. *International Journal of Advanced Scientific Research.* 3(5):92-98. | 5.32 |
| 12 | 2018 | Suneel Kumar, G.V and Madhumathi, T. 2018. Life tables of the spotted stem borer, *Chilo partellus* (Swinhoe) on maize cultivars. *Indian Journal of Entomology.* 80(4) 1341 – 1350. | 5.89 |
| 13 | 2019 | Anil Kumar, K., Madhumathi, T., Sai Ram Kumar, D.V., Raj Kumar, N and Nafeez Umar, Sk. Survey on the infestation of *Chilo partellus* (Swinhoe) in Krishna and Guntur districts of Andhra Pradesh. *International Journal of Current Microbiology and Applied Sciences*. 8 (6): 3131-3135. | 5.38 |
| 14 | 2019 | Ravi Kumar, V., Madhumathi, T., Sai Ram Kumar, D.V., Anil Kumar, P and Martin Luther, M. 2019. Ovipositional preference and larval survival of maize stem borer, *Chilo partellus* (Swinhoe) on different trap crops. International *Journal of Current Microbiology and Applied Sciences.* 8 (6): 3149-3153 | 5.38 |
| 15 | 2020 | Chakraborty, D and Madhumathi, T. 2020. Present scenario of insecticide resistance in Rusty Grain Beetle, *Cryptolestes ferrugenius* (Stephens) to malathion and deltamethrin in Andhra Pradesh, India. *International Journal of Current Microbiology and Applied Sciences* 9 (6): 4180-4188. | 5.53 |
| 16 | 2020 | Chakraborty, D., Madhumathi, T and Gopalaswamy, S.V.S. 2020 Toxicity evaluation of spinosad against malathion and deltamethrin resistant population of rusty grain beetle, *Cryptolestes ferrugenius* (Stephens) in Andhra Pradesh, India *Journal of Entomology and Zoology Studies*. 8(4): 141-144. | 5.53 |
| 17 | 2020 | Chakraborty, D., Madhumathi, T., Gopalaswamy, S.V.S and Prasanna Kumari, V. 2020. Growth, development and progeny production of Rusty grain beetle, *Cryptolestes ferrugineus* | 5.53 |

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| | | (Stephens) on broken, flour and whole maize. *Journal of Entomology and Zoology Studies.* 8(4): 151-154. | |
| 20 | 2020 | Sudha Rani D., Chiranjeevi, Ch., Madhumathi, T and Krishnam Raju, S and Nafeez Umar, Sk. 2020. Screening of rice germplasm against yellow stem borer, *Scirpophaga incertulas* (Walker) (Crambidae: Lepidoptera). *Journal of Entomology and Zoology Studies*. 8 (2): 1687-1692. | 5.53 |
| 21 | 2020 | Sudha Rani, D., Chiranjeevi, Ch., Madhumathi, T., Krishnam Raju, S and Nafeez Umar, Sk. 2020 Biochemical analysis for rice germplasm lines for combat against Yellow stem borer, *Scirpophaga incertulas*: Implication for varietal selection of Rice in India *International Research Journal of Pure & Applied Chemistry.* 21(7): 41-51. | 5.38 |
| 22 | 2020 | Sudha Rani, D., Chiranjeevi, Ch., Madhumathi, T., Krishnam Raju, S and Nafeez Umar, Sk. 2020. Identification of Rice genotypes for resistance against Yellow stem borer in irrigated rice. *International Journal of Current Microbiology and Applied Sciences* 9(5): 1627-1643. | 5.38 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | | K. Srinivas | "Bio-efficacy of selected insecticides against rice pest complex with special reference to rice leaf folder *Cnaphalocrocismedinalis*Guenee" |
| 2 | | A. Ramachandra | "Studies on life tables of *Marucavitrata* (Geyer) and management of pod borer complex on pigeonpea" |
| 3 | | U. Venkateswarlu | "Assessment of insecticide resistance and management of *Spodopteralitura* (Fab.) on cotton in Guntur and Prakasam districts of Andhra Pradesh" |
| 4 | BAM 03–34 | I T S Radha | "Occurrence and management of major insect pests of maize (*Zea mays* L.) |
| 5 | BAM 03-33 | B. Murali Kishore | "Occurrence and management of major insect pests of safflower (*Carthamustinctorius*Linn.)" |
| 6 | BAM 04-32 | K. Dharma Prasad | "Assessment of insecticide resistance in *Spodopteralitura*(Fab.) on cotton in Guntur and Prakasam districts of Andhra Pradesh and it's management" |
| 7 | BAM 04-33 | P S S Kumar | "Assessment of insecticide resistance in cotton aphid, *Aphis gossypii* (Glover) and it's management with new insecticides" |
| 8 | BAM 05-29 | Ch. RamyaPriyanka | "Status of insecticide resistance in *Triboliumcastaneum*(Herbst) (Tenebrionidae: Coleoptera) and its management" |
| 9 | BAM 06-25 | Chittibabu, G | Evaluation of different spray schedules against |

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| | | | spotted pod borer, *Marucavitrata*(Geyer) on blackgram |
| 10 | BAM 06-29 | Manjunath C | Studies on toxicity of certain insecticides against *Marucavitrata*(Geyer) |
| 11 | BAM 07-20 | Swathikumari , MSSK | "Status of insecticide resistance in *Sitophilusoryzae* (CurculionidaeColeoptera) and its management" |
| 12 | BAM 08-33 | Sujatha, T | "Studies on dust of lesser grain borer, *Rhizoperthadominica* (Fab.) (Bostrichidae, Coleopture) and efficacy of insecticides and its manager." |
| 13 | BAM 08-28 | Mr. K. Raghu Ram, | "Studies on losses caused by rice weevil, *Sitophilusoryzae* (Curculionidae) coleoptera ) on rice, wheat, maize and its Management." |
| 14 | BAM 10-31 | NajithaUmmer | Studies on management of groundnut Bruchid, *Caryedonserratus* during storage |
| 15 | BAM 11-41 | Siva lalitha, P | Compatability of certain new insecticides and fungicides against *Spodopteralitura* (Fab.) (Noctuidae:Lepidoptera) |
| 16 | BAM 11-40 | Sadgurumurthy, A | Laboratary selection of spinosad resistant strain, *Triboliumcastaneum*Herbst( Tenebrionidae: Coleoptera) |
| 17 | BAM 12 - 28 | Anil kumarYadav | Studies on combined effect of *Nano- diatomecous* earth and spinosad on *Sitophilusoryzae* |
| 18 | BAM 14 - 28 | Naga SatyaSree, | Assessment of insecticide resistance in *Triboliumcastaneum* collected from godowns of AP. |
| 19 | BAM 16 - 46 | Pranyusha, B | Effect of biotin inhibitors, avidin and streptavidin on the growth and survival of stored grain insect pests |
| 20 | BAM 16 -43 | Deb JyothiChakraborthy | Influence of physical form of host grain on growth and development of rust grain beetle, *Cryptolestesferrugineus*(Stephens) and its management with insecticides |
| 21 | BAM 18 - 35 | MastanShareef | Studies on laboratory and field evaluation of newer insecticides against fall armyworm, *Spodoptera frugiperda* (J. E. Smith) (Lepidoptera: Noctuidae) on maize |
| 22 | | Satwika, M | Influence of inert minerals and botanicals on population growth and survival of Pulse beetle, *Callosobruchus maculatus* ( Coleoptera : Chrysomelidae ) |

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| 1 | BAD –12- 09 | Jyothi , P | Screening of maize genotypes against stem borers and their management with newer insecticides |
| 2 | BAD 13 - 13 | Suneel Kumar, G | Studies on life tables and management of stem borer, *Chilopartellus* in maize |
| 3 | BAD-15-13 | Ravi Kumar, V | Identification of suitable leguminous intercrops and gramineous trap crops in maize for the management of stem borer, *Chilopartellus* (Swinhoe) through ecological engineering |
| 5 | BAD 16 - 13 | Anil Kumar, K | Evaluation of ecofriendly techniques for the management of maize stem borer, *Chilopartellus* (Swinhoe) |
| 5 | BAD 18 – 17 | Raja Sekhar, L | Identification and molecular characterization of thrips complex transmitting the Groundnut Bud Necrosis Virus in blackgram and their management |
| 6 | BAD 19 -16 | Chaitanya, P | Studies on management of pulse beetle, *Callosobruchus maculatus* (Fab.) (Coleoptera: Chrysomelidae) on stored chickpea (*Cicer arietinum* l.) with novel techniques |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2012 | University Meritorious Teacher award | ANGRAU |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | Future Technologies: Indian Cotton in the Next Decade | RARS, Lam |
| 2 | 2016 | 10th International Conference on 'Controlled Atmosphere and Fumigation in Stored Products' | CAF and IARI, Delhi |
| 3 | 2016 | Training prog'Diagnosis and Management of Insect pest Diseases and nutritional disorders of major crops' | Agril College, Bapatla |
| 4 | 2016 | National Conference for Post graduate Students' Techno-strategic interventions for profitable agriculture' | Agril. College, Bapatla |
| 5 | 2016 | Conference on National Priorities in Plant Health Management, | PPAI, ICAR – NBPGR, |
| 6 | 2019 | National Conference for Post graduate Students, Novel approaches for doubling farmer income through sustainable agricultural production systems | Agril. College, Bapatla |
| 7 | 2020 | National Conference Post graduate Students on "Challenges and opportunities for profitable agriculture" | Agril. College, Bapatla |
| 8 | 2020 | National Seminar on 'Innovations in Agriculture for rural development (IARD-2020) | Agril. College, Bapatla |

| NAME OF THE STAFF | DR.G. RAMACHANDRARAO | |
|---|---|---|
| Designation | PROFESSOR | |
| Date of Joining in University | 14-12-1998 | |
| Highest Educational Qualification | Ph.D. | |
| Experience | Total (Yrs) | 21 |
| | Teaching (yrs) | 16 |
| Number of Peer reviewed publications with **5.0** or above NAAS rating | Total | 85 |
| | Last 5 years | Table below (13) |
| Number of M.Sc&Ph.D students Guided | Total | 20 : 19 M.Sc(Ag) And 1Ph.D |
| | Last 5 years | 4 ( as Major) and 6 (as Member) all M.Sc.(Ag) Total 10 |
| Significant Accomplishments, if any (brief)<br>On 9-3-17 acted as Rapporteur for Panel discussion on "Interventions to double the income of farmers by 2020" in the National Conference on "Adaptation Interventions for Climate Resilient Agriculture in Coastal Agro-Ecosystems" on 10-3-17 presented the report in plenary session. | | |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2017 | Anand Kumar, K., Prabhu Prasadini, P., Lakshmipathy, R., Thrimurthulu, N and Ramachandra Rao, G. 2017. Effect of textile sludge application on soil microbial properties. *International Journal of Current Microbiology and Applied Sciences.* 6 (12): 2006-2012. | 5.38 |
| 2 | 2018 | Amani, J., Kishore Babu, G., Lakshmipathy, R., Ramachandra Rao, G and Chandrasekhar, K. 2018. Effect of cement dust deposition on soil microbial properties. *International Journal of Current Microbiology.* 7(10):1230-1234. | 5.38 |
| 3 | 2019 | Tebesi, P.R., Ramachandra Rao, G., Lakshmi, G.V and Chandrasekhar, K. 2019. Effect of Aquaculture on groundwater quality in Guntur district of Andhra Pradesh, India. *International Journal of Chemical Studies.* 7(4):525-529. | 5.44 |
| 4 | 2019 | Neeraja, K., Ramachandra Rao, G., Lakshmi, G.Vand Lakshmipathy R. 2019. Effect of sewage water irrigation on soil health in periurban areas of Guntur, Andhra Pradesh. *International Journal of Chemical Studies.* 7(4):2131-2133. | 5.44 |
| 5 | 2019 | Vasundhara, K., Lakshmi, G.V., Ramachandra Rao, G and Kishore Babu, G. 2019. Characterization of Guntur urban compost and its suitability to different crops" *International Journal of Chemical Studies.* 7(4):2234-2236. | 5.44 |

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|---|---|---|---|
| 6 | 2019 | Dakshayani, T., Lakshmi G.V., Ramachandra Rao, G and Vijaya Gopal, A. 2019. Effect of industrial dairy effluent on soil properties in Guntur district of Andhra Pradesh, India. *International Journal of Chemical Studies.* 7(4):2237-2239. | 5.44 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | GAM/2015-05 | K.Jaya | " Studies on sewage water of Guntur Municipal Corporation on soil properties and quality of fodder grass |
| 2 | GAM/2016-06 | M.Srikanth | Studies on composting of aquasludge and its suitability to different crops |
| 3 | GAM/2017-07* | Tebesi Peter Raliengonae | **"** Studies on effect of aquaculture on soil and ground water quality in Guntur district of Andhra Pradesh, India" |
| 4 | GAM/2017-06 | K.Neeraja | "Effect of sewage water irrigation on soil, groundwater and vegetable crops in peri-urban areas of Guntur district" |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2016 | UgadiPurskaram | State Govt. |
| 2 | 2016 | Dr.I.V.Subbarao memorial Rytunestampuraskaram | Rytunestam foundation |
| 3. | 2019 | State Best Teacher Award in Agriculture category | State Govt |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 27-29-3-2017 | International Conference on "Advanced Technologies and their Applications in Agriculture" Presented paper on "Influence of Microbial consortium on biodegradation of textile sludge applied to the soil" by K. Anandkumar, G. Ramachandrarao, P. Prabhu prasadini, N. Trimurthulu and G. Kishorebabu | National Res. Centre, Agricultural and Biological Research Division, Cairo, Egypt |
| 2 | 9-3-17 to 104-3-17 | National Conference on "Adaptation Interventions for Climate Resilient Agriculture in Coastal Agro-Ecosystems" | ANGRAU NABARD Chair at RARS, Lam |
| 3. | 3-4-2017 | Training on Personality Development Programme to Faculty on "Effective Class room | Agricultural College, Bapatla |

| | | | |
|---|---|---|---|
| | | Management by Prof.M.L. Saikumar Former Dean Institute for Public Enterprise (IPE), Osmania University | |
| 4. | 8-8-17 | Orientation and training programme on CERA by University Librarian, ANGRAU | RARS,Lam |
| 5. | 25-10-17 | PG Students Synopsis Preparation By Dean of P G Studies for the Teaching Staff of APGC, Guntur | APGC,Guntur |
| 6. | 19-1-18 | Training Programme on Work Excellence by the University for the Teaching Staff of RARS, Lam and APGC, GunturAPGC, Guntur | APGC,Guntur |
| 7. | 18-9-18 | Training programme on CERA by the Dean of Student Affairs and University Librarian, ANGRAU | APGC, Guntur |
| 8. | 22-11-18 to 24-11-18 | Attended International Conference on Sustainable Solid Waste Management at AcharyaNagarjuna University along with students of Dept. of Environmental Sciences | Acharya Nagarjuna University, Guntur |

| **NAME OF THE STAFF** | **DR. D.V. SAI RAM KUMAR** | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 23-07-1999 | |
| Highest Educational Qualification | Ph.D. (Entomology) | |
| Experience | Total (Yrs) | 21 |
| | Teaching (yrs) | 15 |
| Number of Peer reviewed publications with **5.0** or above NAAS rating | Total | 17 |
| | Last 5 years | 14 |
| Number of M.Sc & Ph.D students Guided | Total | 10 |
| | Last 5 years | M.Sc: 06; Ph.D.:05 |

**Significant Accomplishments, if any (brief)**

1. Technology (DST), New Delhi on "Web enabled and weather based Decision Support System for Forewarning and Management of YSB and BPH of Rice in Andhra Pradesh ", with a budget out-lay of Rs. 26.75 lakhs. For two years, starting from September, 2014 to 2016.
2. Acted as 'External Examiner' for setting of UG Semester Final Theory Examination Question Paper (Course No. HET. 301; Pests of Fruits, Plantation, Medicinal and Ornamental Crops) for B.Sc. (Hort.) during I sem, 2015-16 of College of Horticulture (Univ. of Horticultural Sciences, Bagalkot), Sirsi, Karnataka.
3. Acted as an 'External Examiner' for setting of UG (Ent. 222; Insect Ecology and Integrated Pest Management including Beneficial Insects) & PG/Ph.D Semester Final Theory Examination Question Paper for the Course No. Ent. 605 (Course Title: Insect Behaviour) of Dept. of Entomology, College of Agriculture, Orissa University of Agriculture & Technology, Bhubaneswar, during II sem, 2015-16.
4. Acting as an 'External Examiner' for setting of UG Semester Final Theory Examination Question Paper (Course No. Ent. 121;Fundamentals of Entomology) of Dept. of Entomology, College of Agriculture, Orissa University of Agriculture & Technology, Bhubaneswar, during II sem, 2016-17.

5. Acted as an 'External Examiner' to evaluate a Master's degree thesis entitled " Development and evaluation of local *Bacillus thuringiensis* formulation against *Helicoverpa armigera*". (submitted by Ms. Saroja, ID No. PG15AGR7021) of Dept. of Agricultural Entomology, Agricultural College, University of Agricultural Sciences, Raichur, Karnataka during II sem, 2016-17 (*vide* No. Dean/PGS/UASR/PPG/Ext.Exam/2016-17; dt. 20-06-2017).
6. Acted as an 'External Examiner' to evaluate the 'Comprehensive Oral Examination of 8 numbers of Master's degree students of Dept. of Agricultural Entomology, Agricultural College, University of Agricultural Sciences, Raichur, Karnataka (*vide* No. Dean/PGS/UASR/PG/QE 623/2017-18; dt. 21-12-2017).
7. Acted as a 'Resource Person' for AELP programme to develop Audio-visual aids (video clippings) in 'IPM practices of Chillies especially for sucking pests'.
8. "Lt. Col. P.V. Krishnaiah Choudary Memorial Silver Medal" for *The Andhra Agricultural Journal "*Best Research Publication-2013" to the research article entitled "Influence of Certain Newer Insecticides and their Combination Products against some major Natural Enemies of Rice Ecosystem" authored by Raj Kumar, DSSSRR, Sai Ram Kumar, D.V., Madhumathi, T and Rao, V.S. (*The Andhra Agricultural Journal* 60(3):652-658).
9. Published a book chapter entitled "Molecular Tools in Bio-control of Crop Pests" as a co-author, (Sudha Rani, D., Chiranjeevi, Ch., Krishnayya, P.V. and Sai Ram Kumar, D.V.) in Plant Biotechnology and Industrial Applications (eds. Alka Chauhan & Pavan Kumar), Bharti Discover Publishing House Pvt. Ltd., New Delhi, pp. 978-993.
10. As a team member from 'Plant Protection, developed the course contents for 2 years diploma course on 'Organic Farming'in telugu, which is in force during the current academic year.
11. Assisted the Professor & University Head, Dept. of Entomology in setting & preparing the Question Paper for the ICAR-JRF national examination for the year, 2016-'17.
12. Performed the duty of Officer-in-charge of Student Activities, as a "Team Manager" to lead a 25 member student contingent of constituent colleges of ANGRAU representing ANGRAU at the "AGRI-UNIFEST", an All-India Inter-Agricultural Universities Youth Festival, which was organized at Sardarkrushinagar Dantiwada Agricultural University, Gujarat during 3-7 February, 2019.

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S. No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2017 | Anusha, S., Prasada Rao, G.M.V and Sai Ram Kumar, D.V. 2017. Influence of different nitrogen levels on the management of *Bt* cotton sucking pests. *Journal of Entomology and Zoology Studies* 5(2): 16-21. | 5.53 |
| 2 | 2017 | Muthukumar, M., Sai Ram Kumar, D. V., Madhumathi, T and Lal Ahmed, M. 2017. Biology of Angoumois Grain Moth *Sitotroga Cerealella* (Oliver) on Rice Varieties. *Indian Journal of Entomology* 79(3):253-256 | 5.89 |
| 3 | 2017 | Ramesh Babu, S., Sai Ram Kumar, D.V., Naga Satya Sri, Ch and | 5.38 |

| | | | |
|---|---|---|---|
| | | Madhumathi, T. 2017. Evaluation of spinosad against malathion and deltamethrin resistant population of Lesser grain borer, *Rhyzopertha dominica* in Andhra Pradesh, India. *International Journal of Current Microbiology and Applied Sciences* 6(6):165-71. | |
| 4 | 2018 | Appala Raju, K., Krishnayya, P.V., Sai Ram Kumar, D.V., Krishnaveni, B and Manoj Kumar, V. 2018. Screening of the recent rice varieties against leaf folder, *Cnaphalocrocis medinalis* Guenee (Pyralidae, Lepidoptera). *Journal of Entomology and Zoology Studies*. 6(3): 817-820 | 5.53 |
| 5 | 2018 | Appala Raju, K., Krishnayya, P.V., Sai Ram Kumar, D.V., Krishnaveni, B and Manoj Kumar, V. 2018. Correlation studies and multiple linear regression analysis of against leaf folder, *Cnaphalocrocis medinalis* Guenee incidence with morphological characters of leaves of the rice varieties. *Journal of Pharmacognosy and Phytochemistry*.7(3): 2516-'21. | 5.21 |
| 6 | 2018 | Appala Raju, K., Krishnayya, P.V., Sai Ram Kumar, D.V., Krishnaveni, B and Manoj Kumar, V. 2018. Correlation studies and multiple linear regression analysis of against leaf folder, *Cnaphalocrocis medinalis* Guenee incidence with biochemical characters of leaves of the rice varieties. *International Journal of Chemical Studies. 6(5):3133-3138.* | 5.31 |
| 7 | 2018 | Naga Satyasri, Ch., Madhumathi, T and Sai Ram Kumar, D.V. 2018. Effect of synergists Piperonyl butoxide, S'S'S' tribute phosphorotrithioate and Triphenyl phosphate on resistant Bapatla strain of *Tribolium castaneum* Herbst. *Journal of Entomology and Zoology Studies* 6(2): 1105-1107. | 5.53 |
| 8 | 2018 | Sai, Y., Sreekanth, M., Sai Ram Kumar, D.V and Manoj Kumar, V.2018. Morphological and biochemical factors associated with resistance to *Helicoverpa armigera* (Hubner) and *Maruca vitrata* (Geyer) in Pigeonpea *Journal of Entomology and Zoology Studies*. 6(2): 3073-3078 | 5.53 |
| 9 | 2018 | Sai, Y., Sreekanth, M., Sai Ram Kumar, D.V., Manoj Kumar, V.2018. Bio-intensive management of *Helicoverpa armigera* (Hubner) and *Maruca vitrata* (Geyer) in Pigeonpea *International Journal of Chemical Studies* 2018; 6(2): 3435-3439 | 5.31 |
| 10 | 2019 | Anil Kumar, K., Madhumathi, T., Sai Ram Kumar, D.V., Raj Kumar, N. And Nafeez Umar, Sk. 2019 Survey on the infestation of Chilo partellus (Swinhoe) in Krishna and Guntur districts of Andhra Pradesh. *International Journal of Current Microbiology and Applied Sciences*. 8(6): 3131-3135 | 5.38 |
| 11 | 2019 | Ravi Kumar, V., Madhumathi, T., Sai Ram Kumar, D.V., Anil Kumar, P and Martin Luther, M. 2019. Ovipositional preference and larval survival of maize stem borer, Chilo partellus (Swinhoe)on different trap crops. *International Journal of Current Microbiology and Applied Sciences*. 8(6): 3149-3153. | 5.38 |
| 12 | 2020 | Dhanapal, R., Sai Ram Kumar, D.V., Lakshmipathy, R., Sandhya | 6.38 |

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|---|---|---|---|
| | | Rani, C and Manoj Kumar, V. 2020. Exploration of indigenous strains of the green muscardine fungus from soils and their pathogenicity against the tobacco caterpillar, Spodoptera litura (Fab.) (Lepidoptera: Noctuidae). *Egyptian Journal of Biological Pest Control* (2020)30-34. https://doi.org/10.1186/s41938-020-00239-8. | |
| 13 | 2020 | Dhanapal, R., Sai Ram Kumar, D.V., Lakshmipathy, R., Sandhya Rani, C and Manoj Kumar, V. 2020. Isolation of indigenous strains of the white halo fungus as a biological control agent against 3rd instar larvae of tobacco caterpillar, Spodoptera litura (Fab.) (Lepidoptera: Noctuidae). *Egyptian Journal of Biological Pest Control* (2020) 30-89. https://doi.org/10.1186/s41938-020-00286-1. | 6.38 |
| 14 | 2020 | Manisha, B. L., Visalakshi, M. M., Sairam Kumar, D. V., Kishore Varma P. 2020.Resource Efficient and Cost Reduction Technology for *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) Production. 2020. *Journal of Biological Control*. 34, (1) (2020) DOI: 10.18311/jbc/2020/23164 | 5.34 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1. | --- | Jyothi Sarah Jacob (@ KAU) | Isolation and Characterisation of native isolates of *Bacillus thuringiensis* Berliner from Western ghats of Kerala. |
| 2. | BAM/08-29 | DSSSRR Raj Kumar | Field efficacy of some newer insecticides and their combination products against major insect pests of rice and their natural enemies |
| 3. | BAM/12-32 | M. Muthu Kumar | Studies on management of Angoumois grain moth , *Sitotroga cerealella* and lesser grain borer, *Rhyzopertha dominica* in paddy during storage |
| 4. | BAM/12-31 | Ch. Jyothi | Influence of different dates of sowing and management of whitefly (*Bamisia tabaci*) in black gram (*Vigna mungo*) |
| 5. | BAM/13-29 | R. Dhanapal | Isolation and characterization of Entomopathogenic fungi from soils of Coastal Andhra Pradesh |
| 6. | BAM/14-31 | S. Ramesh Babu | Studies on development of Resistance to insecticides in lesser grain borer, *Rhyzopertha dominica*(Bostrichidae, Coleoptera) |
| 7. | BAM/16-48 | P. Ravichandra Reddy | Field Screening of groundnut genotypes against leafminer ( *Aproaerema modicella*) and its management with insecticides |
| 8. | BAM/17-34 | S. Pavani | Isolation and characterization of native isolates of Bacillus thuringiensis from cotton cultivated soils of Guntur district, AP |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2018 | Best Poster Presentation Award for the article entitled "Resource efficient and cost reduction technology for *Trichogramma chilonis* Ishii production" authored by Manisha B.L. , Visalakshi. M, Sairam Kumar D.V., and Kishore Varma. P. during the 1st Intl. Conference on Biological Control held at Bengaluru, India. | Soc. of Biocontrol Advancement & NBAIR, Bengaluru, India ( 27-29, Sep, 2018) |
| 2. | 2020 | First Best Poster Presentation Award for the article entitled "Availability and constant supply of Trichogramma chilonis production at rapid rates using eri silkworm as an alternate host with superior morphogenetic traits" authored by Manisha B.L. , Visalakshi. M, Sairam Kumar D.V., and Kishore Varma. P. during the XVII-AZRA International Conference held at UAS Raichur, Karnataka, India. | Applied Zool. Res. Assn. & Ent. Soc. of India & University of Agricultural Sciences, Raichur, Karnataka (12-14 Feb, 2020) |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S. No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2020 | XVII-AZRA International Conference on "Frontier Researvh in Applied Zoology and IPM strategies: A way forward for Food and Nutritional Security"- Presented a Poster publication entitled "Isolation and characterization of native isolates of *Bacillus thuringiensis* and evaluation of their insecticidal activity against *Spodoptera litura*" Authored by " Pavani, S, Sai Ram Kumar, D.V., Ratna Kumari, B and Prasanna Kumari, V | Applied Zool. Res. Assn. & Ent. Soc. of India & University of Agricultural Sciences, Raichur, Karnataka (12-14 Feb, 2020) |
| 3. | 2020 | International Seminar on "Transboundary Pest Management-2020 (ISTPM)- Presented a Poster Publication entitled "Field evaluation of native and commercial Bt and fungal formulations to manage fall armyworm, *Spodopteral frugiperda* (Noctuidae: Lepidoptera)on maize" Authored by " Harika, B, Sai Ram Kumar, D.V., Ratna Kumari, B and Prasanna Kumari, V. | Tamilnadu Agricultural University, Coimbatore & Entomological Soc. of India |
| 4. | 2018 | First International Conference on Biological Control – Approaches and Applications- Presented a poster publication entitled | Soc. of Biocontrol Advancement & NBAIR, Bengaluru, |

| | | | |
|---|---|---|---|
| | | "Pathogenicity of indigenous isolates of entomopathogenic fungi, *Lecanicillium lecanii* against tobacco caterpillar, *Spodoptera litura"* authored by Dhanapal R, Sai Ram Kumar D V, Sandhya Rani Ch , Manoj Kumar R and Lakshmipathy R | India (27-29, Sep, 2018) |
| 5. | 2018 | First International Conference on Biological Control – Approaches and Applications- Presented a poster publication entitled "Resource efficient and cost reduction technology for *Trichogramma chilonis* Ishii production" authored by Manisha B.L. , Visalakshi. M, Sairam Kumar D.V., and Kishore Varma. P. | Soc. of Biocontrol Advancement & NBAIR, Bengaluru, India ( 27-29, Sep, 2018) |

| **NAME OF THE STAFF** | **DR CHORAGUDI SANDHYA RANI** | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 06.07.2002 | |
| Highest Educational Qualification | PhD in Agricultural Entomology | |
| Experience | Total (Yrs) | 18 |
| | Teaching (yrs) | 07 |
| Number of Peer reviewed publications with **5.0** or above NAAS rating | Total | 25 |
| | Last 5 years | (9)Table below |
| Number of M.Sc & Ph.D students Guided | Total | 23 |
| | Last 5 years | 15 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S. No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2015 | Sandhya Rani, C., RamachandraRao, G., Chalam, M.S.V., Anil Kumar, P and Srinivasa Rao, V.2015. Field Screening of Greengram Genotypes against *Maruca vitrata* in Summer. *Journal of Agriculture and Crop Science.* 1(2): 18-25. | impact factor 0.876 |
| 2 | 2015 | Sandhya Rani, C., RamachandraRao, G., Chalam, M.S.V., Anil Kumar, P and Srinivasa Rao, V.2015. Estimation of avoidable losses due to *Marucavitrata* (G.) in summer greengram. *Indian Journal of Biological Sciences* (An International Journal) 4(1):1-5. | 5.07 |
| 3 | 2017 | Deekshita, K., Ramarao, C.V and Rani, C.S.2017. Evaluation of newer insecticides against brown plant hopper, *Nilaparvathalugens* (Stal.) infesting rice. *Chemical Science Review and Letters.* 6(23): 1423-1427. | 5.21 |
| 4 | 2017 | Deekshita, K., Ramarao, C.V., Rani, C.S and Kumari, V.P.2017. Effect of new insecticide molecules on predators of rice ecosystem. *Journal of Entomology and zoology.* 5(4): 1617-1620. | 5.53 |
| 5 | 2018 | Reddy, D.V.C., Sreekanth, M., Rani, C.S., Rao, G.R. and Adinarayana, M.2018. Assessment of pigeonpea seed traits for resistance to | 5.53 |

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|---|---|---|---|
| | | podfly, *Melanagromyzaobtusa* (Malloch). *Journal of Entomology and Zoology Studies*. 6(2): 1840-1843 | |
| 6 | 2019 | Yogeswari, P., Sandhya Rani, C and Rama Chandra Rao, G. 2019. Performance of sorghum genotypes under zero tillage conditions in rice fallows with reference to stem borer, *Chilopartellus*. *Current Science*. 117 (4): 692-698. | 6.88 |
| 7 | 2019 | Yogeswari, P., Sandhya Rani, C., Rama Chandra Rao, G and Manoj Kumar, V. 2019. Influence of bio-physical factors on shoot fly infestation in different sorghum genotypes cultivated under zero tillage in rice fallows. *Journal of Entomology and Zoology studies*. 7 (1): 800-811. | 5.53 |
| 8 | 2020 | Dhanapal, R., Sai Ram Kumar, D.V., Lakshmipathy, R., Sandhya Rani, C and Manoj Kumar, V. 2020. Exploration of indigenous strains of the green muscardine fungus from soils and their pathogenicity against the tobacco caterpillar, Spodoptera litura (Fab.) (Lepidoptera: Noctuidae). *Egyptian Journal of Biological Pest Control* (2020)30-34. https://doi.org/10.1186/s41938-020-00239-8. | 6.38 |
| 9 | 2020 | Dhanapal, R., Sai Ram Kumar, D.V., Lakshmipathy, R., Sandhya Rani, C and Manoj Kumar, V. 2020. Isolation of indigenous strains of the white halo fungus as a biological control agent against 3rd instar larvae of tobacco caterpillar, Spodoptera litura (Fab.) (Lepidoptera: Noctuidae). *Egyptian Journal of Biological Pest Control* (2020) 30-89. https://doi.org/10.1186/s41938-020-00286-1. | 6.38 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| ID Number | Name of the student | Thesis Title |
|---|---|---|
| BAM-13-36 | Yogeswari,P | Performance of sorghum genotypes (*Sorghum bicolor*) L. Moench) in rice -fallow under zero tillage condition against shoot fly & stem borer. |
| BAM-14-34 | SudhaRani,Ch | Taxonomic studies of predacious Coccinellid species on Pulses in Guntur district. |
| BAM-15-41 | Swaroopa, K. | Influence of weather parameters on the incidence of insect pests in Groundnut (*Arachis hypogea*)- Cowpea (*Vignaungiculata*) intercropping |
| BAM-16-45 | NeethuNatarajan (ICAR) | Studies on field screening of sorghum genotypes against shoot fly & stem borer and their management with aqueous organic extracts |
| BAM-17-36 | Sharmila,Y | Studies on the incidence of major insect pests, natural enemies in groundnut and their management |
| BAM-18-38 | N.V.V.N. Mounika, | Survey on incidence of major insect pests and natural enemies in direct seeded rice and studies on effect of |

| | | |
|---|---|---|
| | | aqueous leaf extracts against them |
| BAM-19-34 | NeethirajanAnitha | Studies on biological control of fall army worm, *Spodopterafrugiperda* (J. E. SMITH) (LEPIDOPTERA: NOCTUIDAE) in maize |
| BAD-19-15 | Anusha B | Studies on Insecticide Resistance against brown planthopper, *Nilaparvatalugens* (Stal) (Hemiptera: Delphacidae) in Rice. |

**Participation in Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S. No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | Training cum awareness programme on "Plant Variety Protection and DUS on 28.02.2015 | Ag. College, Bapatla & PPVFRA,GOI, N.Delhi |
| 2 | 2016 | International workshop on "Parasitic Hymenoptera How and where they are? from 21.09.15 to 25.09.15 | Annamalai University, Chidambaram,Tamil Nadu |
| 3 | 2016 | Training on Data Analysis using statistical Packages from 30.05.16 to 04.06.2016 | Dept. of Statistics, Ag. College, Bapatla |
| 4 | 2016 | Diagnosis and management of insect pests, diseases and nutritional disorders of major crops' from 8th to 12th August 2016 for the plant protection/ ToT Scientists working at DAATTCs and KVKs of ANGRAU | Agricultural College, Bapatla |
| 5 | 2017 | e - Health Initiatives of AP at from 27.02.17 to 28.02.17 | APHRDI, Bapatla |
| 6 | 2017 | National Women's Parliament from 10.02.17 to 12.02.17 along with five UG girl students Vide Roc.No.A5/62/2017, Dt. 09-02-17 of the Associate Dean, Agricultural College, Bapatla. | GOI at Ibrahimpatnam, Vijayawada |
| 7 | 2017 | Workshop on "Soft skills for Career success" on 03.04.17 FN. | ANGRAU |
| 8 | 2017 | Agri-carnival for the theme Doubling the Farm Income – ways and means. on 03.05.17. | Ag. College, Bapatla |
| 9 | 2017 | 14th National Youth Parliament competitions on 10.05.17 | Auditorium Ag. College, Bapatla |
| 10 | 2017 | AP Agri Tech Summit, 2017 along with 35 (20 Girls+15 boys) students from 15.11.17 to 17.11.17 | ANGRAU |
| 11 | 2017 | Imparted training on"Integrated Pest Management in oilseed crops to farmers from 7.12.17 to 8.12.17 | National Mission on Oilseeds&FTC, Bapatla |
| 12 | 2018 | Agri-carnival for the theme Doubling the Farmers' Income on 09.10.2018 | Ag. College, Bapatla |

| | | | |
|---|---|---|---|
| 13 | 2019 | Strategic approached for developing world class Agricultural Universities, 19-20 March 2019 | ANGRAU |
| 14 | 2020 | Awareness Training Programme on Importance of cultivation & value addition in Millets to farmers on 08.01.2020 | ICAR |

| **NAME OF THE STAFF** | **R.BALAMURALIDHAR NAIK** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 08.09.2005 | |
| Highest Educational Qualification | Msc. (Ag) | |
| Experience | Total (Yrs) | 14 years, 11 months |
| | Teaching (yrs) | 3 years 5 months |

| **Name of the Staff** | **Dr. B. Ratna Kumari** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 10.05.2013 | |
| Highest Educational Qualification | Ph.D. | |
| Experience | Total (Yrs) | 7 |
| | Teaching (yrs) | 3 |
| Number of Peer reviewed publications with **5.0** or above NAAS rating | Total | 3 |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 4 |
| | Last 5 years | 4 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2016 | Ratna Kumari B., Ranga Rao G. V., Sahrawat K. L., Rajasekhar P., Rameshwar, V and Wani ,S. P. 2016. Farmers' perception of plant protection in Ranga Reddy district of Telangana, India. *Indian Journal of Plant Protection.* 44 (2):1-6. | 5.07 |
| 2 | 2016 | Sathya, M, Vijayabharathi, S., Ratna Kumari, B., Srinivas, V., Sharma, H.C., Sathyadevi, P and Gopalakrishnan, S. 2016. Assessment of a diketopiperazine, cyclo(TrpPhe) from *Streptomyces griseoplanus* SAI25 against cotton bollworm, *Helicoverpa armigera* (Lepidoptera: Noctuidae). *Applied Entomology and Zoology.* 51:11–20. | 6.86 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM/17-32 | B. Lavanaya | Studies on mealybug complex in cotton and |

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| | | | management of *Phenacoccus solenopsis,* Tinsley |
| 2 | BAM/18-41 | P. Vijay Babu | Studies on management of insect pests of tomato and determination of insecticide residues |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | International Rice Symposium | Indian Institute of Rice Research |
| 2 | 2016 | Conference on National Priorities in Plant Health Management | Plant Protection Association of India |
| 3 | 2016 | National Symposium- AGMET 2016 on Climate driven Food Production Systems, Agrometeorological interventions | Association of Agrometeorologists, TNAU |
| 4 | 2018 | 21 days training on 'Capitilizing pesticide benefits for safer environment' | TNAU, Coimbatore |
| 5 | 2019 | 5th National Asian PGPR Conference for Sustainable and Organic Agriculutur | Dept. Of Botany and Microbiology, Acharya Nagarjuna University, Guntur and India Chapter of Asian PGPR Society |
| 6 | 2020 | Innovations in Agriculture for Rural Development (IARD) | Andhra Agricultural Journal, Ag College, Bapatla |

## DEPARTMENT OF ENTOMOLOGY

### Information on list of publications (last 5 years; 2015 onwards)

| S.No | Year | Title of the publication | NAAS rating |
|---|---|---|---|
| 1 | 2015 | Nataraj, M.V., Chalam, M.S.V, Madhumathi, T and Srinivas Rao, V. 2015. Bio efficacy of new insecticides against major pests of okra. *Indian Journal of Plant Protection.* 43(2): 233-236. | 5.07 |
| 2 | 2015 | Ramalakshmi, V., Prasad, G.M.V and Madhumathi, T. 2015. Estimation of yield losses due to sucking pests in transgenic cotton. *Indian Journal of Plant Protection.* 43 (1): 98-100. | 5.07 |
| 3 | 2015 | Sandhya Rani, C., Ramachandra Rao, G., Chalam, M.S.V., Anil Kumar, P and Srinivasa Rao V.2015. Efficacy of sprays at bud initiation stage with certain indigenous leaf extracts and newer insecticides against *Maruca vitrata* (G.) in Greengram. *Indian Journal of plant Protection*. 43 (1): 12-16. | 5.07 |
| 4 | 2015 | Sandhya Rani, C., RamachandraRao, G., Chalam, M.S.V., Anil Kumar, P and Srinivasa Rao, V.2015. Field Screening of Greengram Genotypes against *Maruca vitrata* in Summer. *Journal of Agriculture and Crop Science.* 1(2): 18-25. | if 0.876 |
| 5 | 2015 | Sandhya Rani, C., RamachandraRao, G., Chalam, M.S.V., Anil Kumar, P and Srinivasa Rao, V.2015. Estimation of avoidable losses due to *Marucavitrata* (G.) in summer greengram. *Indian Journal of Biological Sciences* (An International Journal) 4(1):1-5. | 5.07 |
| 6 | 2016 | Paramasiva, I., Abdul Rashid War., Krishnayya, P. V and Sharma, H.C. 2016. Aqueous Washings of Host Plant Surface Influence the Inhibitory Effects of δ–Endotoxins of *Bacillus thuringiensis* against *Helicoverpa armigera. Entomologia Experimentalis et Applicata* 1-13. | 7.44 |
| 7 | 2016 | Ratna Kumari B., Ranga Rao G. V., Sahrawat K. L., Rajasekhar P., Rameshwar, V and Wani ,S. P. 2016. Farmers' perception of plant protection in Ranga Reddy district of Telangana, India. *Indian Journal of Plant Protection.* 44 (2):1-6. | 5.07 |
| 8 | 2016 | Sathya, M, Vijayabharathi, S., Ratna Kumari, B., Srinivas, V., Sharma, H.C., Sathyadevi, P and Gopalakrishnan, S. 2016. Assessment of a diketopiperazine, cyclo(TrpPhe) from *Streptomyces griseoplanus* SAI25 against cotton bollworm, *Helicoverpa armigera* (Lepidoptera: Noctuidae). *Applied Entomology and Zoology.* 51:11–20. | 6.86 |
| 9 | 2017 | Anand Kumar, K., Prabhu Prasadini, P., Lakshmipathy, R., Thrimurthulu, N and Ramachandra Rao, G. 2017. Effect of textile sludge application on soil microbial properties. *International Journal of Current Microbiology and* | 5.38 |

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| | | *Applied Sciences.* 6 (12): 2006-2012. | |
| 10 | 2017 | Anusha, S., Prasada Rao, G.M.V. and Sai Ram Kumar, D. V.2017. Influence of different nitrogen levels on the management of *Bt* cotton sucking pests. *Journal of Entomology and Zoology Studies.* 5(2): 16-21. | 5.53 |
| 11 | 2017 | Chaitanya, N., Gopalaswamy, S.V.S and Madhumathi, T.2017. Effect of modified atmosphere on cigarette beetle *Lasioderma serricorne* (F.) in stored turmeric. *Indian Journal of Entomology.* 79 (2): 202-207. | 5.89 |
| 12 | 2017 | Deekshita, K., Ramarao, C.V and Rani, C.S.2017. Evaluation of newer insecticides against brown plant hopper, *Nilaparvathalugens* (Stal.) infesting rice. *Chemical Science Review and Letters.* 6(23): 1423-1427. | 5.21 |
| 13 | 2017 | Deekshita, K., Ramarao, C.V., Rani, C.S and Kumari, V.P.2017. Effect of new insecticide molecules on predators of rice ecosystem. *Journal of Entomology and zoology.* 5(4): 1617-1620. | 5.53 |
| 14 | 2017 | DivyaBharathi, T., Krishnayya, P. V and Madhumathi, T. 2017. Developmental response of *Callosobruchus maculatu* F. and *C. chinensis* L. on different Pulse host-grains. *Chemical Science Review and Letters.* 6(22), 786-792. | 5.21 |
| 15 | 2017 | DivyaBharathi, T., Krishnayya, P. V and Madhumathi, T. 2017. Developmental Response of *Callosobruchus maculatus* F. and *C. chinensis* L. on Different Pulse Host-Grains *Chem Sci Rev Lett*6(22), 786-792. | 5.21 |
| 16 | 2017 | Muthukumar, M., Sai Ram Kumar, D. V., Madhumathi, T and Lal Ahmed, M. 2017. Biology of Angoumois Grain Moth *Sitotroga Cerealella* (Oliver) on Rice Varieties. *Indian Journal of Entomology* 79(3):253-256 | 5.89 |
| 17 | 2017 | Paramasiva, I., Krishnayya, P. V and Sharma, H.C.2017. Variation in brush border membrane vesicle receptors and activity of proteolytic enzymes in relation to toxicity of *Bt* toxins to *Helicoverpa armigera* larvae. *Journal of Entomology and Zoology Studies.* 5 (4): 1589-1594. | 5.53 |
| 18 | 2017 | Ramesh Babu, S., Sai Ram Kumar, D. V., Naga Satya Sri, Ch and Madhumathi, T. 2017. Evaluation of spinosad against malathion and deltamethrin resistant population of Lesser grain borer, *Rhyzopertha dominica* in Andhra Pradesh, India. *International Journal of Current Microbiology and Applied Sciences.* 6(6):165-71. | 5.38 |
| 19 | 2017 | Ramesh Babu, S., Sai Ram Kumar, D.V., Madhumathi, T., Manoj Kumar, V and Lakshmipathy R. Status of insecticide resistance in lesser grain borer, *Rhyzopertha dominica* to malathion and deltamethrin in Andhra Pradesh. *Journal of Entomology and Zoology Studies*7; 5(4): 741-746. | 5.53 |
| 20 | 2017 | Sudhakar, K., Sreenivasa Rao, Ch., Shashi Bhushan, V and Narayana Reddy, P. 2017. Dissipation kinetics and decontamination of phosalone residues from tomato under green house and open field conditions. *Journal of Entomology and Zoology studies*. 5(5): 1769-1772. | 5.53 |
| 21 | 2017 | Sudhakar, K., Sreenivasa Rao, Ch., Shashi Bhushan, V and Narayana Reddy, P. 2017. Evaluation of decontamination methods for removal of pesticide residues from tomato *Solanum lycopersicum. Journal of* | 5.53 |

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| | | *Entomology and Zoology studies*. 5 (6): 1966-1970. | |
| 22 | 2017 | Sudhakar, K., Sreenivasa Rao, Ch., Shashi Bhushan, V and Narayana Reddy, P. 2017. Residues, risk assessment and decontamination of lambda cyhalothrin residues from tomato fruits. *Journal of Entomology and Zoology studies*. 5(5): 1764-1768. | 5.53 |
| 23 | 2018 | Amani, J., Kishore Babu, G., Lakshmipathy, R., Ramachandra Rao, G and Chandrasekhar, K. 2018. Effect of cement dust deposition on soil microbial properties. *International Journal of Current Microbiology.* 7(10):1230-1234. | 5.38 |
| 24 | 2018 | Anil Kumar, K., Sarma, A.S.R., Madhumathi, T and Prasanna Kumari, V. 2018. Study on efficacy of pesticide mixtures as foliar Sprays for the management of Rice Leaf Folder (*Cnaphalocrocis medinalis*) and Leaf Blast (*Pyricularia oryzae*) on Paddy. *International Journal of Current Microbiology and Applied Sciences.* 7(11): 2163-2175. | 5.38 |
| 25 | 2018 | Appala Raju K, Krishnayya P.V, Sai Ram Kumar, D.V., Krishnaveni, B and Manoj Kumar, V. 2018. Correlation studies and multiple linear regression analysis of rice leaf folder, *Cnaphalocrocis medinalis* (Guenee) incidence with morphological characters of leaves of the rice varieties. *Journal of Pharmacognosy and Phytochemistry*. 7(3): 2516-2521. | 5.21 |
| 26 | 2018 | Appala Raju K, Krishnayya P.V., Sai Ram Kumar, D.V., Krishnaveni, B and Manoj Kumar, V. Screening of the recent rice varieties against leaf folder, *Cnaphalocrocis medinalis* Guenee (Pyralidae: Lepidoptera). *Journal of Entomology and Zoology Studies*. 6(3): 817-820. | 5.53 |
| 27 | 2018 | Appala Raju, K., Krishnayya P.V., Sai Ram Kumar D.V., Krishnaveni, B and Manoj Kumar, V.2018. Correlation studies and multiple linear regression analysis of rice leaf folder, *Cnaphalocrocis medinalis* (Guenee) incidence with biochemical characters of leaves of the rice varieties. *International Journal of Chemical Studies.* 6(5): 3133-3138. | 5.44 |
| 28 | 2018 | Jesu Rajan, S., Sree Latha, E., Vijaya Raghavendra, R and Sreenivasa Rao, Ch. 2018. Biology and feeding potential of *Coccinella transversalis* (Fab.) on cabbage aphid, *Brevicoryne brassicae* (Linn.), *Journal of Entomology and Zoology Studies.* 6(6): 51-56. | 5.53 |
| 29 | 2018 | Mounica, D, Krishnayya, P.V, Srinivasa Rao, M . , Anil Kumar, P and Srinivasa Rao, V. Effect of elevated CO 2 and temperature on life-table parameters of maize aphid, *Rhopalosiphum maidis* (Fitch) (Aphididae: Hemiptera) on maize, *Zea mays* (Linn.). *Journal of Entomology and Zoology Studies.* 6(6): 1134-1138. | 5.53 |
| 30 | 2018 | Naga Satyasri, C.h, Madhumathi, T and Sai Ram Kumar, D.V. 2018. Effect of synergists Piperonylbutoxide, S'S'S' tribute phosphorotrithioate and Triphenyl phosphate on resistant Bapatla strain of *Tribolium castaneum* Herbst. *Journal of Entomology and Zoology Studies.* 6(2): 1105-1107. | 5.53 |
| 31 | 2018 | Pranyusha, B., Madhumathi, T., Krishnayya, P. V and Manoj Kumar, V. 2018. Influence of biotin binding proteins | 5.32 |

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| | | on growth and development of *Tribolium castaneum* Herbst and *Corcyra cephalonica* Stainton. *International Journal of Advanced Scientific Research.* 3(5):92-98. | |
| 32 | 2018 | Reddy, D.V.C., Sreekanth, M., Rani, C.S., Rao, G.R. and Adinarayana, M.2018. Assessment of pigeonpea seed traits for resistance to podfly, *Melanagromyzaobtusa* (Malloch). *Journal of Entomology and Zoology Studies*. 6(2): 1840-1843 | 5.53 |
| 33 | 2018 | Sai, Y., Sreekanth, M., Sai Ram Kumar, D.V and Manoj Kumar, V.2018. Bio-intensive management of *Helicoverpa armigera* (Hubner) and *Maruca vitrata* (Geyer) in Pigeonpea. *International Journal of Chemical Studies.* 6(2): 3435-3439 | 5.31 |
| 34 | 2018 | Sai, Y., Sreekanth, M., Sai Ram Kumar, D.V and Manoj Kumar, V.2018. Morphological and biochemical factors associated with resistance to *Helicoverpa armigera* (Hubner) and *Maruca vitrata* (Geyer) in Pigeonpea. *Journal of Entomology and Zoology Studies*. 6(2): 3073-3078 | 5.53 |
| 35 | 2018 | Sharma, K.K., Shashi Bhushan, V., Sreenivasa Rao, Ch., Narsimha Reddy, K., Banerjee, H., Mandal, S., Singh, B., Battu, R.S., Jyot, G., Sahoo, S.K., Mohapatra, S., Lekha, S., Manikrao, G., Radhika, B., Tripathy, V., Yadav, R., Shukla, P., Patel, A. N., Singh, G., Devi, S., Pandey, P., Gautam, R., Kalra, S., Gupta, R Singh, G ., Gopal, M and Walia, S. 2018. Persistence, dissipation and consumer risk assessment of a combination formulation of flubendiamide and deltamethrin on cucumber. *Food additives & contaminants: part A.* 35 (3): 498–511. | 8.13 |
| 36 | 2018 | Suneel Kumar, G.V and Madhumathi, T. 2018. Life tables of the spotted stem borer, *Chilo partellus* (Swinhoe) on maize cultivars. *Indian Journal of Entomology.* 80(4) 1341 – 1350. | 5.89 |
| 37 | 2019 | Anil Kumar, K., Madhumathi, T., Sai Ram Kumar, D.V., Raj Kumar, N and Nafeez Umar, Sk. Survey on the infestation of *Chilo partellus* (Swinhoe) in Krishna and Guntur districts of Andhra Pradesh. *International Journal of Current Microbiology and Applied Sciences*. 8 (6): 3131-3135. | 5.38 |
| 38 | 2019 | Baby Rani, G., Naga Satya Sri, Ch., Rishita, Y., Saikia, N and Sreenivasa Rao, Ch. 2019. Domestic methods for the removal of pesticide residues in chillies. *Journal of Pharmacognosy and Phytochemistry.* 8(4); 2690-2693. | 5.21 |
| 39 | 2019 | Dakshayani, T., Lakshmi G.V., Ramachandra Rao, G and Vijaya Gopal, A. 2019. Effect of industrial dairy effluent on soil properties in Guntur district of Andhra Pradesh, India. *International Journal of Chemical Studies.* 7(4):2237-2239. | 5.44 |
| 40 | 2019 | Deekshita, K., Krishnayya, P.V., Srinivasa Rao, M., Anil Kumar, P and Nafeez Umar, Sk. 2019. Effect of sublethal concentrations of insecticides on the larval and pupal duration of *Spodoptera litura* under eCO 2 and eTemp conditions. *International Journal of Current Microbiology and Applied Sciences.* 8(7): 1668-1677. | 5.30 |

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| 41 | 2019 | Jesu Rajan, S., Sree Latha,. E, Sneha Madhuri, K., Vijaya Raghavendra, R and Sreenivasa Rao, Ch. 2019. Predatory coccinellids diversity in organic vegetable farming systems: Conservation and mass production. *Journal of Entomology and Zoology Studies.* 7(1): 1148-1151. | 5.53 |
| 42 | 2019 | Krishan Kumar, S., Tripathy, V., Sreenivasa Rao, Ch., Shashi Bhushan, V., Narasimha Reddy, K., Jyot, G., Sahoo, S. K., Balwinder Singh, B., Mandal, K., Banerjee, H., Banerjee, T., Bhattacharya, S., George, T., Beevi, N., Sharma, K., Tayade, A., Gopal, M and Walia, S. 2019. Persistence, dissipation, and risk assessment of a combination formulation of trifloxystrobin and tebuconazole fungicides in/on tomato. *Regulatory Toxicology and Pharmacology*. 108. 104471. | 7.80 |
| 43 | 2019 | Neeraja, K., Ramachandra Rao, G., Lakshmi, G.Vand Lakshmipathy R. 2019. Effect of sewage water irrigation on soil health in periurban areas of Guntur, Andhra Pradesh. *International Journal of Chemical Studies.* 7(4):2131-2133. | 5.44 |
| 44 | 2019 | Ravi Kumar, V., Madhumathi, T., Sai Ram Kumar, D.V., Anil Kumar, P and Martin Luther, M. 2019. Ovipositional preference and larval survival of maize stem borer, *Chilo partellus* (Swinhoe) on different trap crops. International *Journal of Current Microbiology and Applied Sciences.* 8 (6): 3149-3153 | 5.38 |
| 45 | 2019 | Reddy, L.P.V., Rao, S.R.K., Krishna, T. M., Sreenivasa Rao, Ch., Padmodaya, B and Naidu, G.M. 2019. Bioefficacy of certain insecticides against rice yellow stem borer, *Scirpophaga incertulas* (Walker). *Journal of Pharmacognosy and Phytochemistry.* 8(4): 2625-2628. | 5.21 |
| 46 | 2019 | Reddy, L.P.V., Rao, S.R.K., Krishna, T. M., Sreenivasa Rao, Ch., Padmodaya, B and Naidu, G. M. 2019. Field evaluation of certain insecticides against rice yellow stem borer, *Scirpophaga incertulas* (Walker). *Journal of Entomology and Zoology Studies.* 7(41): 913-916. | 5.53 |
| 47 | 2019 | Sree Latha, E., Jesu Rajan S., Narsi Reddy M., Sneha Madhuri , K and Sreenivasa Rao, Ch. 2019. Conservation Biological Control: Effect of bio fertilizers and bio pesticides in organic Ecological Engineering Field of Okra (*Abelmoschus esculentus* (L.) Moench). *International Journal of Current Microbiology and Applied Sciences.* 8 (1): 548-555. | 5.38 |
| 48 | 2019 | Tebesi, P.R., Ramachandra Rao, G., Lakshmi, G.V and Chandrasekhar, K. 2019. Effect of Aquaculture on groundwater quality in Guntur district of Andhra Pradesh, India. *International Journal of Chemical Studies.* 7(4):525-529. | 5.44 |
| 49 | 2019 | Vasundhara, K., Lakshmi, G.V., Ramachandra Rao, G and Kishore Babu, G. 2019. Characterization of Guntur urban compost and its suitability to different crops" *International Journal of Chemical Studies.* 7(4):2234-2236. | 5.44 |

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| 50 | 2019 | Yogeswari, P., Sandhya Rani, C and Rama Chandra Rao, G. 2019. Performance of sorghum genotypes under zero tillage conditions in rice fallows with reference to stem borer, *Chilopartellus*. *Current Science*. 117 (4): 692-698. | 6.88 |
| 51 | 2019 | Yogeswari, P., Sandhya Rani, C., Rama Chandra Rao, G and Manoj Kumar, V. 2019. Influence of bio-physical factors on shoot fly infestation in different sorghum genotypes cultivated under zero tillage in rice fallows. *Journal of Entomology and Zoology studies*. 7 (1): 800-811. | 5.53 |
| 52 | 2020 | Chakraborty, D and Madhumathi, T. 2020. Present scenario of insecticide resistance in Rusty Grain Beetle, *Cryptolestes ferrugenius* (Stephens) to malathion and deltamethrin in Andhra Pradesh, India. *International Journal of Current Microbiology and Applied Sciences* 9 (6): 4180-4188. | 5.53 |
| 53 | 2020 | Chakraborty, D., Madhumathi, T and Gopalaswamy, S.V.S. 2020, Toxicity evaluation of spinosad against malathion and deltamethrin resistant population of rusty grain beetle, *Cryptolestes ferrugenius* (Stephens) in Andhra Pradesh, India *Journal of Entomology and Zoology Studies*. 8(4): 141-144. | 5.53 |
| 54 | 2020 | Chakraborty, D., Madhumathi, T., Gopalaswamy, S.V.S and Prasanna Kumari, V. 2020. Growth, development and progeny production of Rusty grain beetle, *Cryptolestes ferrugineus* (Stephens) on broken, flour and whole maize. *Journal of Entomology and Zoology Studies.* 8(4): 151-154. | 5.53 |
| 55 | 2020 | Dhanapal, R., Sai Ram Kumar, D.V., Lakshmipathy, R., Sandhya Rani, C and Manoj Kumar, V. 2020. Exploration of indigenous strains of the green muscardine fungus from soils and their pathogenicity against the tobacco caterpillar, *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *Egyptian Journal of Biological Pest Control* (2020)30-34. https://doi.org/10.1186/s41938-020-00239-8. | 6.38 |
| 56 | 2020 | Dhanapal, R., Sai Ram Kumar, D.V., Lakshmipathy, R., Sandhya Rani, C and Manoj Kumar, V. 2020. Isolation of indigenous strains of the white halo fungus as a biological control agent against 3rd instar larvae of tobacco caterpillar, *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *Egyptian Journal of Biological Pest Control* (2020) 30-89. https://doi.org/10.1186/s41938-020-00286-1. | 6.38 |
| 57 | 2020 | Manisha, B. L., Visalakshi, M. M., Sai Ram Kumar, D.V and Kishore Varma P. 2020. Resource efficient and cost reduction technology for *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) production. *Journal of Biological Control*. 34, (1) (2020) DOI: 10.18311/jbc/2020/23164 | 5.34 |
| 58 | 2020 | Sudha Rani, D., Chiranjeevi, Ch., Madhumathi, T., Krishnam Raju, S and Nafeez Umar, Sk. 2020 Biochemical analysis for rice germplasm lines for combat against Yellow stem borer, *Scirpophaga incertulas*: Implication for varietal selection of Rice in India *International Research Journal of Pure & Applied Chemistry.* 21(7): 41-51. | 5.38 |

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| 59 | 2020 | Sudha Rani, D., Chiranjeevi, Ch., Madhumathi, T., Krishnam Raju, S and Nafeez Umar, Sk. 2020. Identification of Rice genotypes for resistance against Yellow stem borer in irrigated rice. *International Journal of Current Microbiology and Applied Sciences* 9(5): 1627-1643. | 5.38 |
| 60 | 2020 | Sudha Rani D., Chiranjeevi, Ch., Madhumathi, T and Krishnam Raju, S and Nafeez Umar, Sk. 2020. Screening of rice germplasm against yellow stem borer, *Scirpophaga incertulas* (Walker) (Crambidae: Lepidoptera). *Journal of Entomology and Zoology Studies*. 8 (2): 1687-1692. | 5.53 |

**Information on awards / recognitions / certifcates**
**(last 5 years; 2015 onwards)**

| S.No | Year | Name of the Staff | Type of Recognition |
|---|---|---|---|
| 1 | 2015 | Dr Cherukuri Sreenivasa Rao | Best Session Paper in 4th International Conference on Agricultural and Environment Engineering (ICFAE, 15) at Bali, Indonesia, during 7-8 May, 2015 |
| 2 | 2015 | Dr Cherukuri Sreenivasa Rao | FTAPCCI Excellence Award by The Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry (FTAPCCI) – Excellence in Science Award for Outstanding Contribution in Food Safety and Pesticide Residues |
| 3 | 2016 | Dr Cherukuri Sreenivasa Rao | Certificate of Excellence in Reviewing Plant Protection Association of India for Indian Journal of Plant Protection |
| 4 | 2016 | Dr Cherukuri Sreenivasa Rao | Certificate of Appreciation by USDA, for conducting training program on Pesticide Residues in Food Crops and Dietary Risk Assessment as Master Trainer to officials of Ministry of Agriculture, Malaysia |
| 5 | 2016 | Dr G Ramachandra Rao | Ugadi Purskaram by State Govt. |
| 6 | 2016 | Dr G Ramachandra Rao | Rytunestam foundation Dr.I.V.Subbarao memorial Rytunestam puraskaram |
| 7 | 2017 | Dr P V Krishnayya, Professor | Ugadipuraskaram by Government of Andhra Pradesh |
| 8 | 2017 | Dr Cherukuri Sreenivasa Rao | Certificate of Contribution by NIRD & PR – for drafting Qualification Pack for Structural Pest Management Technician Course |
| 9 | 2018 | Dr D V Sai Ram Kumar | Best Poster Presentation Award for the article entitled "Resource efficient and cost reduction technology for *Trichogramma chilonis* Ishii production" 1st Intl. Conference on Biological Control held at Bengaluru, By Soc. of Biocontrol Advancement & NBAIR, |

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| | | | Bengaluru, India. |
| 10 | 2019 | Dr G Ramachandra Rao | State Best Teacher Award in Agriculture category by State Govt |
| 11 | 2020 | | First Best Poster Presentation Award for the article entitled "Availability and constant supply of Trichogramma chilonis production at rapid rates using eri silkworm as an alternate host with superior morphogenetic traits" during the XVII-AZRA International Conference held at UAS Raichur, Karnataka, India |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments (last 5 years; 2015 onwards)**

| S.No | Year | Name of the staff | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2015 | Dr Cherukuri Sreenivasa Rao | 4th International Conference on Agricultural and Environment Engineering (ICFAE, 15); Bali, Indonesia; 7-8 May, 2015 | ISAET |
| 2 | 2015 | Dr Cherukuri Sreenivasa Rao | 9th Annual Workshop of Central Sector Scheme "Monitoring of Pesticide Residues at National Level"; Trivendrum; 28th May, 2015 | DAC, GOI |
| 3 | 2015 | Dr Cherukuri Sreenivasa Rao | 23rd Annual Workshop on AINP on Pesticide Residues"; Trivendrum; 29th May, 2015 | ICAR |
| 4 | 2015 | Dr T Madhumathi | Future Technologies: Indian Cotton in the Next Decade | RARS, Lam |
| 5 | 2015 | Dr B Ratna Kumari, Assistant Professor | International Rice Symposium | Indian Institute of Rice Research |
| 6 | 2016 | Dr Ch Chiranjeevi | Training on Data Analysis using statistical Packages from 30.05.16 to 04.06.2016 | Ag. College, Bapatla |
| 7 | 2016 | Dr Ch Chiranjeevi | Diagnosis and management of insect pests, diseases and nutritional disorders of major crops' from 8th to 12th August 2016 for the plant protection/ ToT Scientists working at DAATTCs and KVKs of ANGRAU | Agricultural College, Bapatla |
| 8 | 2016 | Dr Cherukuri Sreenivasa Rao | First Advisory Committee Meeting "EU-CITD PT Providers"; FDA Bhavan, New Delhi; 23rd Feb, 2016 | FSSAI |
| 9 | 2016 | Dr Cherukuri | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 29 Mar 2016 | FSSAI |

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| | | Sreenivasa Rao | | |
| 10 | 2016 | Dr Cherukuri Sreenivasa Rao | Annual Workshop "AINP on Pesticide Residues" and MPRNL Scheme; PAU-Ludhiana; 25-27 May 2016 | DAC, GOI & ICAR |
| 11 | 2016 | Dr Cherukuri Sreenivasa Rao | Technical Committee Meeting of MPRNL Scheme; Krishi Bhavan, New Delhi; 29 June 2016 | DAC, GOI |
| 12 | 2016 | Dr Cherukuri Sreenivasa Rao | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 30 June 2016 | FSSAI |
| 13 | 2016 | Dr Cherukuri Sreenivasa Rao | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 27 July 2016 | FSSAI |
| 14 | 2016 | Dr Cherukuri Sreenivasa Rao | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 31 August 2016 | FSSAI |
| 15 | 2016 | Dr Cherukuri Sreenivasa Rao | Objections and Suggestions on Amendment in The Insecticide Rules, 1971; Krishi Bhavan; 4th Oct 2016 | DAC, GOI |
| 16 | 2016 | Dr Cherukuri Sreenivasa Rao | Stakeholders Meeting on Pesticide Residues in Curry Leaves; Spices Board, Guntur; 18th Octo 2016 | Spices Board |
| 17 | 2016 | Dr Cherukuri Sreenivasa Rao | WG meeting of FSSAI "SOP on MRLs"; FDA Bhavan, New Delhi; 1st Nov 2016 | FSSAI |
| 18 | 2016 | Dr B Ratna Kumari, Assistant Professor | Conference on National Priorities in Plant Health Management | Plant Protection Association of India |
| 19 | 2016 | Dr B Ratna Kumari, Assistyant Professor | AGMET 2016 on Climate driven Food Production Systems,Agrometeorological interventions | Association of Agrometeorologists, TNAU |
| 20 | 2016 | Dr T Madhumathi | 10th International Conference on 'Controlled Atmosphere and Fumigation in Stored Products' | CAF and IARI, New Delhi |
| 21 | 2016 | Dr T Madhumathi | Training prog'Diagnosis and Management of Insect pests, Diseases and nutritional disorders of major crops' | Agril College, Bapatla |
| 22 | 2016 | Dr T Madhumathi | National Conference for Post graduate Students' Techno-strategic interventions for profitable agriculture' | Agril. College, Bapatla |
| 23 | 2016 | Dr T Madhumathi | Conference on National Priorities in Plant Health Management, | PPAI, ICAR –NBPGR, |

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| | | | | Hyderabad - 500030 |
| 24 | 2016 | Dr C Sandhya Rani | International workshop on "Parasitic Hymenoptera How and where they are? from 21.09.15 to 25.09.15 | Annamalai University, Tamil Nadu |
| 25 | 2016 | Dr C Sandhya Rani | Training on Data Analysis using statistical Packages from 30.05.16 to 04.06.2016 | Dept. of Statistics, Ag. College, Bapatla |
| 26 | 2017 | Dr Ch Chiranjeevi | Workshop on "Soft skills for Career success" on 03.04.17 FN. | ANGRAU |
| 27 | 2017 | Dr Ch Chiranjeevi | Workshop on "Effective class room Management" on 03.04.17 AN. | ANGRAU |
| 28 | 2017 | Dr Ch Chiranjeevi<br>Dr T Madhumathi<br>Dr D V Sairam Kumar<br>Dr C Sandhya RAni<br>Dr B Ratna KUmari | Agri-carnival for the theme Doubling the Farm Income – ways and means. on 03.05.17. | Ag. College, Bapatla |
| 29 | 2017 | Dr Ch Chiranjeevi<br>Dr C Sandhya Rani | 14th National Youth Parliament competitions on 10.05.17 | Ag. College, Bapatla |
| 30 | 2017 | Dr Cherukuri Sreenivasa Rao | Meeting on Effectiveness of ALP on Storage Pests of Pulses – An alternative to MBr; Krishi Bhavan; New Delhi; | DAC, GOI |
| 31 | 2017 | Dr Cherukuri Sreenivasa Rao | Workshop on "Alternatives to Methyl Bromide", NASC, New Delhi; 24th Mar 2017 | DAC, GOI |
| 32 | 2017 | Dr Cherukuri Sreenivasa Rao | Workshop on Course Alignment of Structural Pest Management under National Skill Qualification Framework of India; NIRD, Hyderabad; 4-6 May 2017 | NIRD |
| 33 | 2017 | Dr Cherukuri Sreenivasa Rao | 25th Annual Workshop of AINP on Pesticide Residues, SKUAST, Kashmir; 13-15 July 2017 | ICAR |
| 34 | 2017 | Dr Cherukuri Sreenivasa Rao | 29th Technical Committee Meeting of MPRNL Scheme; Krishi Bhavan, New Delhi; 4th Aug 2017 | DAC, GOI |
| 35 | 2017 | Dr Cherukuri Sreenivasa Rao | PTP Conclave, New Delhi; 30-31 Aug, 2017 | NABL, GOI |
| 36 | 2017 | Dr Cherukuri | Technical Specifications Committee Meeting for MPRNL Scheme; IARI, New Delhi; 14th Sept 2017 | DAC, GOI |

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| | | Sreenivasa Rao | | |
| 37 | 2017 | Dr Cherukuri Sreenivasa Rao | 11th Workshop of MPRNL Scheme; AAU, Gujarat; 22nd Sept 2017 | DAC, GOI |
| 38 | 2017 | Dr Cherukuri Sreenivasa Rao | Brian Storming Session "Different Approaches used at global level to determine MRLs for Pesticides – Their Impact on Trade and Strategy"; FDA Bhavan, New Delhi; 1st Nov, 2017 | EIC, GOI |
| 39 | 2017 | Dr G RamaChandra Rao | International Conference on "Advanced Technologies and their Applications in Agriculture" Presented paper on "Influence of Microbial consortium on biodegradation of textile sludge applied to the soil" | National Research Centre, Agricultural and Biological Research Division, Cairo, Egypt |
| 40 | 2017 | Dr G RamaChandra Rao | National Conference on "Adaptation Interventions for Climate Resilient Agriculture in Coastal Agro-Ecosystems" | ANGRAU<br>NABARD Chair at RARS, Lam |
| 41 | 2017 | Dr G RamaChandra Rao | Training on Personality Development Programme to Faculty on "Effective Class room Management by Prof.M.L. Saikumar Former Dean Institute for Public Enterprise (IPE), Osmania University | Agricultural College, Bapatla |
| 42 | 2017 | Dr C Sandhya Rani | Imparted training on"Integrated Pest Management in oilseed crops to farmers from 7.12.17 to 8.12.17 | National Mission on Oilseeds&FTC, Bapatla |
| 43 | 2017 | Dr C Sandhya Rani | AP Agri Tech Summit, 2017 along with 35 (20 Girls+15 boys) students from 15.11.17 to 17.11.17 | ANGRAU |
| 44 | 2018 | Dr Cherukuri Sreenivasa Rao | Discussions on Pesticide Management Bill 2017; NASC, New Delhi; 11th Jan 2018 | DAC, GOI |
| 45 | 2018 | Dr Cherukuri Sreenivasa Rao | Committee Meeting for Compilation of Achievements of MPRNL Scheme, IARI, New Delhi; 30th Jan 2018 | DAC, GOI |
| 46 | 2018 | Dr Cherukuri Sreenivasa Rao | 30th Meeting of Technical Committee of MPRNL Scheme; Krishi Bhavan, New Delhi; 31st Jan 2018 | DAC, GOI |
| 47 | 2018 | Dr Cherukuri Sreenivasa Rao | Conducted annual workshop of DAC funded Project "Study on Impact of Indiscriminate Use of Chemical fertilizers and Pesticides" at NIPHM during 26-27 March, 2018 | DAC, GOI |

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| 48 | 2018 | Dr Cherukuri Sreenivasa Rao | World Accreditation Day; Bangalore, 9th June, 2018 | NABL |
| 49 | 2018 | Dr Cherukuri Sreenivasa Rao | Expert Committee Meeting of MPRNL Scheme; IARI, New Delhi; 25 June 2018 | DAC, GOI |
| 50 | 2018 | Dr Cherukuri Sreenivasa Rao | Expert Committee Meeting of MPRNL Scheme; IARI, New Delhi; 10th August 2018 | DAC, GOI |
| 51 | 2018 | Dr Cherukuri Sreenivasa Rao | PTP (Proficiency Testing Provider) Conclave; Mumbai; 30-31st August, 2018 | NABL, GOI |
| 52 | 2018 | Dr Cherukuri Sreenivasa Rao | Conducted workshop on Organic Farming and FPOs; NIPHM; 4th September, 2018 | NIPHM |
| 53 | 2018 | Dr Cherukuri Sreenivasa Rao | Technical Committee of MPRNL; Krishi Bhavan. Delhi on 4th Octo, 2018 | DAC, GOI |
| 54 | 2018 | Dr Cherukuri Sreenivasa Rao | Conducted annual workshop of DAC funded Project "Study on Impact of Indiscriminate Use of Chemical fertilizers and Pesticides at BCKV, Kalyani during 29-31 Octo, 2018 | DAC, GOI |
| 55 | 2018 | Dr Cherukuri Sreenivasa Rao | Meeting on Fall Army Worm at Krishi Bhavan. Delhi on 14th November, 2018 | DAC, GOI |
| 56 | 2018 | Dr G RamaChandra Rao | Training Programme on Work Excellence<br>by the University for the Teaching Staff of RARS, Lam and APGC, Guntur<br>APGC, Guntur | APGC,Guntur |
| 57 | 2018 | Dr G RamaChandra Rao | Training programme on CERA<br>by the Dean of Student Affairs and University Librarian, ANGRAU | APGC, Guntur |
| 58 | 2018 | Dr G RamaChandra Rao | Attended International Conference on Sustainable Solid Waste Management at Acharya Nagarjuna University along with students of Dept. of Environmental Sciences | Acharya Nagarjuna University, Guntur |
| 59 | 2018 | Dr D V Sai Ram Kumar | First International Conference on Biological Control – Approaches and Applications | Soc. of Biocontrol Advancement & NBAIR, Bengaluru, India |
| 60 | 2018 | Dr. B. RatnaKumari, | 21 days training on 'Capitalizing pesticide benefits for safer environment' | CAFT, Dept of |

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| | | Asst. Professor | | Entomology, TNAU, Coimbatore |
| 61 | 2018 | Sri. R.B. M. Naik, Asst. Professor | 21 days training on "Facets in biopesticide and botanical formulation production | TNAU, Coimbatore. |
| 62 | 2018 | Dr. M. Swathi, Asst. Professor | Foundation course for faculty of agricultural universities | NAARM, Hyderabad |
| 63 | 2018 | Dr. M. Swathi, Asst. Professor | Attended ICAR short course on "Advanced Computational and Statistical Tools Data Analysis" | Ag. College, Bapatla. |
| 64 | 2019 | Dr Ch Chiranjeevi | Strategic approached for developing world class Agricultural Universities, 19-20 March 2019 | ANGRAU |
| | 2019 | Dr Ch Chiranjeevi | Agri-carnival for the year 2019 | Ag. College, Bapatla |
| 65 | 2019 | Dr Cherukuri Sreenivasa Rao | 13th Academic Committee Meeting of NIPHM at Krishi Bhavan on 3rd Jan, 2019 | DAC, GOI |
| 66 | 2019 | Dr Cherukuri Sreenivasa Rao | Technical Committee of MPRNL at Krishi Bhavan. Delhi on 8th Jan, 2019 | DAC, GOI |
| 67 | 2019 | Dr Cherukuri Sreenivasa Rao | 6th Meeting of Empowered Committee of FSSAI on Strengthening of Food Testing System in the Country at FDA Bhavan, New Delhi on 22nd Feb, 2019 | FSSAI, GOI |
| 68 | 2019 | Dr Cherukuri Sreenivasa Rao | 6th Annual Conference of the India Section of AOAC International, New Delhi; 29th Feb to 1st March, 2019 | AOAC |
| 69 | 2019 | Dr Cherukuri Sreenivasa Rao | Co-chaired a session on "Crop and Crop Health Management" during National Workshop on "Plant Health Management of Coconut : Challenges and Future opportunities, organized by NIPHM; 14th March, 2019 | NIPHM |
| 70 | 2019 | Dr Cherukuri Sreenivasa Rao | Expert Committee meeting of MPRNL GOI; Krishi Bhavan, New Delhi; 21 June, 2019 | DAC. GOI |
| 71 | 2019 | Dr Cherukuri Sreenivasa Rao | 13th Annual Workshop of CCS-Monitoring of pesticide residue at National level (MPRNL); Trivendrum, 1-2 Aug, 2019 | DAC, GOI |
| 72 | 2019 | Dr Cherukuri Sreenivasa Rao | 27th Annual workshop of ICAR-AINP on Pesticides Residues, KAU; Trivendrum, 3-4 Aug, 2019 | ICAR |
| 73 | 2019 | Dr Cherukuri Sreenivasa Rao | International Plant Protection Convention IPPC 2019; HICC, Hyderabad; 10-12 Nob, 2019 | IPPC |

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| 74 | 2019 | Dr T Madhumathi | National Conference for Post graduate Students, Novel approaches for doubling farmer income through sustainable agricultural production systems | Agril. College, Bapatla |
| 75 | 2019 | Dr B Ratna Kumari, Assistant Professor | 5th National Asian PGPR Conference for Sustainable and Organic Agriculutur | Acharya Nagarjuna University, Guntur and India Chapter of Asian PGPR Society |
| 76 | 2020 | Dr Cherukuri Sreenivasa Rao | Chaired a session in IV th IUPAC- International Conference on Agro-Chemicals protecting crops Health & Natural environment; NASC, New Delhi; 7-10 Jan 2020 | IUPAC |
| 77 | 2020 | Dr Cherukuri Sreenivasa Rao | 32nd meeting of Technical Committee of MPRNL, GOI; Krishi Bhavan, New Delhi; 9 Jan 2020 | DAC, GOI |
| 78 | 2020 | Dr Cherukuri Sreenivasa Rao | Chaired a session in National Seminar on Innovations in Agriculture for Rural Development; ANGRAU-Bapatla; 21-22 Feb 2020 | ANGRAU |
| 79 | 2020 | Dr Cherukuri Sreenivasa Rao | Webinar on Developing Effective Leadership Skills for Change; 18 June 2020 | KSU-ANGRAU |
| 80 | 2020 | Dr Cherukuri Sreenivasa Rao | Delivered Lecture on "Science and Art of Pesticide Residue Analysis" under NAHEP-CAAST-NAU; 15 July 2020 | NAU |
| 81 | 2020 | Dr Cherukuri Sreenivasa Rao | Chaired session on 28th Annual Workshop of AINP on Pesticide Residues; on-line; 23 July 2020 | ICAR |
| 86 | 2020 | Dr T Madhumathi | National Conference Post graduate Students on "Challenges and opportunities for profitable agriculture" | Agril. College, Bapatla |
| 87 | 2020 | Dr T Madhumathi | National Seminar on 'Innovations in Agriculture for rural development (IARD-2020) | Agril. College, Bapatla |
| 88 | 2020 | Dr D V Sai Ram Kumar | XVII-AZRA International Conference on "Frontier Researvh in Applied Zoology and IPM strategies: A way forward for Food and Nutritional Security" | Applied Zool. Res. Assn. & Ent. Soc. of India & University of Agricultural Sciences, Raichur, Karnataka |
| 89 | 2020 | Dr D V Sai Ram | International Seminar on "Transboundary Pest Management-2020 (ISTPM) | Tamilnadu Agricultural University, Coimbatore & |

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| | | Kumar | | Entomological Soc. of India |
| 90 | 2020 | Dr C Sandhya Rani | Awareness Training Programme on Importance of cultivation & value addition in Millets to farmers on 08.01.2020 | ICAR |
| 91 | 2020 | Dr C Sandhya Rani | "IPM in pulses" in Masters training programme (ADAs/AOs) at FTC-APHRD on 19.03.2020, | Department of Agriculture. |
| 92 | 2020 | Dr T Madhumathi<br>Dr C Sandhya Rani | Webinar on Integrated Insect Pests and Nematodes Management in Banana on 4th August 2020 | ICAR-NRCB |
| 93 | 2020 | Dr C Sandhya Rani | Webinar on Art of Communication & Placement Design Process Two way interaction GD Videos on 28th July, 2020 | ANGRAU |
| 94 | 2020 | Dr C Sandhya Rani | Webinar on art of Power point and excel design & Personality Etiquette on 29th July, 2020 | ANGRAU |
| 95 | 2020 | Dr C Sandhya Rani | Webinar on Art of Career Counselling & Mock Training on 30th July, 2020 | ANGRAU |
| 96 | 2020 | Dr B Ratna Kumari, Assistant Professor | Innovations in Agriculture for Rural Development (IARD) | Andhra Agricultural Journal, Ag College, Bapatla |

## DEPARTMENT OF GENETICS & PLANT BREEDING

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| NAME OF THE STAFF | **DR. V. SATYANARAYANA RAO** | |
| Designation | Professor and Head (Genetics & Plant Breeding) | |
| Date of Joining in University | 04.10.1985 | |
| Highest Educational Qualification | Ph.D (Genetics & Plant Breeding) | |
| Experience | Total | 35 years |
| | Teaching | 10 years |
| | Administration | 2 years |
| | Research | 23 years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 5 |
| | Last 5 years (30) | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 20 |
| | Last 5 years | 14 |
| Significant Accomplishments, if any (brief)<br>Released two groundnut varieties JCG88-2 at state level and TG-26 at national level for all India release and one sesame variety Swethatill from RARS, Jagityal District, Telangana | | |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.NO | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2019 | Kavya, P., Rao, V.S., Vijayalakshmi, B., Sreekanth, Y., Radhakrishna and Nafeez Umar, S.K. 2019. Genetic in diversity studies in sorghum ( Sorghum bicolor (L.) using $D^2$ statistics. *International Journal of Current Microbiology and Applied Sciences.* 8 (6): 24-31. | 5.38 |
| 2 | 2019 | Shruti, K., Rao, V.S, Rani, G.M, Srikanth, V., Kumar, M and Umar, N. 2019. Genetic in diversity studies in yield and its contributing traits in groundnut (*Arachis hypogea* L.) genotypes using $D^2$ statistics. *International Journal of Current Microbiology and Applied Sciences.* 8 (6): 32-38 | 5.38 |
| 3 | 2019 | Anisha, A., Chamundeswari, N., Satyanarayana Rao, V and Swapna, M. 2019. Heritability and genetic advance in rice magic populations for yield and its components. *Journal of Pharmacognosy And Phytochemistry.* SP (2): 230-234 | 5.21 |
| 4 | 2020 | Kavya, P., Rao, V.S., Vijayalakshmi, B., Sreekanth, Y., Radhakrishna and Nafeez Umar, S.K. 2020. Correlation and path analysis in sorghum ( Sorghum bicolor (L.) . *Journal of Pharmacognosy And Phytochemistry.* 8(2): 2407-2409 | 5.21 |

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|---|---|---|---|
| 5 | 2020 | Shruti, K., Rao, V.S, Rani, G.M, Srikanth, V., Kumar, M and Umar, N. 2020. Screening groundnut (*Arachis hypogea* L.) genotypes for resistance to early. Late leaf spot and rust disease under epiphytotic conditions. *Journal of Pharmacognosy And Phytochemistry.* 9(1):1174-1177. | 5.21 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAD-11-04 | T.Haritha | Molecular characterization and in silico documentation of EMS treated M2 population in Tomato (*Lycopersicon esculentum* M.) |
| 2 | BAD-14-07 | P. Ravi Yugandhar | Genetic analysis of amylose content in rice. (*oryza sativa* L.) |
| 3 | BAD/2015-04 | Bodempudi Kalyan | Genetic analysis and association mapping in rice (*oryza sativa* L.)Genotypes for heat tolerance |
| 4 | BAD-16-07 | P. Kavya | Stability analysis in sorghum (*sorghum bicolor*(l.) Moench) genotypes |
| 5 | BAD-16-08 | Shruthi Kora | Stability analysis in groundnut (*arachis hypogeal* l.) |
| 6 | BAD-17-04 | G. Bharathi | Genetic analysis for yield and micronutrients in fingermillet (*elusine coracana* l. Garetn.) |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2019 | Merit certificate to RARS, Lam as best Pulses Research Station in India. | IIPR, Kanpur |
| 2 | 2019 | Best RARS Award | Vice Chancellor, ANGRAU |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2019 | AICRP Pulses *Kharif* workshop | ICAR-ANGRAU at RARS, Lam. |
| 2 | 2019 | AICRP on Cotton | ICAR-ANGRAU at RARS, Lam. |
| 3 | 2019 | Two day Workshop on alternate crops to Tobacco | ANGRAU, RARS, Lam at Ongole. |
| 4 | 2019 | Two day *Kharif* and *rabi* Zonal Research and Extension Advisory Council Meetings of Krishna | ANGRAU, RARS, Lam |

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| | | Zone. | |
| 5 | 2019 | Two day *Kharif* and *rabi* Zonal Research and Extension Advisory Council Meetings of Krishna Zone. | ANGRAU RARS, Lam |
| 6 | 2019 | Scientific Advisory Council Meeting KVK, Ghantasala, Krishna Dist. | ADR, ANGRAU, RARS, Lam |
| 7 | 2019 | Scientific Advisory Council Meeting KVK, Garikapadu, Krishna Dist. | ADR, ANGRAU RARS, Lam |
| 8 | 2019 | Scientific Advisory Council Meeting KVK, Darsi, Prakasam dist. | ADR, ANGRAU, RARS, Lam |
| 9 | 2019 | Scientific Advisory Council Meeting Veterinary KVK, Lam, Guntur dist. | ADR, ANGRAU, RARS, Lam |
| 10 | 2019 | One day District Level Coordination Committee meeting Review Meeting, Krishna Dist. | ADR, ANGRAU, RARS, Lam |
| 11 | 2019 | One day District Level Coordination Committee meeting Review Meeting, Guntur Dist. | ADR, ANGRAU RARS, Lam |
| 12 | 2019 | One day District Level Coordination Committee meeting Review Meeting, Prakasham Dist. | ADR, ANGRAU, RARS, Lam |
| 13 | 2019 | Organized one day exhibition and farmers interaction meeting with RAWEP students, Krishna dist. | ADR, ANGRAU, RARS, Lam |
| 14 | 2019 | Organized one day exhibition and farmers interaction meeting with RAWEP students, Guntur dist. | ADR, ANGRAU, RARS, Lam |
| 15 | 2019 | Organized one day exhibition and farmers interaction meeting with RAWEP students, Prakasham dist. | ADR, ANGRAU, RARS, Lam |
| 16 | 2019 | Organized one week training programme to farmers on minor millets processing at KVK, Darsi. | ADR, ANGRAU, RARS, Lam |
| 17 | 2019 | Organized one week training programme to farmers on mushroom cultivation at KVK, Garikapadu. | ADR, ANGRAU, RARS, Lam |
| 18 | 2019 | Organized two day training programme on Pink Bollworm in Cotton to input dealers during pre *kharif* | ADR, ANGRAU, RARS, Lam |
| 19 | 2019 | Organized two day training programme on Pink Bollworm in Cotton to farmers during *kharif* | ADR, ANGRAU, RARS, Lam |
| 20 | 2019 | Organized one day national workshop on Fall Army Worm control in Maize and Sorghum to farmers at Tenali, Guntur Dist. | ADR, ANGRAU, RARS, Lam |
| 21 | 2019 | Organized two Kisan Melas during 2nd fortnight of January | ADR, ANGRAU, RARS, Lam |
| 22 | 2019 | Organized seven days training program five meetings each districts on Paddy to Self Help Group/ Farmers Producers Organizations (FPO's) members under Society for Elimination of Rural Poverty program. | ADR, ANGRAU RARS, Lam |

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| 23 | 2020 | Organized seven days training program five meetings each districts on *Kharif* pulses to Self Help Group/ Farmers Producers Organizations (FPO's) members under Society for Elimination of Rural Poverty program. | ADR, ANGRAU RARS, Lam |
| 24 | 2020 | Organized seven days training program five meetings each districts on *rabi* pulses to Self Help Group/ Farmers Producers Organizations (FPO's) members under Society for Elimination of Rural Poverty program. | ADR, ANGRAU RARS, Lam |
| 25 | 2019 | Organized seven days training program five meetings each districts on Cotton to Self Help Group/ Farmers Producers Organizations (FPO's) members of Prakasham, Guntur and Krishna Districts with financial support from Society for Elimination of Rural Poverty program. | ADR, ANGRAU RARS, Lam |
| 26 | 2020 | Organized thousand quintals of foundation seed production at KVK, Ghantasala & Garikapadu under Pulses Production Mission. | ADR, ANGRAU RARS, Lam |
| 27 | 2019 | Organized one Kisan Mela for the benefit of farmers of Krishna district at Swarna Bharathi Trust attended by honourable Vice President of India, M. Venkaiah Naidu garu at Atkur village, Gannavaram, Krishna District. | ADR, ANGRAU RARS, Lam |
| 28 | 2019 | Organized one Kisan Mela in collaboration with Jan Shakthi Abhiyan near Nuzividu, Krishna district. | ADR, ANGRAU RARS, Lam |
| 29 | 2019 | Organized skill training programme for rural youth on mushroom production techniques with financial support from MANAGE & ATMA. | ADR, ANGRAU RARS, Lam |
| 30 | 2019 | Instrumental in organizing cluster front line demonstrations on pulses in an area of 150 acres spread over six villages in Krishna district. | ADR, ANGRAU RARS, Lam |
| 31 | 2019 | Instrumental in Distributing the Blackgram seeds under CFLD Program at Chiruvolu lanka & other villages wherein The Honourable Vice Chancellor Dr. V.D. Naidu & Dr. Y.G. Prasad, Director ATARI participated. | ADR, ANGRAU RARS, Lam |
| 32 | 2020 | Organized and participated in the exhibition cum QRT review meeting South Zone at KVK, Karakambadi, Chittore District | ADR, ANGRAU RARS, Lam |
| 33 | 2016 | Member in the village Adoption programme disseminating the latest technologies to the farmers of Adopted village at Dammannavaripalem. | Associate Dean, Ag.College, Bapatla. |

| NAME OF THE STAFF | DR. T. SRINIVAS | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 25.09.1998 | |
| Highest Educational Qualification | Ph.D (Ag.) in Genetics and Plant Breeding | |
| Experience | Total (Yrs) | 22 |
| | Teaching (yrs) | 4 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 14 |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 5 |
| | Last 5 years | 5 |
| Significant Accomplishments, if any (brief)<br>Was actively involved in the development and release of Sreekurma (RGL 2332), Sreesatya (RGL 1880), Indra (MTU 1061), Amara (MTU 1064), Pushyami (MTU 1075), Vamsadhara (RGL 11414) and Sreemukhi (RGL 11226) paddy varieties in addition to others mentioned hereunder. | | |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2018 | Ravi Kumar, B N V S R, Suneetha, Y., Satyanarayana, P.V., Srinivas, T., Govardhan, G., Lokeswar Reddy, A., Chamundeswari, N., and Girija Rani, M. 2018. Development and evaluation of heterotic three lines test cross hybrids in rice suitable for Andhra Pradesh. *Multilogic in Science VIII (XXVII) : 131-133* | 5.20 |
| 2 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Estimation of genetic diversity for anaerobic germination traits using Principal Component Analysis in rice (*Oryza sativa*). *The Bioscan*. 8(12):283-287. | 5.26 |
| 3 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Screening for tolerance to anaerobic respiration in rice (*Oryza sativa*). *International Journal for Current Microbiology and Applied Sciences*. 8(12):2529-2538. | 5.38 |
| 4 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Genetic variability, character association and path analysis for anaerobic germination traits in rice (*Oryza sativa*). *International Journal for Current Microbiology and Applied Sciences*. 9(1):553-556. | 5.38 |
| 5 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Anaerobic germination tolerance based genetic diversity analysis in rice (*Oryza sativa*). *The Pharma Innovation Journal*. 9(1):467-471. | 5.03 |
| 6 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Principal component analysis for | 5.31 |

| | | | |
|---|---|---|---|
| | | anaerobic germination traits in rice (*Oryza sativa* L.).*International Journal of chemical studies*. 8(1):1977-1982 | |
| 8 | 2020 | Kumar Saurabh Singh, Suneetha, Y., Sandeep Raja, D. and Srinivas, T. 2020. Principal Component Analysis for Yield and quality traits in coloured Rice. 2020. *The Pharma Innovation Journal*. 9(7): 452-462. | 5.03 |
| 9 | 2020 | Kumar Saurabh Singh, Suneetha, Y., Vinay Kumar, G., Srinivasa Rao, V., Sandeep Raja, D. and Srinivas, T. 2020. Variability, correlation and path studies in coloured Rice..2020. *International Journal of Chemical Studies.* 8(4): 2138-2144. | 5.31 |
| 10 | 2020 | Kumar Saurabh Singh, Suneetha, Y., Vinay Kumar, G., Srinivasa Rao, V., Sandeep Raja, D. and Srinivas, T. 2020. Genetic divergence studies for Yield and quality traits in coloured Rice. 2020. *Journal of Pharmacognosy and Phytochemistry*. 9(4): 1234-1240. | 5.21 |
| 11 | 2020 | Kumar Saurabh Singh, Suneetha, Y., Vinay Kumar, G., Srinivasa Rao, V., Sandeep Raja, D. and Srinivas, T. 2020. Evaluation of coloured and white rice genotypes for Yield and quality. 2020. *International Journal of Current Microbiology and Applied Sciences*. 9(7) : 2454-2466. | 5.38 |
| 12 | 2020 | Sudeepthi, K., Srinivas, T., Ravi Kumar, B.N.V.S.R., Jyothula, D.P.B and Naffez Umar, Sk. 2020. Genetic divergence studies for yield and yield component traits in rice (*Oryza sativa* L.). *Multilogic in Science* 9:415-418 | 5.20 |
| 13 | 2020 | Sudeepthi, K., Srinivas, T., Ravi Kumar, B.N.V.S.R, Jyothula, D.P.B and Nafeez Umar, Sk. 2020. Principal component analysis for anaerobic germination traits in rice (*Oryza sativa* L.). *International Journal of Chemical Studies.* 8 (1): 1977-1982. | 5.31 |
| 14 | 2020 | Sudeepthi, K., Srinivas, T., Ravi Kumar, B.N.V.S.R, Jyothula, D.P.B and Nafeez Umar, Sk. 2020. Genetic variability, character association and path analysis for anaerobic germination traits in rice (*Oryza sativa* L.). *Journal of Pharmacognosy and Phytochemistry*. 9 (1): 553-556. | 5.21 |
| 15 | 2020 | Sudeepthi, K., Srinivas, T., Ravi Kumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2020. Genetic divergence studies for anaerobic germination traits in rice (*Oryza sativa*). *Curent Journal of Applied Science and Technology.*. 39(1):71-78. | 5.32 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1. | MAM/2013-02 | N. Sivakrishna | Studies on stability for yield and physiological traits across rice growing environs |
| 2. | MAM/2013-03 | K.Venkatesh | Genetic diversity for physiological and productivity traits in drought tolerant |

| | | | |
|---|---|---|---|
| | | | groundnut genotypes |
| 3. | MAM/2014-07 | A. Lokeshwar Reddy | Genetic and stability analysis in drought tolerant groundnut genotypes |
| 4. | BAM/15-13 | K. Hrudaya Raj | Molecular characterization of elite genotypes for salinity tolerance in rice (*Oryza sativa* L.) |
| 5. | BAM/16-28 | K R Venugopal | Stability analysis of promising genotypes for planting methods in rice (*Oryza sativa* L.) |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1. | 2000 | 20th Century Young Agricultural Scientist Award | Agricultural Research Information Center, Hissar, Haryana |
| 2. | 2006 | Best Scientist 2006 | Konthala Ramanaidu Award, ANGRAU, Anakapalle |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Seminars/Symposia/Conference/Workshop attended | Organized by |
|---|---|---|---|
| 1 | 2015 | Poster presentation in *ISSP-South Zonal Seminar on "Crop Physiology – Emerging Challenges and Oppurtunities for Sustainable Agriculture" on* Association Mapping – Pinpointing Genes in a QTL - T.Srinivas and Venkata R Prakash Reddy - 03/03/15 | S.V. Agricultural College, Tirupathi |
| 2 | 2015 | Poster presentation in *ISSP-South Zonal Seminar on "Crop Physiology – Emerging Challenges and Oppurtunities for Sustainable Agriculture" on* Candidate gene approach – a tool for studying complex genetic traits – Venkata R Prakash Reddy and T. Srinivas – 03/03/15 | S.V. Agricultural College, Tirupathi |
| 3 | 2018 | Abstract presented for 3rd ARRW International Symposium Girija Rani, M., Satyanarayana, P.V., Chamundeswari, N., Ravikumar, BNVSR, Ramana Rao,P.V., Pavani,L., Kondayya,K., Deepika,V., Srinivas,T., Suneetha,Y., Suryanarayana,Y. and Munirathnam,P. - February 6-9, 2018 | Cuttack, India. |
| 4 | 2018 | Abstract Presented for International Hybrid Rice Symposium 2018. - Development and evaluation of heterotic three-line hybrids in rice suitable for coastal areas of Andhra Pradesh in India - Ravi Kumar, BNVSR, Suneetha, Y.,Satyanarayana, P.V., Srinivas, T., Goverdhan,G., Lokeshwar Reddy, A., Chamundeswari, | Yogyakarta, Indonesia |

| | | | |
|---|---|---|---|
| | | N. and Girija Rani, M - 27 February - 1 March 2018 | |
| 5 | 2018 | Abstract presented for International Hybrid Rice Symposium 2018 - Development and evaluation of fine grain wild abortive cytoplasmic male sterile (Wa-CMS) lines suitable for coastal irrigated ecosystem of Andhra Pradesh - Satyanarayana, P.V., Ravi Kumar, BNVSR, Suneetha, Y., Srinivas,T., Chamundeswari, N. and Girija Rani, M - 27 February - 1 March 2018 | Yogyakarta, Indonesia |
| 6 | 2018 | Organized University Level Agricarnival 2018 – Innovations in Agriculture for economic sustainability of Indian Farmers on 09.10.2018 at the Campus as Committee Convener | Agricultural College, Bapatla on |
| 7 | 2019 | Participated in National Conference on Strategic Approaches for Developing World Class Agricultural Universities on 19-20 March 2019 | College of Agricultural Engineering, Bapatla |
| 8 | 2019 | Conducted Agricet – 2019 on 21.07.19 at the Campus as Committee Member | ANGRAU, Lam, Guntur |
| 9 | 2020 | Organized Annual Post Graduate Student's National Conference (APGSNC – 2020) on 30-31 January 2020 | Agriculturlal College, Bapatla |
| 10 | 2020 | Participated in 2 days workshop on Data analytics with "R" using STATCRAFT on 08.02.20and 09.02.20 | Agricultural College, Bapatla |
| 11 | 2020 | Organized National Seminar on Innovations in Agriculture for Rural Development on 21 and 22.02.20 as Committee member | Agricultural College, Bapatla |
| | | Special Assignments | |
| 12 | 2018 | Enquiry into poor production of RNR 15048 at Ananthapur | ANGRAU, Guntur |
| 13 | 2019 | Monitoring of genetic purity of Foundation Seed plots at Agril. College Farm, Bapatla | Ag. College, Bapatla |
| 14 | 2019 | NSS Programme Officer from 01.06.19 upto 31.05.21 | ANGRAU, Guntur |
| 15 | 2020 | External examiner for Ph.D thesis of GPBR Dept. of College of Ag., Rajendranagar – 12.03.20 | PJTSAU, Hyderabad |
| 16 | 2020 | External examiner for Ph.D thesis of GPBR Dept. of College of Agriculture, GKVK, Bangalore - 06.07.20 | UAS, GKVK, Bangalore |
| 17 | 2020 | Member of Editorial Board, The Andhra Agricultural Journal | The Andhra Agricultural Union, Bapatla |
| 18 | 2016 | Innovative breeding techniques for development of climate smart crops – 23/08/16 to 12/09/16 | ICAR-CAFT by PAU, Ludhiana |
| 1 | 2018 | Organized one day training programme on seed | Agril. College, |

| | | | |
|---|---|---|---|
| | | production techniques in Rice and Groundnut on 23 .2.2019 in Nallamothuvari Palem village and disseminated the latest technologies to the farmers | Bapatla |

| **NAME OF THE STAFF** | **DR.B.VIJAYA LAKSHMI** | |
|---|---|---|
| Designation | Associate Professor | |
| Date of Joining in University | 17.7.2002 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 17 |
| | Teaching (yrs) | 2 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 2 |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 5 |
| | Last 5 years | |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2019 | Kavya, P., Rao, V.S., Vijayalakshmi, B., Sreekanth, Y., Radhakrisna and Nafeez Umar, S.K. 2019.Genetic in diversity studies in (Sorghum bicolor (L.) using $D^2$ Statistics. *International Journal of Current Microbiology and Applied Sciences.* 8 (6): 24-31 | 5.38 |
| 2 | 2020 | Kavya, P., Rao, V.S., Vijayalakshmi, B., Sreekanth, Y,Radhakrishna and Nafeez Umar, S.K. 2020.Correlation and path coefficient analysis in sorghum *( Sorghum bicolor* (L.) Monech) for ethanol yield. *Journal of Pharmacognosy and Phytochemistry*. 9 (2): 2407-2410. | 5.21 |

**Information on Guidance to PG / Ph.D students (Total Service)**

| | | |
|---|---|---|
| BAM-16-20 | S. Kavitha | Genetic studies on yield and quality attributes in grain sorghu (*Sorghum bicolor* L.) |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 11th to 15th April, 2015 | 50th Annual Rice group meeting per Memo No.4762/Res.II (A2)/2015 dt8.5.2015 of the Director of Research , ANGRAU, Hyderabad. | IIRR, Rajendranagar, Hyderabad |
| 2 | 27th to 29th April, 2015 | 45th Annual group meeting on sorghum at Raichur as per Memo No.6929/Res.II (A2)/2015 dt. 21.4.2015 of the Director of Research ANGRAU, Hyderabad | College of Agril. Raichur and IIMR, Hyderabad |

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|---|---|---|---|
| 3 | 25th to 27th April, 2016 | 46th Annual work shop on sorghum as per Memo No.1670/Res.II (2)/2016 dt. 10.6.2016 of the Director of Research ANGRAU, Guntur | College of Agril. Udaipur and IIMR,Hyderabad |
| 4 | 17th and 18th March, 2017 | Two days National seminar on "Plant -Microbe Interaction, Environmental Conservation-Challenges and Strategies (PMECS - 2017)" | Acharya Nagarjuna University |
| 5 | 22-2-2020 | National Seminar on Innovations in Agriculture for Rural Development | Agril. College, Bapatla |

| **NAME OF THE STAFF** | **TUSHARA MODUGU** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 26.02.2014 | |
| Highest Educational Qualification | M. Sc. (Ag.) | |
| Experience | Total (Yrs) | 6 years |
| | Teaching (yrs) | 3 years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 0 |
| | Last 5 years | 0 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| **S.No** | **Year** | **Name of Symposia/ Training / Consultancy visits / Special Assignments** | **Organized by** |
|---|---|---|---|
| 1. | 2017 | AP Agri Tech Summit " Small farmers, smart farming" | AP, Govt. At Visakhapatnam |
| 2. | 2018 | Workshop on " Reformulating Agribusiness Strategies of Experiential Learning Units towards attaining viability and self sustainability" | ANGRAU, IBM & S.V. Agricultural College, Tirupati |
| 3. | 2019 | Genomics Assisted Crop Breeding Techniques – 21 days training programme | PAU, Ludhiana |
| 4. | 2020 | Two days workshop on Data Analytics in R using STATCRAFT – 8-9th Feb, 2020 | Dept. Of SMCA, Agricultural College, Bapatla |
| 5. | 2020 | National Seminar on " Innovations in Agriculture for Rural Development (IARD-2020)" – 21st – 22nd , Feb, 2020 | Agricultural College, Bapatla |
| 6. | 2020 | Next generation genomics and integrated breeding for crop improvement – webinar – 14, May, 2020 | ICRISAT, Patancheru |
| 7. | | National Webinar on " Post covid – 19 Agribusiness : Challenges and Opportunities" 13-14, June, 2020 | Junagadh Agricultural University, Gujarat |

| **NAME OF THE STAFF** | **DR. V. ROJA** |
|---|---|
| Designation | Assistant Professor (Agril. Biotechnology) |
| Date of Joining in University | 03.03.2014 |

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|---|---|---|
| Highest Educational Qualification | Ph. D (Molecular Biology and Biotechnology) | |
| Experience | Total (Yrs) | 6 |
| | Teaching ( yrs) | 4 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 7 |
| | Last 5 years | Table below |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2018 | Gopalakrishnamurty Kadambari, Lakshminarayana R. Vemireddy, Akkareddy Srividhya, Ranjithkumar Nagireddy, Siddhartha Swarup Jena, Mahendranath Gandikota, Santosh Patil, Roja Veeraghattapu, D. A. K. Deborah, G. Eswar Reddy, Maliha Shake, Aleena Dasari, P. V. Ramanarao, Ch. V. Durgarani, C. N. Neeraja, E. A. Siddiq, Maganti Sheshumadhav. QTL-Seq-based genetic analysis identifies a major genomic region governing dwarfness in rice (Oryza sativa L.). Plant Cell Reports. 37(4): 677- 687. | 8.87 |
| 2 | 2017 | Anne Kitty Deborah,Vemireddy Lakshminarayana Reddy, Veeraghatapu Roja, Santosh Patil, Sabahat Noor, Satyavati Valluri, Ghanta Anuradha, Kommineni Radhika, KN Yamani, Ebrahimali Abubacker Siddiq, Javaregowda Nagaraju, Akkareddy Srividya. Molecular dissection of QTL governing grain size traits employing association and linkage mapping in Basmati rice. Molecular Breeding. 37: 77. DOI: 10.1007/s11032-017-0678-9. | 8.11 |
| 3 | 2017 | Santosh Patil, A Srividhya, Roja Veeraghattapu, D A K Deborah, Gopala krishna Murty Kadambari, Ranjitkumar Nagireddy, E A Siddiq, Lakshminarayana R Vemireddy. Molecular dissection of a genomic region governing root traits associated with drought tolerance employing a combinatorial approach of QTL mapping and RNA-seq in rice. Plant Molecular Biology Reporter. 35(4): 457- 468. DOI: 10.1007/s11105-017-1037. | 8.30 |
| 4 | 2016 | V. Roja, S. Patil, D.A. Deborah, A. Srividhya, N. Ranjitkumar, G. Kadambari, P.V. Ramanarao, E.A. Siddiq and L.R. Vemireddy. Finding genomic regions and candidate genes governing water use efficiency in rice. Biologia plantarum. 60 (4): 757-766. | 7.85 |
| 5 | 2015 | Roja Veeraghattapu, Santosh Patil, DAK Deborah, S.L. Kiranmayi and L. N. Vemireddy. Identification and functional characterization of genes underlying major QTL for water use efficiency- Vegetos. 28(2): 203-207 | 6.04 |
| 6 | 2020 | Roja, V., Ramesh, T., Santosh, P., Deborah, D A., Srividhya, A and Lakshminarayana, V.R. 2020. Molecular, anatomical and physiological diversity for water use efficiency traits in rice | 5.21 |

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|---|---|---|---|
| | | *(Oryza sativa L.). Journal of Pharmacognosy and phytochemistry*. 9(2): 194-200. | |
| 7 | 2020 | Mani, D.B.K.V., Krishnaveni, B., Roja, V and Umar, S.N. 2020. Association studies for yield components and dormancy related traits in rice *(Oryza sativa L.). Journal of Pharmacognosy and phytochemistry*. 9(3):867-869. | 5.21 |
| 8 | 2020 | S. Mallikarjuna, V. Roja, I. Sudhir Kumar and T. Srinivas. Correlation and Path Coefficient Studies for Kernel Yield and Component Traits in Maize. Int.J.Curr.Microbiol.App.Sci (2020) 9(8): | 5.38 |
| 9 | 2020 | S. Mallikarjuna, V. Roja, I. Sudhir Kumar and T. Srinivas. 2020. Genetic Diversity Studies in Newly Developed Maize Inbreds. *Journal of Pharmacognosy and phytochemistry.* | 5.21 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM-17-14 | S. Mallikarjuna | Study of genetic diversity in elite inbred lines of maize [Zea mays L.] |
| 2 | BAM-17-15 | N. Nagadurga rao | Characterization of rice genotypes for distinctiveness uniformity stability and nutritional parameters |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| **S.No** | **Year** | **Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments** | **Organized by** |
|---|---|---|---|
| 1 | 2015 | One month Foundation course for faculty of Agriculture universities | ICAR-NAARM, Hyderabad |
| 2 | 2016 | 10 days training on Crop breeding tools-Breeding Management System | ICAR-IIRR |
| 3 | 2018 | Reformulating Agribusiness Strategies of Experiential Learning | SV Agril. College, Tirupati |
| 4 | 2018 | CAFT- Recent Advances in Agricultural Bioinformatics: Big data Analytics Perspective | Centre for Bioinformatics, IASRI, New Delhi |
| 5 | 2020 | "Two Days' Workshop on Data Analytics with R using Statcraft" | ANGR Agricultural University |
| 6 | 2020 | five day online or virtual training workshop on "Comtemporary Education Technologies for Agricultural Education" | ICAR-NAARM, Hyderabad |

| NAME OF THE STAFF | DR.T.HARITHA | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 22-08-2017 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 3 |
| | Teaching (yrs) | 3 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 1 |
| | Last 5 years | Table below |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2020 | P Kranthi Priya, N Hari Satyanarayana, Y Rajasekhar and T Haritha Character Association And Path Coefficient Analysis In Roselle (*Hibiscus sabdariffa* L.). *International Journal of Chemical Studies*. 8(3): 2404-2406. | 5.12 |

**Information on Professional Certificates / Honors / Awards**

| Year | Type of Recognition |
|---|---|
| 2020 | Best oral paper presentation in National Seminar on Innovations in Agriculture and Rural Development (IARD-2020) organized by Andhra Agricultural Union, Agricultural College, Bapatla. |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2018 | 5 th Foundation Course for faculty of Agricultural Universities (FOCFAU) | ICAR-NAARM (30 Days) |
| 2. | 2020 | 2 Days Work shop on Data Analytics in 'R' using STATCRAFT | Agricultural College, Bapatla. |

## DEPARTMENT OF GENETICS & PLANT BREEDING

### Information on list of publications (last 5 years; 2015 onwards)

| S.NO | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2015 | Roja Veeraghattapu, Santosh Patil, DAK Deborah, S.L. Kiranmayi and L. N. Vemireddy. Identification and functional characterization of genes underlying major QTL for water use efficiency- Vegetos. 28(2): 203-207 | 6.04 |
| 2 | 2016 | V. Roja, S. Patil, D.A. Deborah, A. Srividhya, N. Ranjitkumar, G. Kadambari, P.V. Ramanarao, E.A. Siddiq and L.R. Vemireddy. Finding genomic regions and candidate genes governing water use efficiency in rice. Biologia plantarum. 60 (4): 757-766. | 7.85 |
| 3 | 2017 | Anne Kitty Deborah,Vemireddy Lakshminarayana Reddy, Veeraghatapu Roja, Santosh Patil, Sabahat Noor, Satyavati Valluri, Ghanta Anuradha, Kommineni Radhika, KN Yamani, Ebrahimali Abubacker Siddiq, Javaregowda Nagaraju, Akkareddy Srividya. Molecular dissection of QTL governing grain size traits employing association and linkage mapping in Basmati rice. Molecular Breeding. 37: 77. DOI: 10.1007/s11032-017-0678-9. | 8.11 |
| 4 | 2017 | Santosh Patil, A Srividhya, Roja Veeraghattapu, D A K Deborah, Gopala krishna Murty Kadambari, Ranjitkumar Nagireddy, E A Siddiq, Lakshminarayana R Vemireddy. Molecular dissection of a genomic region governing root traits associated with drought tolerance employing a combinatorial approach of QTL mapping and RNA-seq in rice. Plant Molecular Biology Reporter. 35(4): 457- 468. DOI: 10.1007/s11105-017-1037. | 8.30 |
| 5 | 2018 | Gopalakrishnamurty Kadambari, Lakshminarayana R. Vemireddy, Akkareddy Srividhya, Ranjithkumar Nagireddy, Siddhartha Swarup Jena, Mahendranath Gandikota, Santosh Patil, Roja Veeraghattapu, D. A. K. Deborah, G. Eswar Reddy, Maliha Shake, Aleena Dasari, P. V. Ramanarao, Ch. V. Durgarani, C. N. Neeraja, E. A. Siddiq, Maganti Sheshumadhav. QTL-Seq-based genetic analysis identifies a major genomic region governing dwarfness in rice (Oryza sativa L.). Plant Cell Reports. 37(4): 677- 687. | 8.87 |
| 6 | 2019 | Kavya, P., Rao, V.S., Vijayalakshmi, B., Sreekanth, Y., Radhakrishna and Nafeez Umar, S.K. 2019. Genetic in diversity studies in sorghum ( Sorghum bicolor (L.) using $D^2$ statistics. *International Journal of Current Microbiology and Applied Sciences.* 8 (6): 24-31. | 5.38 |

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|---|---|---|---|
| 7 | 2019 | Shruti, K., Rao, V.S, Rani, G.M, Srikanth, V., Kumar, M and Umar, N. 2019. Genetic in diversity studies in yield and its contributing traits in groundnut (*Arachis hypogea* L.) genotypes using $D^2$ statistics. *International Journal of Current Microbiology and Applied Sciences.* 8 (6): 32-38 | 5.38 |
| 8 | 2019 | Anisha, A., Chamundeswari, N., Satyanarayana Rao, V and Swapna, M. 2019. Heritability and genetic advance in rice magic populations for yield and its components. *Journal of Pharmacognosy And Phytochemistry.* SP (2): 230-234 | 5.21 |
| 9 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Estimation of genetic diversity for anaerobic germination traits using Principal Component Analysis in rice (*Oryza sativa*). *The Bioscan*. 8(12):283-287. | 5.26 |
| 10 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Screening for tolerance to anaerobic respiration in rice (*Oryza sativa*). *International Journal for Current Microbiology and Applied Sciences*. 8(12):2529-2538. | 5.38 |
| 11 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Genetic variability, character association and path analysis for anaerobic germination traits in rice (*Oryza sativa*). *International Journal for Current Microbiology and Applied Sciences*. 9(1):553-556. | 5.38 |
| 12 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Anaerobic germination tolerance based genetic diversity analysis in rice (*Oryza sativa*). *The Pharma Innovation Journal*. 9(1):467-471. | 5.03 |
| 13 | 2019 | Sudeepthi, K., Srinivas,T., RaviKumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2019. Principal component analysis for anaerobic germination traits in rice (*Oryza sativa* L.).*International Journal of chemical studies*. 8(1):1977-1982 | 5.31 |
| 14 | 2019 | Kavya, P., Rao, V.S., Vijayalakshmi, B., Sreekanth, Y., Radhakrisna and Nafeez Umar, S.K. 2019.Genetic in diversity studies in (Sorghum bicolor (L.) using $D^2$ Statistics. *International Journal of Current Microbiology and Applied Sciences.* 8 (6): 24-31 | 5.38 |
| 15 | 2020 | Kavya, P., Rao, V.S., Vijayalakshmi, B., Sreekanth, Y., Radhakrishna and Nafeez Umar, S.K. 2020. Correlation and path analysis in sorghum ( Sorghum bicolor (L.) . *Journal of Pharmacognosy And Phytochemistry.* 8(2): 2407-2409 | 5.21 |
| 16 | 2020 | Shruti, K., Rao, V.S, Rani, G.M, Srikanth, V., Kumar, M and Umar, N. 2020. Screening groundnut (*Arachis hypogea* L.) genotypes for resistance to early. Late leaf spot and rust disease under epiphytotic conditions. | 5.21 |

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|---|---|---|---|
| | | *Journal of Pharmacognosy And Phytochemistry.* 9(1):1174-1177. | |
| 17 | 2020 | Kumar Saurabh Singh, Suneetha, Y., Sandeep Raja, D. and Srinivas, T. 2020. Principal Component Analysis for Yield and quality traits in coloured Rice. 2020. *The Pharma Innovation Journal*. 9(7): 452-462. | 5.03 |
| 18 | 2020 | Kumar Saurabh Singh, Suneetha, Y., Vinay Kumar, G., Srinivasa Rao, V., Sandeep Raja, D. and Srinivas, T. 2020. Variability, correlation and path studies in coloured Rice..2020. *International Journal of Chemical Studies.* 8(4): 2138-2144. | 5.31 |
| 19 | 2020 | Kumar Saurabh Singh, Suneetha, Y., Vinay Kumar, G., Srinivasa Rao, V., Sandeep Raja, D. and Srinivas, T. 2020. Genetic divergence studies for Yield and quality traits in coloured Rice. 2020. *Journal of Pharmacognosy and Phytochemistry*. 9(4): 1234-1240. | 5.21 |
| 20 | 2020 | Kumar Saurabh Singh, Suneetha, Y., Vinay Kumar, G., Srinivasa Rao, V., Sandeep Raja, D. and Srinivas, T. 2020. Evaluation of coloured and white rice genotypes for Yield and quality. 2020. *International Journal of Current Microbiology and Applied Sciences*. 9(7) : 2454-2466. | 5.38 |
| 21 | 2020 | Sudeepthi, K., Srinivas, T., Ravi Kumar, B.N.V.S.R., Jyothula, D.P.B and Naffez Umar, Sk. 2020. Genetic divergence studies for yield and yield component traits in rice (*Oryza sativa* L.). *Multilogic in Science* 9:415-418 | 5.20 |
| 22 | 2020 | Sudeepthi, K., Srinivas, T., Ravi Kumar, B.N.V.S.R, Jyothula, D.P.B and Nafeez Umar, Sk. 2020. Principal component analysis for anaerobic germination traits in rice (*Oryza sativa* L.). *International Journal of Chemical Studies.* 8 (1): 1977-1982. | 5.31 |
| 23 | 2020 | Sudeepthi, K., Srinivas, T., Ravi Kumar, B.N.V.S.R, Jyothula, D.P.B and Nafeez Umar, Sk. 2020. Genetic variability, character association and path analysis for anaerobic germination traits in rice (*Oryza sativa* L.). *Journal of Pharmacognosy and Phytochemistry*. 9 (1): 553-556. | 5.21 |
| 24 | 2020 | Sudeepthi, K., Srinivas, T., Ravi Kumar, B.N.V.S.R., Jyothula,D.P.B and Naffez Umar, Sk. 2020. Genetic divergence studies for anaerobic germination traits in rice (*Oryza sativa*). *Curent Journal of Applied Science and Technology*.. 39(1):71-78. | 5.32 |
| 25 | 2020 | Kavya, P., Rao, V.S., Vijayalakshmi, B., Sreekanth, Y,Radhakrishna and Nafeez Umar, S.K. 2020.Correlation and path coefficient analysis in sorghum *( Sorghum bicolor* (L.) Monech) for ethanol yield. *Journal of Pharmacognosy and Phytochemistry*. 9 (2): 2407-2410. | 5.21 |
| 26 | 2020 | Roja, V., Ramesh, T., Santosh, P., Deborah, D A., Srividhya, A and Lakshminarayana, V.R. 2020. Molecular, anatomical and physiological diversity for water use efficiency traits in rice *(Oryza sativa L.). Journal of* | 5.21 |

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| | | *Pharmacognosy and phytochemistry*. 9(2): 194-200. | |
| 27 | 2020 | Mani, D.B.K.V., Krishnaveni, B., Roja, V and Umar, S.N. 2020. Association studies for yield components and dormancy related traits in rice *(Oryza sativa L.). Journal of Pharmacognosy and phytochemistry*. 9(3):867-869. | 5.21 |
| 28 | 2020 | S. Mallikarjuna, V. Roja, I. Sudhir Kumar and T. Srinivas. Correlation and Path Coefficient Studies for Kernel Yield and Component Traits in Maize. Int.J.Curr.Microbiol.App.Sci (2020) 9(8): | 5.38 |
| 29 | 2020 | S. Mallikarjuna, V. Roja, I. Sudhir Kumar and T. Srinivas. 2020. Genetic Diversity Studies in Newly Developed Maize Inbreds. *Journal of Pharmacognosy and phytochemistry.* | 5.21 |
| 30 | 2020 | P Kranthi Priya, N Hari Satyanarayana, Y Rajasekhar and T Haritha Character Association And Path Coefficient Analysis In Roselle (*Hibiscus sabdariffa* L.). *International Journal of Chemical Studies*. 8(3): 2404-2406. | 5.12 |

**Information on awards / recognitions / certifcates : (last 5 years; 2015 onwards)**

| S.No | Year | Name of the Staff | Type of Recognition |
|---|---|---|---|
| 1 | 2019 | Dr. V. Satyanarayana Rao, | Merit certificate to RARS, Lam as best Pulses Research Station in India IIPR, Kanpur |
| 2 | 2019 | Dr. V. Satyanarayana Rao | Best RARS Award by Vice Chancellor, ANGRAU |
| 3 | 2000 | Dr. T. Srinivas | 20$^{th}$ Century Young Agricultural Scientist Award Agricultural Research Information Center, Hissar, Haryana |
| 4 | 2006 | Dr. T. Srinivas | Best Scientist 2006 by Konthala Ramanaidu Award, ANGRAU, Anakapalle |
| 5 | 2020 | Dr. T. Haritha | Best oral paper presentation in National Seminar on Innovations in Agriculture and Rural Development (IARD-2020) organized by Andhra Agricultural Union, Agricultural College, Bapatla.. |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments (last 5 years; 2015 onwards)**

| S.No | Year | Name of the staff | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2015 | T.Srinivas | Poster presentation in *ISSP-South Zonal Seminar on "Crop Physiology – Emerging Challenges and Oppurtunities for Sustainable Agriculture" on* Association Mapping – Pinpointing Genes in a QTL - T.Srinivas and Venkata R Prakash Reddy - 03/03/15 | S.V. Agricultural College, Tirupathi |
| 2 | 2015 | T.Srinivas | Poster presentation in *ISSP-South Zonal Seminar on "Crop Physiology – Emerging Challenges and Oppurtunities for Sustainable Agriculture" on* Candidate gene approach – a tool for studying complex genetic traits – Venkata R Prakash Reddy and T. Srinivas – 03/03/15 | S.V. Agricultural College, Tirupathi |
| 3 | 2015 | T.Srinivas | Takkuva Neetitho Varisaagu Padhathulu – All India Radio | 02-01-15 at Ag. College, Mahanandi |
| 4 | 2015 | B. Vijaya Lakshmi | 50th Annual Rice group meeting per Memo No.4762/Res.II (A2)/2015 dt8.5.2015 of the Director of Research , ANGRAU, Hyderabad. | IIRR, Rajendranagar, Hyderabad |
| 5 | 2015 | B. Vijaya Lakshmi | 45th Annual group meeting on sorghum at Raichur as per Memo No.6929/Res.II (A2)/2015 dt. 21.4.2015 of the Director of Research ANGRAU, Hyderabad | College of Agril. Raichur and IIMR, Hyderabad |
| 6 | 2015 | V. Roja | One month Foundation course for faculty of Agriculture universities | ICAR-NAARM, Hyderabad |
| 7 | 2016 | V. Satyanarayana Rao | Member in the village Adoption programme disseminating the latest technologies to the farmers of Adopted village at Dammannavaripalem. | Associate Dean, Ag.College, Bapatla. |
| 8 | 2016 | T. Srinivas | Innovative breeding techniques for development of climate smart crops – 23/08/16 to 12/09/16 | ICAR-CAFT by PAU, Ludhiana |

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| 9 | 2016 | B. Vijaya Lakshmi | 46th Annual work shop on sorghum as per Memo No.1670/Res.II (2)/2016 dt. 10.6.2016 of the Director of Research ANGRAU, Guntur | College of Agril. Udaipur and IIMR,Hyderabad |
| 10 | 2016 | V. Roja | 10 days training on Crop breeding tools- Breeding Management System | ICAR-IIRR, Hyderabad |
| 11 | 2017 | T. Srinivas | Seed production in paddy – Impact points | 21-03-17 at RARS, Maruteru |
| 12 | 2017 | B. Vijaya Lakshmi | Two days National seminar on "Plant -Microbe Interaction, Environmental Conservation-Challenges and Strategies (PMECS - 2017)" | Acharya Nagarjuna University |
| 13 | 2017 | M.Tushara | AP Agri Tech Summit " Small farmers, smart farming" | AP, Govt. At Visakhapatnam |
| 14 | 2018 | T. Srinivas | Abstract presented for 3rd ARRW International Symposium Girija Rani, M., Satyanarayana, P.V., Chamundeswari, N., Ravikumar, BNVSR, Ramana Rao,P.V., Pavani,L., Kondayya,K., Deepika,V., Srinivas,T., Suneetha,Y., Suryanarayana,Y. and Munirathnam,P. - February 6-9, 2018 | Cuttack, India. |
| 15 | 2018 | T. Srinivas | Abstract Presented for International Hybrid Rice Symposium 2018. - Development and evaluation of heterotic three-line hybrids in rice 16suitable for coastal areas of Andhra Pradesh in India - Ravi Kumar, BNVSR, Suneetha, Y.,Satyanarayana, P.V., Srinivas, T., Goverdhan,G., Lokeshwar Reddy, A., Chamundeswari, N. and Girija Rani, M - 27 February - 1 March 2018 | Yogyakarta, Indonesia |
| 16 | 2018 | T. Srinivas | Abstract presented for International Hybrid Rice Symposium 2018 - Development and evaluation of fine grain wild abortive cytoplasmic male sterile (Wa-CMS) lines suitable for coastal irrigated ecosystem of Andhra Pradesh - Satyanarayana, P.V., Ravi Kumar, BNVSR, Suneetha, Y., Srinivas,T., Chamundeswari, N. and Girija Rani, M - 27 February - 1 March 2018 | Yogyakarta, Indonesia |

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| 17 | 2018 | T. Srinivas | Organized University Level Agricarnival 2018 – Innovations in Agriculture for economic sustainability of Indian Farmers on 09.10.2018 at the Campus as Committee Convener | Agricultural College, Bapatla |
| 18 | 2018 | T. Srinivas | Enquiry into poor production of RNR 15048 at Ananthapur | ANGRAU, Guntur |
| 19 | 2018 | T. Srinivas | Organized one day training programme on seed production techniques in Rice and Groundnut on 23 .2.2019 in Nallamothuvari Palem village and disseminated the latest technologies to the farmers | Agril. College, Bapatla |
| 20 | 2018 | M. Tushara | Workshop on " Reformulating Agribusiness Strategies of Experiential Learning Units towards attaining viability and self sustainability" | ANGRAU, IBM & S.V. Agricultural College, Tirupati |
| 21 | 2018 | V. Roja | Reformulating Agribusiness Strategies of Experiential Learning | SV Agril. College, Tirupati |
| 22 | 2018 | V. Roja | CAFT- Recent Advances in Agricultural Bioinformatics: Big data Analytics Perspective | Centre for Bioinformatics, IASRI, New Delhi |
| 23 | 2018 | T. Haritha | 5 th Foundation Course for faculty of Agricultural Universities (FOCFAU) | ICAR-NAARM (30 Days) |
| 24 | 2019 | V. Satyanarayana Rao | AICRP Pulses *Kharif* workshop | ICAR-ANGRAU at RARS, Lam. |
| 25 | 2019 | V. Satyanarayana Rao | AICRP on Cotton | ICAR-ANGRAU at RARS, Lam. |
| 26 | 2019 | V. Satyanarayana Rao | Two day Workshop on alternate crops to Tobacco | ANGRAU, RARS, Lam at Ongole. |
| 27 | 2019 | V. Satyanarayana Rao | Two day *Kharif* and *rabi* Zonal Research and Extension Advisory Council Meetings of Krishna Zone. | ANGRAU, RARS, Lam |
| 28 | 2019 | V. Satyanarayana Rao | Two day *Kharif* and *rabi* Zonal Research and Extension Advisory Council Meetings of Krishna Zone. | ANGRAU RARS, Lam |

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| 29 | 2019 | V. Satyanarayana Rao | Scientific Advisory Council Meeting KVK, Ghantasala, Krishna Dist. | ADR, ANGRAU, RARS, Lam |
| 30 | 2019 | V. Satyanarayana Rao | Scientific Advisory Council Meeting KVK, Garikapadu, Krishna Dist. | ADR, ANGRAU RARS, Lam |
| 31 | 2019 | V. Satyanarayana Rao | Scientific Advisory Council Meeting KVK, Darsi, Prakasam dist. | ADR, ANGRAU, RARS, Lam |
| 32 | 2019 | V. Satyanarayana Rao | Scientific Advisory Council Meeting Veterinary KVK, Lam, Guntur dist. | ADR, ANGRAU, RARS, Lam |
| 33 | 2019 | V. Satyanarayana Rao | One day District Level Coordination Committee meeting Review Meeting, Krishna Dist. | ADR, ANGRAU, RARS, Lam |
| 34 | 2019 | V. Satyanarayana Rao | One day District Level Coordination Committee meeting Review Meeting, Guntur Dist. | ADR, ANGRAU RARS, Lam |
| 35 | 2019 | V. Satyanarayana Rao | One day District Level Coordination Committee meeting Review Meeting, Prakasham Dist. | ADR, ANGRAU, RARS, Lam |
| 36 | 2019 | V. Satyanarayana Rao | Organized one day exhibition and farmers interaction meeting with RAWEP students, Krishna dist. | ADR, ANGRAU, RARS, Lam |
| 37 | 2019 | V. Satyanarayana Rao | Organized one day exhibition and farmers interaction meeting with RAWEP students, Guntur dist. | ADR, ANGRAU, RARS, Lam |
| 38 | 2019 | V. Satyanarayana Rao | Organized one day exhibition and farmers interaction meeting with RAWEP students, Prakasham dist. | ADR, ANGRAU, RARS, Lam |
| 39 | 2019 | V. Satyanarayana Rao | Organized one week training programme to farmers on minor millets processing at KVK, Darsi. | ADR, ANGRAU, RARS, Lam |
| 40 | 2019 | V. Satyanarayana Rao | Organized one week training programme to farmers on mushroom cultivation at KVK, Garikapadu. | ADR, ANGRAU, RARS, Lam |
| 41 | 2019 | V. Satyanarayana Rao | Organized two day training programme on Pink Bollworm in Cotton to input dealers during pre *kharif* | ADR, ANGRAU, RARS, Lam |
| 42 | 2019 | V. Satyanarayana Rao | Organized two day training programme on Pink Bollworm in Cotton to farmers during *kharif* | ADR, ANGRAU, RARS, Lam |

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| 43 | 2019 | V. Satyanarayana Rao | Organized one day national workshop on Fall Army Worm control in Maize and Sorghum to farmers at Tenali, Guntur Dist. | ADR, ANGRAU, RARS, Lam |
| 44 | 2019 | V. Satyanarayana Rao | Organized two Kisan Melas during 2nd fortnight of January | ADR, ANGRAU, RARS, Lam |
| 45 | 2019 | V. Satyanarayana Rao | Organized seven days training program five meetings each districts on Paddy to Self Help Group/ Farmers Producers Organizations (FPO's) members under Society for Elimination of Rural Poverty program. | ADR, ANGRAU RARS, Lam |
| 46 | 2019 | V. Satyanarayana Rao | Organized one Kisan Mela for the benefit of farmers of Krishna district at Swarna Bharathi Trust attended by honourable Vice President of India, M. Venkaiah Naidu garu at Atkur village, Gannavaram, Krishna District. | ADR, ANGRAU RARS, Lam |
| 47 | 2019 | V. Satyanarayana Rao | Organized one Kisan Mela in collaboration with Jan Shakthi Abhiyan near Nuzividu, Krishna district. | ADR, ANGRAU RARS, Lam |
| 48 | 2019 | V. Satyanarayana Rao | Organized skill training programme for rural youth on mushroom production techniques with financial support from MANAGE & ATMA. | ADR, ANGRAU RARS, Lam |
| 49 | 2019 | V. Satyanarayana Rao | Instrumental in organizing cluster front line demonstrations on pulses in an area of 150 acres spread over six villages in Krishna district. | ADR, ANGRAU RARS, Lam |
| 50 | 2019 | V. Satyanarayana Rao | Instrumental in Distributing the Blackgram seeds under CFLD Program at Chiruvolu lanka & other villages wherein The Honourable Vice Chancellor Dr. V.D. Naidu & Dr. Y.G. Prasad, Director ATARI participated. | ADR, ANGRAU RARS, Lam |
| 51 | 2019 | T. Srinivas | Participated in National Conference on Strategic Approaches for Developing World Class Agricultural Universities on 19-20 March 2019 | College of Agricultural Engineering, Bapatla |
| 52 | 2019 | T. Srinivas | Conducted Agricet – 2019 on 21.07.19 at the Campus as Committee Member | ANGRAU, Lam, Guntur |

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| 53 | 2019 | T. Srinivas | Monitoring of genetic purity of Foundation Seed plots at Agril. College Farm, Bapatla | Ag. College, Bapatla |
| 54 | 2019 | T. Srinivas | NSS Programme Officer from 01.06.19 upto 31.05.21 | ANGRAU, Guntur |
| 55 | 2109 | M. Tushara | Gnomics Assisted Crop Breeding Techniques – 21 days training programme | PAU, Ludhiana |
| 56 | 2020 | V. Satyanarayana Rao | Organized seven days training program five meetings each districts on *Kharif* pulses to Self Help Group/ Farmers Producers Organizations (FPO's) members under Society for Elimination of Rural Poverty program. | ADR, ANGRAU RARS, Lam |
| 57 | 2020 | V. Satyanarayana Rao | Organized seven days training program five meetings each districts on *rabi* pulses to Self Help Group/ Farmers Producers Organizations (FPO's) members under Society for Elimination of Rural Poverty program. | ADR, ANGRAU RARS, Lam |
| 58 | 2020 | V. Satyanarayana Rao | Organized seven days training program five meetings each districts on Cotton to Self Help Group/ Farmers Producers Organizations (FPO's) members of Prakasham, Guntur and Krishna Districts with financial support from Society for Elimination of Rural Poverty program. | ADR, ANGRAU RARS, Lam |
| 59 | 2020 | V. Satyanarayana Rao | Organized thousand quintals of foundation seed production at KVK, Ghantasala & Garikapadu under Pulses Production Mission. | ADR, ANGRAU RARS, Lam |
| 60 | 2020 | V. Satyanarayana Rao | Organized and participated in the exhibition cum QRT review meeting South Zone at KVK, Karakambadi, Chittore District | ADR, ANGRAU RARS, Lam |
| 61 | 2020 | T. Srinivas | Organized Annual Post Graduate Student's National Conference (APGSNC – 2020) on 30-31 January 2020 | Agriculturlal College, Bapatla |
| 62 | 2020 | T. Srinivas | Participated in 2 days workshop on Data analytics with "R" using STATCRAFT on 08.02.20and 09.02.20 | Agricultural College, Bapatla |
| 63 | 2020 | T. Srinivas | Organized National Seminar on Innovations in Agriculture for Rural Development on 21 and 22.02.20 as Committee member | Agricultural College, Bapatla |

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| 64 | 2020 | T. Srinivas | External examiner for Ph.D thesis of GPBR Dept. of College of Ag., Rajendranagar – 12.03.20 | PJTSAU, Hyderabad |
| 65 | 2020 | T. Srinivas | External examiner for Ph.D thesis of GPBR Dept. of College of Agriculture, GKVK, Bangalore - 06.07.20 | UAS, GKVK, Bangalore |
| 66 | 2020 | T. Srinivas | Member of Editorial Board, The Andhra Agricultural Journal | The Andhra Agricultural Union, Bapatla |
| 67 | 2020 | B. Vijaya lakshmi | National Seminar on Innovations in Agriculture for Rural Development | Agril. College, Bapatla |
| 68 | 2020 | M. Tushara | Two days workshop on Data Analytics in R using STATCRAFT – 8-9$^{th}$ Feb, 2020 | Dept. Of SMCA, Agricultural College, Bapatla |
| 69 | 2020 | M. Tushara | National Seminar on " Innovations in Agriculture for Rural Development (IARD-2020)" – 21$^{st}$ – 22$^{nd}$ , Feb, 2020 | The Andhra Agricultural Union, Agricultural College, Bapatla |

## DEPARTMENT OF HORTICULTURE

| NAME OF THE STAFF | SMT. N.RATNA KUMARI | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 06.05.2013 | |
| Highest Educational Qualification | M.Sc | |
| Experience | Total (Yrs) | 7years 3months |
| | Teaching (yrs) | 7years 3months |

### Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | One Day Training Cum Awareness Programme on "Plant Variety Production and DUS Testing" | PPV & FR Authority, New Delhi at Agricultural College, Bapatla |
| 4 | 2016 | Training Programme on Data Analysis Using Statistical Packages from 30.05.2016 to 04.06.2016. | Dept of Statistics and Mathematics Agricultural College, Bapatla |
| 5 | 2016 | Training Programme by Sh. Subhash Palekar on ZBNF from 11.09.16 to 14.09.16 (4 days) | AP State Agricultural Department |
| 6 | 2017 | Residential Training Programme on "Hortnet" from 06.02.2017 to 07.02.2017 (2 days) | APHRDI, Govt of AP |
| 7 | 2017 | Training Programme on "Effective Classroom Management" on 03.04.2017 | Agricultural College, Bapatla |
| 8 | 2020 | 2 days National webinar on "Role of rootstocks in fruit and vegetable crops for improving yield and quality" | Society for Advancement in Agriculture, Horticulture and allied sectors (SAAHAS) |

| NAME OF THE STAFF | DR. Y. BINDIYA | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 21.02.2014 | |
| Highest Educational Qualification | Ph.D (Horticulture) | |
| Experience | Total (Yrs) | 6 years 5 months |
| | Teaching (yrs) | 6 years 5 months |

### Information on List of Publications (Last 5 years; 2015 onwards)

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2016 | Bindiya, Y. and Srihari, D. 2016. Effect of gamma irradiation and refrigeration on extending shelf life of gherkin (*Cucumis anguria* L.). Indian Journal of Horticulture. 73(3) :410-415 | 6.10 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2016 | 3 days training programme on "Climate Literacy – Mainstreaming Climate Change into Higher Education – Agriculture Education" | Dr. MCR HRDI, Hyderabad |
| 2. | 2016 | 5 days training programme on "Data analysis using statistical packages" | ICAR - Dept. of Statistics and Mathematics, Agricultural College, Bapatla |
| 3. | 2016 | 21 days training programme on "Protected cultivation of commercial flowers and vegetables" | ICAR - University of Horticultural Sciences, Bagalkot, Karnataka |
| 4. | 2017 | Seminar on "Triggering thoughts on civil services preparation" | ANGRAU; Agricultural College, Bapatla |
| 5. | 2017 | Seminar on "Personality development programme on effective class room management" | Agricultural College, Bapatla |
| 6. | 2017 | Agri Carnival | ANGRAU; Agricultural College, Bapatla |
| 7. | 2018 | One day Seminar on "National Dialogue on Smart Farming for Sustainability of small holders" | Agricultural college, Bapatla |
| 8. | 2018 | Two day conference on "National conference on "Techno Strategic interventions for profitable agriculture" | ANGRAU |
| 9. | 2018 | Overview of Crops Responses to Changing Environments | Agricultural college, Bapatla |
| 10. | 2018 | Three day workshop on "Advanced Entrepreneurship skills for faculty of EL Units" | ANGRAU |
| 11. | 2018 | 21 days training programme on "Advances in production technology and post harvest management in fruit crops" | MPKV, Rahuri |
| 12. | 2018 | Two days conference on "Strategic approaches for developing world class agricultural universities" | ANGRAU |

## DEPARTMENT OF SOIL SCIENCE & AGRICULTURAL CHEMISTRY

| **NAME OF THE STAFF** | **DR. P. RAMA KRISHNA PRASAD** | |
|---|---|---|
| Designation | Professor & Head (Soil Science) | |
| Date of Joining in University | 15-09-1986 | |
| Highest Educational Qualification | MSc. (Ag),Ph.D (Agriculture) | |
| Experience | Total (Yrs) | 33 years 11 months |
| | Teaching (yrs) | 9 years 11 months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 1 |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students guided | Total | 8+2=10 |
| | Last 5 years | 4 |

### Information on Guidance to PG / Ph.D students (Total Service) as Chairman

| S. No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM/11-30 | T. Omkar Vinay Kumar | Fertility Evaluation of Soils of Tenali Division, Guntur District with Special Reference to phosphorus |
| 2 | BAM/13-025 | B.Sravani | Comparative Evaluation of AB-DTPA and DTPA Exctractants for Cationic Micronutrients in Calcareous Soils |
| 3 | BAM/14-22 | V. Harish | Boron Availability and Response of Blackgram to Boron in Calcareous Soils |
| 4 | BAM/16-40 | N. Venkata Lakshmi Sai Bhargavi | Response of Blackgram to Zinc and Iron Fertilization in Calcareous Soils |
| 12 | BAD/13-10 | Pedda Ghouse Peera S. K | Influence of Rice Straw Compost and Microbial Consortium on Zinc Availability in Soil and Fortification in Maize (*Zea Mays* L.) |

### Information on Professional Certificates / Honors / Awards

| Year | Type of Recognition | Presented by |
|---|---|---|
| 2018 | Ugadhi Puraskaram Award | Govt of AP |

| **NAME OF THE STAFF** | **A.LALITA KUMARI** | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 31-7-1986 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 34 |
| | Teaching (yrs) | 5 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 1 |
| | Last 5 years | 1 |
| Number of M.Sc & Ph.D students Guided | Total | 1 as major advisor<br>3 as minor advisor |
| | Last 5 years | 4 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2017 | Giridhar Kalidasu, G Sathyanarayana Reddy, S Surya Kumari, A Lalitha Kumari and A Sivasankar. 2017. Influence of Sowing Window and Plant Density on Growth, Phenology, Yield and Quality of *Nigella sativa* L. in Coastal Humid Tropic. *International Journal of Current Microbiology and Applied Sciences* (IJCMAS). 6 (9), June 2017. pp. 499-512 | 5.38 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| Name of the student | Thesis Title |
|---|---|
| G.S.Madhura Vani | Monitoring soil and water pollution under intensive cropped areas of Guntur division |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | 2nd International Conference on "Bioresource and stress management" | PJTSAU, Rajendranagar, Hyderabad |
| 2 | 2015 | The biological diversity act 2002 and access and benefit sharing mechanism | AP state biodiversity board and ANGRAU at Lam, Guntur |
| 3 | 2017 | National seminar on " Zero hunger challenges for hunger free India" | Government college for women, Guntur |
| 4 | 2017 | National symposium on " Advances in agriculture through sustainable technologies and holoistic approaches" | Central coastal agricultural research institute, Goa |
| 5 | 2017 | National Conference on "Adaptation interventions for climate resilent agriculture in coastal agro-eco system | ANGRAU, Lam, Guntur |
| 6 | 2019 | National conference on Strategic Approaches for developing World Class Agricultural Universities | NTR College of Agricultural Engineering, Bapatla |
| 7 | 2019 | National symposium on "The Choice of farming models for income security towards equity and sustainability | Agricultural College, Bapatla and AP Human resource Development Institute, Bapatla |
| 8 | 2020 | National Seminar on Innovation in Agriculture for Rural Development (IARD-2020), Feb 21-22, 2020 | Andhra Agricultural Union, Agricultural College, Bapatla |

| NAME OF THE STAFF | DR. CH. SUJANI RAO | |
|---|---|---|
| Designation | Professor | |
| Date of Joining in University | 1.3.2000 | |
| Highest Educational Qualification | Ph. D. | |
| Experience | Total (Yrs) | 20 years 5 months |
| | Teaching (yrs) | 12 years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 7 |
| | Last 5 years | 24 |
| Number of M.Sc & Ph.D students guided | Total | 5 |
| | Last 5 years | 5 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2018 | Goutami N, Sujani Rao Ch, Sirisha A,Pulla Rao Ch and Vijay Gopal A. 2018. Long term effect of integrated nutrient management on macronutrient uptake under rice-rice sequence. *International Journal of Chemical Studies*. 6(6): 1239-1244. | 5.31 |
| 2018 | Goutami N, Sujani Rao Ch, Sirisha A, Pulla Rao Ch and Vijay Gopal A. 2018. Effect of long term use of inorganic fertilizers, organic manures on micronutrient content in soil under rice-rice cropping system. *International Journal of chemical studies.* 6(6):1173-117 | 5.31 |
| 2018 | Goutami N, Sujani Rao Ch, Sirisha A, Pulla Rao Ch and Vijay Gopal A. 2018. Effect of long term use of inorganic fertilizers, organic manures and their combination on active carbon pools under rice – rice cropping system. *International Journal of Chemical Studies*. 6(5): 2643-2647. | 5.31 |
| 2018 | Goutami N, Sujani Rao Ch, Sirisha A, Pulla Rao Ch and Vijay Gopal A. 2018.Effect of long term use of inorganic fertilizers, organic manures and their combination on soil properties and enzyme activity in Rice- Rice cropping system. *International Journal of Current Microbiology and Applied Sciences*. 2018, 7(9): 469-486 | 5.38 |
| 2019 | Sowjanya A, Pulla Rao Ch, Mosha K, Sujani Rao Ch and Ashoka Rani Y.2019. Growth, yield attributes and yield of pearl millet as influenced by phosphorus management practices in Kharif Pearl millet. *International Journal of Current Microbiology and Applied Sciences.* 8(6): 3143-3148 | 5.38 |
| 2019 | Gowthami P, Ashoka Rani Y, Sreekanth B, Pulla Rao Ch and Sujani Rao Ch.2019.Effect of Potassium and Nickel nutrition on total dry matter and kernel yield in maize under heat stress. *International Journal of Current Microbiology and Applied Sciences*. 2019. 8(7) : 1640-1649 | 5.38 |
| 2019 | Jagga Rao I, Sujani Rao Ch, Prasad PRK, PullaRao Chand Jayalalitha K. 2019.Review on effect of conjunctive use of organic manures and inorganic phosphorus on growth, yield attributes, yield and economics of rice. *Journal of Pharmacognosy and Phytochemistry*. 8(3): 2637-2640. | 5.21 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| ID Number | Name of the student | Thesis Title |
|---|---|---|
| RAM/13-64 | L. Swetha | Integrated nutrient management in Bhendi (*Abelmoschus esculentus* L.) with special reference to potassium |
| BAM/15-33 | M.K. Priyanka | Potassium dynamics through organic manures and potassium solubilizing biofertilizer in Okra |
| BAM/17-29 | Venkateswara Rao Gadde | Effect of organic manures and inorganic phosphorus fertilizers on soil health, growth and yield of chick pea |
| BAD/15-06 | N.Goutami | Carbon sequestration and soil health under long term soil fertility management in rice-rice cropping sequence |
| BAD/16-13 | I. Jagga Rao | Phosphorus dynamics in relation to nutrient management in Rice-Blackgram cropping sequence |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2015 | 2nd International conference on Bio-Resource and Stress Management | ANGRAU, Rajendranagar, |
| 2. | 2015 | National Conference on Reinvigorating Agricultural Innovations for farmers Empowerment and Development | ANGRAU, Rajendranagar, |
| 3. | 2015 | International conference on Agriculture, Veterinary and Environmental Sciences – 2015 | IMRF, Vijayawada |
| 4. | 2017 | 82nd Annual convention of Indian society of soil science, National seminar on Development in soil sciences-2017 | Amity University, Kolkata |
| 5 | 2019 | Two Day National workshop on Best Practices in Agriculture and Allied sectors | AP HRDI & ILEG – Planning Department GoAP |
| 6 | 2019 | Strategic Approaches for developing world -class agricultural universities | Engineering, Bapatla, ANGRAU |
| 7 | 2019 | National symposium on the choice of farming models for income security: Towards Equity and sustainability | APHRDI, GoAP |
| Special Assignments | | | |
| 1 | 2019 | Appointed as external examiner for Ph D student | Dept of Soil Science and Agricultural chemistry, Agricultural college, Dharwad, Karnataka |
| 2 | 2018 to 2020 | Question paper setting and external examiner for UG course | Loyola Academy Degree College, Secunderabad |

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|---|---|---|---|
| | 2016-2017 | Committee member for establishment of Central Instrumentation Cell (CIC) at Agril College, Bapatla | ANGRAU, Lam, Guntur |

| **NAME OF THE STAFF** | **DR.M.LATHA** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 28.09.2006 | |
| Highest Educational Qualification | Ph.D (Ag.) | |
| Experience | Total (Yrs) | 13 |
| | Teaching (yrs) | 6 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 3 |
| | Last 5 years | 3 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2019 | Latha, M., Ratna Prasad, P., Prasad, P.R.K ., Srinivasarao, V and Lakshmipathy, R. Effect of integrated nitrogen management on macronutrient content and uptake by rice crop. *International Journal of Chemical Studies*. 7(1): 1107-1112. | 5.31 |
| 2 | 2019 | M Latha, P Ratna Prasad, P R K Prasad, R Lakshmipathy and V Srinivasarao. Effect of integrated nitrogen management on rice and rice fallow *rabi* crops. *International Journal of Current Microbiology and Applied Sciences*. 8(1): 271-280. | 5.38 |
| 3 | 2020 | M Latha, P Ratna Prasad, P R K Prasad, R Lakshmi Pathy and V Srinivasarao. 2020. Effect of integrated nitrogen management on macronutrient content and uptake of rice fallow *rabi* blackgram. *International Journal of Current Microbiology and Applied Sciences*. 9(7): 1-12. | 5.38 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2015 | One day training cum awareness programme on "Plant variety protection and DUS testing" on 28.02.2015 | Dept.of Genetics and Plant breeding, Agricultural College, Bapatla and PPV & FR authority, New Delhi on National Science day" . |
| 2. | 2018 | 3 Days National seminar on " Futuristic Agriculture for sustainable food security" from 21-23, Feb, 2018 | S.V.Agricutural College, Tirupati, ANGRAU. |

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|---|---|---|---|
| 3. | 2018 | 3 days workshop on "Advanced Enterpreneurship skills for faculty of Experiential Learning (EL) units with the theme " Reformulating Agribusiness Strategies of Experiential Learning (EL) units towards attaining viability and self-sustainability" from 27.09.2018 to 29.09.2018 | Institute of Agribusiness Management, S.V.Agricultural College, Tirupati. ANGRAU. |
| 4. | 2018 | 21 days ICAR winter school on " Advance microbial technologies to enhance nutrient use efficiency and mitigation of green house gas emission from agriculture" from 04th to 24th September, 2018 | ICAR- Indian Institute of Soil Science, Bhopal. |
| 5. | 2019 | 2 days National symposium on the Choice of farming models for Income security: Towards Equity and sustainability" on 21-22 June, 2019 | Agricultural College, Bapatla and AP Human resource Development Institute, Bapatla. |
| 6. | 2019 | 10 days short term training course on " Recent advances in organic production systems involving oilseeds for soil health and export" from 26-25th September, 2019 | ICAR-Indian Institute of Oilseeds Research" Rajendranagar, Hyderabad and ICAR-Ministry of agriculture & Farmers Welfare, Govt.of India. |
| 7. | 2020 | 2 days National seminar on "Innovations in agriculture for Rural Development(IARD-2020) On Feb, 21-22, 2020. | Andhra Agricultural Union, Agricultural College, Bapatla. |
| 8. | 2020 | 19 days online course on "Remote sensing & GIS technology and applications for university teachers & Government Officials" during 13.06.2020 to 01.07.2020. | Indian Institute of Remote Sensing (IIRS), ISRO Dehradun. |

| **NAME OF THE STAFF** | **SMT. A.J. SUVARNA LATHA** | |
|---|---|---|
| Designation | Asst.Professor | |
| Date of Joining in University | 2007 | |
| Highest Educational Qualification | M.Sc(Ag) | |
| Experience | Total (Yrs) | 12yrs |
| | Teaching (yrs) | 4yrs |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2017 | National conference on Adaptation Interventions for climate Resilient | NABARD Chair RARS, Lam, Guntur on |

| | | | |
|---|---|---|---|
| | | Agriculture in coastal Agro-Eco systems. RARS, Lam, Guntur on 9-10th April, 2017 | 9-10th April, 2017 |
| 2 | 2018 | ICAR Winter School (Sep 4-24, 2018) - Advance microbial technologies to improve nutrient use efficiency and mitigation of greenhouse gas emission from agriculture | Indian Institute of Soil Science,Bhopal |
| 3 | 2019 | 5th National Asian PGPR Conference for Sustainable and organic agriculture Eco-friendly Bio-innovations for integrated crop Management , Soil health and environment. | Acharya Nagarjuna University,Guntur,A.P. Chapter of Asian PGPR Society. |

| **NAME OF THE STAFF** | **DR. MOHANA RAO PULI** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 21/02/2014 | |
| Highest Educational Qualification | Ph. D | |
| Experience | Total (Yrs) | 6 |
| | Teaching (yrs) | 0 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 1 |
| | Last 5 years | 1 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2020 | D Sudha Rani, P Mohana Rao and K Krishnamma. 2020. Efficacy of chlorantraniliprole 625g/L FS (Lumivia) for the management of stem borer and leaf folder in direct seeded rice. *International Journal of Chemical Studies.* 8(4): 1673-1680 | 5.31 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| S.No | ID No. | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM-15-30 | J. Kiranmai | Assessment of Ground water Quality for irrigation in West Godavari District of Andhra Pradesh |
| 2 | BAM-16-35 | T. Giri Sashank Reddy | Assessment of Ground water Quality for irrigation in East Godavari District of Andhra Pradesh |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S. No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2016 | Training programme on Zero Budget Natural Farming | Agricultural Department, AP |
| 2 | | XXV Biennial Workshop | AICRP Management of Salt affected soils & Use of Saline Water in Agriculture. Bikaner, Rajasthan |
| 3 | | 5th National Seminar | Indian Society of Soil Salinity & Water Quality. Bikaner, Rajasthan |
| 4 | 2018 | Recent Trends in Sustainable Management of Soil Health for Doubling the Farmers' Income | JNKV, CAFT, JABALPUR |
| 5 | 2018 | Training programme on e-procurement | ANGRAU, Guntur |
| 6 | 2019 | Workshop on Oryza modeling | GTC, RARS, Lam, Guntur |
| 7 | 2019 | Refresher training programme on 'Administrative and Financial Procedures | RARS, Lam, Guntur |

| **NAME OF THE STAFF** | **DR.P.A.VISALAKSHI DEVI** | |
|---|---|---|
| Designation | Asst.Professor | |
| Date of Joining in University | 23.08.2017 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 2 yrs 10 months |
| | Teaching (yrs) | 2 yrs 10 months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 2 |
| | Last 5 years | 2 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2015 | Visalakshi Devi, P. A., Naidu, M.V. S and Rama Krishna Rao, A. 2016. Characterisation and classification of sugarcane growing soils in Southern Agro-climatic zone: A case study in Eastern Mandals of Chittoor district in Andhra Pradesh. *Journal of the Indian Society of Soil Science*. 63(3): 245-258. | 5.23 |
| 2 | 2016 | Visalakshi Devi, P. A. And Naidu, M.V. S .2016. Land evaluation for alternate land use planning of Sugarcane growing soils of Chittoor district in Andhra Pradesh. *Journal of the Indian Society of Soil Science*. 64(1): 13-24. | 5.23 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2018 | Attended one month Foundation training Programme to newly joined Assistant Professors of ANGRAU (6th FOCFAU) | NAARM, Hyderabad |
| 2 | 2018 | National seminar on futuristic agriculture for sustainable food security | S.V.Agricultural College, Tirupati, ANGRAU |
| 3. | 2019 | National conference on Strategic Approaches for developing World Class Agricultural Universities | NTR College of Agricultural Engineering, Bapatla |
| 4 | 2019 | National symposium on "The Choice of farming models for income security towards equity and sustainability | Agricultural College, Bapatla and AP Human resource Development Institute, Bapatla |
| 5 | 2020 | National Seminar on Innovation in Agriculture for Rural Development (IARD-2020), Feb 21-22, 2020 | Andhra Agricultural Union, Agricultural College, Bapatla |

## DEPARTMENT OF SOIL SCIENCE & AGRICULTURAL CHEMISTRY

**Information on list of publications (last 5 years; 2015 onwards)**

| Sl. No. | Year | Details of the Article | NAAS Rating |
|---|---|---|---|
| 1 | 2015 | Visalakshi Devi, P. A., Naidu, M. V. S and Rama Krishna Rao, A. 2016. Characterisation and classification of sugarcane growing soils in Southern Agro-climatic zone: A case study in Eastern Mandals of Chittoor district in Andhra Pradesh. *Journal of the Indian Society of Soil Science*. 63(3): 245-258. | 5.23 |
| 2 | 2016 | Visalakshi Devi, P. A and Naidu, M. V. S. 2016. Land evaluation for alternate land use planning of Sugarcane growing soils of Chittoor district in Andhra Pradesh. *Journal of the Indian Society of Soil Science*. 64(1): 13-24. | 5.23 |
| 3 | 2017 | Giridhar Kalidasu, Sathyanarayana Reddy, G., Surya Kumari, S., Lalitha Kumari, A and Sivasankar, A. 2017. Influence of Sowing Window and Plant Density on Growth, Phenology, Yield and Quality of *Nigella sativa* L. in Coastal Humid Tropic. *International Journal of Current Microbiology and Applied Sciences* (IJCMAS). 6 (9), June 2017. pp. 499-512 | 5.38 |
| 4 | 2017 | Jogarao, P., Prasad, P.R.K., Lalitha Kumari, A and Prasuna Rani, P. 2017. Long-Term effect of Manures and fertilizers on nutrient status under cotton mono-cropping in *Vertisol*. *International Journal of Current Microbiology and Applied Sciences*. 6 (7): 2084-2094 | 5.38 |
| 5 | 2018 | Goutami, N., Sujani Rao, Ch., Sirisha, A., Pulla Rao, Ch and Vijay Gopal, A. 2018. Long term effect of integrated nutrient management on macronutrient uptake under rice-rice sequence. *International Journal of Chemical Studies*. 6(6): 1239-1244. | 5.31 |
| 6 | 2018 | Goutami, N., Sujani Rao, Ch., Sirisha, A., Pulla Rao, Ch and Vijay Gopal, A. 2018Effect of long term use of inorganic fertilizers, organic manures on micronutrient content in soil under rice-rice cropping system. *International Journal of chemical studies.* 6(6):1173-1178. | 5.31 |
| 7 | 2018 | Goutami, N., Sujani Rao, Ch., Sirisha, A., Pulla Rao, Ch and Vijay Gopal, A. 2018 Effect of long term use of inorganic fertilizers, organic manures and their combination on active carbon pools under rice – rice cropping system. *International Journal of Chemical Studies*. 6(5): 2643-2647. | 5.31 |
| 8 | 2018 | Goutami, N., Sujani Rao, Ch., Sirisha, A., Pulla Rao, Ch and Vijay Gopal, A. 2018.Effect of long term use of inorganic fertilizers, organic manures and their combination on soil properties and enzyme activity in Rice- | 5.38 |

| | | | |
|---|---|---|---|
| | | Rice cropping system. *International Journal of Current Microbiology and Applied Sciences*. 2018, 7(9): 469-486 | |
| 9 | 2019 | Jagga Rao, I., Sujani Rao, Ch., Prasad, P.R.K., PullaRao, Ch and Jayalalitha, K. 2019.Review on effect of conjunctive use of organic manures and inorganic phosphorus on growth, yield attributes, yield and economics of rice. *Journal of Pharmacognosy and Phytochemistry*. 8(3): 2637-2640. | 5.21 |
| 10 | 2019 | Jagga Rao I, Sujani Rao Ch, PrasadPRK, PullaRao Chand JayalalithaK. 2019.Review on effect of conjunctive use of organic manures and inorganic phosphorus on growth, yield attributes, yield and economics of rice. *Journal of Pharmacognosy and Phytochemistry*. 8(3): 2637-2640. | 5.21 |
| 11 | 2019 | Latha, M., Ratna Prasad, P., Prasad, P. R. K., Srinivasarao, V and Lakshmipathy, R. Effect of integrated nitrogen management on macronutrient content and uptake by rice crop. *International Journal of Chemical Studies*. 7(1): 1107-1112. | 5.31 |
| 12 | 2019 | Latha, M., Ratna Prasad, P., Prasad, P. R.K., Lakshmipathy, R and Srinivasarao, V. Effect of integrated nitrogen management on rice and rice fallow *rabi* crops. *International Journal of Current Microbiology and Applied Sciences*. 8(1): 271-280. | 5.38 |
| 13 | 2019 | Sowjanya, A., Pulla Rao, Ch., Mosha, K., Sujani Rao, Ch and Ashoka Rani, Y. 2019. Growth, yield attributes and yield of pearl millet as influenced by phosphorus management practices in Kharif Pearl millet. *International Journal of Current Microbiology and Applied Sciences.* 8(6): 3143-3148 | 5.38 |
| 14 | 2020 | Latha, M., Ratna Prasad, P., Prasad, P. R. K., Lakshmipathy, R and Srinivasarao, V. 2020. Effect of integrated nitrogen management on macronutrient content and uptake of rice fallow *rabi* blackgram. *International Journal of Current Microbiology and Applied Sciences*. 9(7): 1-12. | 5.38 |
| 15 | 2020 | Sudha Rani, D., Mohana Rao, P and Krishnamma, K.2020. Efficacy of chlorantraniliprole 625g/L FS (Lumivia) for the management of stem borer and leaf folder in direct seeded rice. *International Journal of Chemical Studies.* 8(4): 1673-1680 | 5.31 |

**Information on awards / recognitions / certifcates (ladest 5 years; 2015 onwards)**

| S.No | Year | Name of the Staff | Type of Recognition |
|---|---|---|---|
| 1. | 2018 | Dr.P.R.K.Prasad | Ugadhi Puraskaram for outstanding services in the field of Soil Science and Agricultural Chemistry |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments (last 5 years; 2015 onwards)**

| S.No | Year | Name of the staff | Name of the Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2015 | P. R. K. Prasad One of the Contributors | Post – Graduate Research Highlights | Dean of Post - Graduate Studies, ANGRAU, Guntur |
| 3 | 2016 | P. R. K. Prasad One of the Contributors | Catalogue of Under Graduate Course – B. Sc. (Hons) Agriculture | Dean of Agriculture, ANGRAU, Guntur |
| 4 | 2017 | P. R. K. Prasad One of the Contributors | Initiatives in Agricultural Education | Dean of Agriculture, ANGRAU, Guntur |
| 5 | 2019 | Dr.Ch.Sujani Rao | Appointed as external examiner for Ph.D student | Dept of Soil Science and Agricultural chemistry, Agricultural college, Dharwad, Karnataka |
| 6 | 2018 - 2020 | Dr.Ch.Sujani Rao | Question paper setting and external examiner for UG course | Loyola Academy Degree College, Secunderabad |
| 2 | 2019-2020 | P. R. K. Prasad | Nominated as member of Board of studies for Agriculture in Btech. Engg. | JNTU, Kakinada |
| 3 | 2020 | P. R. K. Prasad | Question paper setting for ASTEM 3203-Remote sensing & GIS Techniques for soil, water & Crop studies of UG | Centurian University, Cuttack |

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|---|---|---|---|---|
| | | | programme | |
| 4 | 2015 | Dr.A.Lalitha Kumari | 2nd International Conference on "Bioresource and stress management" | PJTSAU, Rajendranagar, Hyderabad |
| 5 | 2015 | Dr.A.Lalitha Kumari | The biological diversity act 2002 and access and benefit sharing mechanism | AP state biodiversity board and ANGRAU at Lam, Guntur |
| 6 | 2017 | Dr.A.Lalitha Kumari | National seminar on " Zero hunger challenges for hunger free India" | Government college for women, Guntur |
| 7 | 2017 | Dr.A.Lalitha Kumari | National symposium on " Advances in agriculture through sustainable technologies and holoistic approaches" | Central coastal agricultural research institute, Goa |
| 8 | 2017 | Dr.A.Lalitha Kumari | National Conference on "Adaptation interventions for climate resilent agriculture in coastal agro-eco system | ANGRAU, Lam, Guntur |
| 9 | 2019 | Dr.A.Lalitha Kumari | National conference on Strategic Approaches for developing World Class Agricultural Universities | NTR College of Agricultural Engineering, Bapatla |
| 10 | 2019 | Dr.A.Lalitha Kumari | National symposium on "The Choice of farming models for income security towards equity and sustainability | Agricultural College, Bapatla and AP Human resource Development Institute, Bapatla |
| 11 | 2020 | Dr.A.Lalitha Kumari | National Seminar on Innovation in Agriculture for Rural Development (IARD-2020), Feb 21-22, 2020 | Andhra Agricultural Union, Agricultural College, Bapatla |
| 12 | 2015 | Dr.Ch.Sujani Rao | 2nd International conference on Bio-Resource and Stress Management | ANGRAU, Rajendranagar, |
| 13 | 2015 | Dr.Ch.Sujani Rao | National Conference on Reinvigorating Agricultural Innovations for farmers Empowerment and Development | ANGRAU, Rajendranagar, |
| 14 | 2015 | Dr.Ch.Sujani Rao | International conference on Agriculture, Veterinary and Environmental Sciences – 2015 | IMRF, Vijayawada |
| 15 | 2017 | Dr.Ch.Sujani Rao | 82nd Annual convention of Indian society of soil science, National seminar on Development in soil sciences-2017 | Amity University, Kolkata |
| 16 | 2019 | Dr.Ch.Sujani Rao | Two Day National workshop on Best Practices in | AP HRDI & ILEG – Planning |

| | | | | |
|---|---|---|---|---|
| | | | Agriculture and Allied sectors | Department GoAP |
| 17 | 2019 | Dr.Ch.Sujani Rao | Strategic Approaches for developing world -class agricultural universities | Dr NTR College of Engineering, Bapatla, ANGRAU |
| 18 | 2019 | Dr.Ch.Sujani Rao | National symposium on the choice of farming models for income security: Towards Equity and sustainability | APHRDI, GoAP |
| 20 | 2015 | Dr. M. Latha | One day training cum awareness programme on "Plant variety protection and DUS testing" on 28.02.2015 | Dept.of Genetics and Plant breeding, Agricultural College, Bapatla and PPV & FR authority, New Delhi on National Science day" . |
| 21 | 2018 | Dr. M. Latha | 3 Days National seminar on " Futuristic Agriculture for sustainable food security" from 21-23, Feb, 2018 | S.V.Agricutural College, Tirupati, ANGRAU. |
| 22 | 2018 | Dr. M. Latha | 3 days workshop on "Advanced Enterpreneurship skills for faculty of Experiential Learning (EL) units with the theme " Reformulating Agribusiness Strategies of Experiential Learning (EL) units towards attaining viability and self- sustainability" from 27.09.2018 to 29.09.2018 | Institute of Agribusiness Management, S.V.Agricultural College, Tirupati. ANGRAU. |
| 23 | 2018 | Dr. M. Latha | 21 days ICAR winter school on " Advance microbial technologies to enhance nutrient use efficiency and mitigation of green house gas emission from agriculture" from 04th to 24th September, 2018 | ICAR- Indian Institute of Soil Science, Bhopal. |
| 24 | 2019 | Dr. M. Latha | 2 days National symposium on the Choice of farming models for Income security: Towards Equity and sustainability" on 21-22 June, 2019 | Agricultural College, Bapatla and AP Human resource Development Institute, Bapatla. |
| 25 | 2019 | Dr. M. Latha | 10 days short term training course on " Recent advances in organic production systems involving oilseeds for soil health and export" from 26-25th September, 2019 | ICAR-Indian Institute of Oilseeds Research" Rajendranagar, Hyderabad and ICAR- Ministry of agriculture & Farmers Welfare, Govt.of India. |

| | | | | |
|---|---|---|---|---|
| 26 | 2020 | Dr. M. Latha | 2 days National seminar on "Innovations in agriculture for Rural Development(IARD-2020) On Feb, 21-22, 2020. | Andhra Agricultural Union, Agricultural College, Bapatla. |
| 34 | 2017 | Smt. A.J.Suvarna Latha | National conference on Adaptation Interventions for climate Resilient Agriculture in coastal Agro-Eco systems. RARS, Lam, Guntur on 9-10th April, 2017 | NABARD Chair RARS, Lam, Guntur on 9-10th April, 2017 |
| 35 | 2018 | Smt. A.J.Suvarna Latha | ICAR Winter School (Sep 4-24, 2018) - Advance microbial technologies to improve nutrient use efficiency and mitigation of greenhouse gas emission from agriculture | Indian Institute of Soil Science,Bhopal |
| 36 | 2019 | Smt. A.J.Suvarna Latha | 5th National Asian PGPR Conference for Sustainable and organic agriculture Eco-friendly Bio-innovations for integrated crop Management , Soil health and environment. | Department of Botany and Microbiology, Acharya Nagarjuna University,Guntur,A.P. Chapter of Asian PGPR Society. |
| 37 | 2016 | Dr.P.Mohan Rao | Training programme on Zero Budget Natural Farming | Agricultural Department, AP |
| 38 | | Dr.P.Mohan Rao | XXV Biennial Workshop | AICRP Management of Salt affected soils & Use of Saline Water in Agriculture. Bikaner, Rajasthan |
| 39 | | Dr.P.Mohan Rao | 5th National Seminar | Indian Society of Soil Salinity & Water Quality. Bikaner, Rajasthan |
| 40 | 2018 | Dr.P.Mohan Rao | Recent Trends in Sustainable Management of Soil Health for Doubling the Farmers' Income | JNKV, CAFT, JABALPUR |
| 41 | 2018 | Dr.P.Mohan Rao | Kisan Kalyan Karyasala | Mudinepalli, Mantada Division |
| 42 | 2018 | Dr.P.Mohan Rao | Training programme on e-procurement | ANGRAU, Guntur |
| 43 | 2019 | Dr.P.Mohan Rao | Orientation programme on geo tagging in RKVY projects | RARS, Lam, Guntur |
| 44 | 2019 | Dr.P.Mohan Rao | Workshop on Oryza modeling | GTC, RARS, Lam, Guntur |
| 45 | 2019 | Dr.P.Mohan Rao | Refresher training programme on 'Administrative and Financial Procedures | RARS, Lam, Guntur |
| 47 | 2018 | Dr.P.A.Visalakshi Devi | Attended one month Foundation training Programme to newly joined Assistant Professors of ANGRAU (6th | NAARM, Hyderabad |

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|---|---|---|---|---|
| | | | FOCFAU) | |
| 48 | 2018 | Dr.P.A.Visalakshi Devi | National seminar on futuristic agriculture for sustainable food security | S.V.Agricultural College, Tirupati, ANGRAU |
| 49 | 2019 | Dr.P.A.Visalakshi Devi | National conference on Strategic Approaches for developing World Class Agricultural Universities | NTR College of Agricultural Engineering, Bapatla |
| 50 | 2019 | Dr.P.A.Visalakshi Devi | National symposium on "The Choice of farming models for income security towards equity and sustainability | Agricultural College, Bapatla and AP Human resource Development Institute, Bapatla |
| 51 | 2019 | Dr.P.A.Visalakshi Devi | National conference on Strategic Approaches for developing World Class Agricultural Universities | NTR College of Agricultural Engineering, Bapatla |
| 52 | 2019 | Dr.P.A.Visalakshi Devi | National symposium on "The Choice of farming models for income security towards equity and sustainability | Agricultural College, Bapatla and AP Human resource Development Institute, Bapatla |
| 53 | 2020 | Dr.P.A.Visalakshi Devi | National Seminar on Innovation in Agriculture for Rural Development (IARD-2020), Feb 21-22, 2020 | Andhra Agricultural Union, Agricultural College, Bapatla |

## PLANT PATHOLOGY

| NAME OF THE STAFF | DR. P. ANIL KUMAR | |
|---|---|---|
| Designation | Professor and Head | |
| Date of Joining in University | 19.06.1998 | |
| Highest Educational Qualification | Ph D | |
| Experience | Total (Yrs) | 23 |
| | Teaching (yrs) | 13 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | Table below |
| Number of M. Sc & Ph. D students Guided | Total | 15 |
| | Last 5 years | 6 |

### Information on List of Publications (Last 5 years; 2015 onwards)

| S. No. | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2016 | Ranga Rani A, Khayum Ahammed S, Patibanda A K and Sarada Jayalakshmi Devi R 2016. Characterization and rhizosphere competence of Trichoderma spp. in different cropping systems of Chittoor district (AP). *Indian Phytopathology* 69(4s): 260-265. | 5.9 |
| 2 | 2017 | Ranga Rani A, Khayum Ahammed S and Patibanda A K 2017. Genetic diversity of Trichoderma sp. from rhizosphere regions of different cropping systems using RAPD markers. *International Journal of Current Microbiology and Applied Sciences*. 6(7): 1618-1624. | 5.38 |
| 3 | 2017 | Ranga Rani A, Khayum Ahammed S and Patibanda A K 2017. Morphological and biochemical characterization of Trichoderma spp. in different cropping systems of Chittoor district (AP). *The Bioscan* 12(1): 129-134. | 5.26 |
| 4 | 2017 | Siva Prasad B M V, Bhattiprolu S. L., Prasanna Kumari V. and Anil Kumar P. 2017. *In vitro* evaluation of bacterial biocontrol agents and botanicals against Alternaria leaf spot caused by *Alternaria macrospora* in cotton. *International Journal of Current Microbiology and Applied Sciences.* 6 (11): 750-758 | 5.38 |
| 5 | 2018 | Chiranjeevi N, Anil Kumar P, Saradajayalakshmi R, Hari Prasad K V and Prasad T N V K V. 2018. Effect of carbon and nitrogen sources in the medium on silver nano conversion and assessment of silver nano conversion principle in culture filtrate. *Journal of Pharmacology and Phytochemistry SPL*. 157-160. | 5.21 |
| 6 | 2018 | Chiranjeevi N, Anil Kumar P, Saradajayalakshmi R, Hari Prasad K V and Prasad T N V K V. 2018. Bioefficacy of biogenic silver nano particle against rice sheath blight causing pathogen *Rhizoctonia solani* Kuhn. International *Journal of Current Microbiology and Applied Sciences.* 7(7): 4148-4160. | 5.38 |

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| 7 | 2018 | Chiranjeevi N, Anil Kumar P, Saradajayalakshmi R, Hari Prasad K V and Prasad T N V K V. 2018. Effect of seed treatment and spray with biosilver nano particles and biocontrol agents on defense related enzymes activity in rice seedlings and plant growth parameters *in vitro*. International *Journal of Chemical Studies.* 6(3): 882-890. | 5.31 |
| 8 | 2018 | Chiranjeevi N, Anil Kumar P, Saradajayalakshmi R, Hari Prasad K V and Prasad T N V K V. 2018. Testing the effect of silvernano particles on the radial growth of *Rhizoctonia solani*, *Trichoderma* species and *Pseudomonas fluorescens in vitro.*. International *Journal of Chemical Studies* 6(3): 1917-1922 | 5.31 |
| 9 | 2018 | Siva Prasad B M V, Bhattiprolu S. L., Prasanna Kumari V. and Anil Kumar P. 2018. *In vitro* evaluation of fungicides against *alternaria macrospora* causing leaf spot in cotton. *International Journal of Current Microbiology and Applied Sciences.* 7 : 1 | 5.38 |
| 10 | 2018 | Siva Prasad B M V, Bhattiprolu S. L., Prasanna Kumari V. and Anil Kumar P. 2018. Study of Antagonistic Capabilities of *Trichoderma* spp. against *Alternaria macrospora* Zimm. Causing Leaf Spot in Cotton. *International Journal of Current Microbiology and Applied Sciences. 7*(6): 1146-1154 | 5.38 |
| 11 | 2020 | Mounica D., Krishnayya P. V., Srinivasa Rao M., Patibanda A. K. and Srinivasa Rao V. 2020. Effect of elevated $CO_2$ and temperature on thermal constants and lower threshold temperatures of maize aphid, *Rhopalosiphum maidis* (Fitch.) (Aphididae:Hemiptera) on maize, *Zea mays* (Linn.) *Journal of Agrometeorology,* 22 (2):116-123 | 6.64 |
| 12 | 2020 | Sayiprathap, B. R., Patibanda A. K., Prasanna Kumari V., Jayalalitha K., Srinivasa Rao V., Mamta Sharma, Hari Kishan Sudini. 2020. Prevalence of Sterility mosaic disease (SMD) and variability in pigeonpea sterility mosaic virus (PPSMV) in southern-India. *Indian Phytopathology* (online publication http://rdcu.be/b4sd3) | 5.9 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chairman**

| S. No. | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM-06-38 | Anasuya M | Prevalence of *Trichoderma* spp and fluorescent Pseudomonads in different cropping sysytems |
| 2 | BAM-07-25 | Ranganathswamy M | Sensitivity of *Trichoderma* isolates to selected agrochemicals *in vitro* |
| 3 | BAM-07-24 | Nageswara Rao G | Studies on the management of dry root rot of groundnut (*Arachis hypogeae* L) |
| 4 | BAM-08-39 | Swathi B | Biocontrol efficacy of *Trichoderma* spp against chickpea collar rot pathogen *Sclerotium rolfsii* |

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|---|---|---|---|
| 5 | BAM-09-43 | Parvathi Devi Y | Studies on variability in the antagonistic potential of *Trichoderma* isolates |
| 6 | BAM-09-44 | Soujanya Lakshmi R | Studies on biological control of rice sheath blight caused by Rhizoctonia solani Kuhn using Trichoderma sp. |
| 7 | BAM-10-41 | Pacvani M | Interaction of Trichoderma harzianum with soil mycoflora |
| 8 | BAM-10-43 | Urmila V | Studies on sheath rot disease of rice caused by Sarocladium oryzae (Sawada) Gams. and Hawksworth |
| 9 | TAM-2013-027 | Sunil Kumar Y | Studeies on variabuility and management of Satrocladium oryzae 9Sawada) gams. and Hawkworth, causing sheath rot of rice. |
| 10 | TAM-2013-025 | Shahida Nasreen Sk. | Management of groundnut stem rot pathogen Sclerotium rolfsii Sacc. using root endophytes |
| 11 | BAM-14-22 | Chiranjeevi N | Microbial synthesis and characterization of nanoscale silver material and evaluation of their bioefrficacy against rice sheath blight pathogen rhizoctonia solani kuhn |
| 12 | BAM-17-42 | Eden Georgia K | Bioefficacy of fungicides and their compatibility weith insecticides in manageing blackgram diseases |
| 13 | BAD-07-09 | Vara Prasada Rao Ch | Studies on blast disease of rice caused by Pyriculari grisea Sacc. |
| 14 | BAD-11-13 | Swathi B | Studies on biological control of chickpea collar rot caused by Sclerotium rolfsii using Trichoderma |
| 15 | BAD-16-22 | Sayi Prathap B R | Investigations on prevalence, transmission and management of sterility mosaic disease(SMD) of pigeonpea (*Cajanus cajan* (L.) Millsp.) |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2020 | National Conference on Climate resilient agriculture for sustainable production and nutritional security | NAHEP, UAS, Dharwad. |
| 2 | 2020 | National Seminar on Innovations in Agriculture for Rural Development | ANGRAU, Ag College, Bapatla |
| 3 | 2018 | Advanced technology in plant health management and pest risk analysis for improvisation of Indian Agriculture and farmers for delivering a guest lecture and for monitoring as ICAR nominee | CAFT, Dept of Pl Pathology, GBPUA&T, Udhamsinghnagar |

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|---|---|---|---|
| 4 | 2018 | Moderation duty for ICAR, ARS, Mains examination for Plant Pathology discipline | ICAR, New Delhi |
| 5 | 2018 | External examiner for Ph D final viva voce examination | UAS, Raichur |
| 6 | 2018 | Expert member for Plant Pathology C A S interviews | Dr. Y S R Horticultural University, |
| 7 | 2018 | Expert to scrutinize the CAS applications | IIRR, Rajendranagar, Hyderabad |
| 8 | 2017 | External examiner for Ph D comprehensive viva voce examination | UAHS, Shimoga |
| 9 | 2017 | National Youth Parliament Competitions 2017-18 - coordinator | Ministry of parliamentary affairs |
| 10 | 2016 | Attended ICAR- AGRIUNIFEST along with ANGRAU students as contingent leader | OUAT, Bhubaneswar |

| **NAME OF THE STAFF** | **V. PRASANNA KUMARI** | |
|---|---|---|
| Designation | Associate Professor | |
| Date of Joining in University | 22.11.2001 | |
| Highest Educational Qualification | Ph D | |
| Experience | Total (Yrs) | 18 |
| | Teaching (yrs) | 11 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 7 |
| | Last 5 years | 7 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2017 | Chandrajini Devi, H., Prasanna Kumari, V., Sobita Devi Ph. and Bireswar Sinha. 2017. Screening of blackgram genotypes for molecular variability in reaction to *Mungbean* yellow mosaic disease. *Indian Phytopathology* 70 (30): 353-358 | 5.9 |
| 2017 | Mohan venkata sivaprasad, S.L. Bhattiprolu, V. Prasanna Kumari and Anil Kumar, P. 2017<br>*In vitro* Evaluation of Bacterial biocontrol agents and Botanicals against Alternaria leaf spot caused by *Alternaria macrospora* in cotton. *International Journal of Current Microbiology and Applied Sciences.* 6 (11): 750-758 | 5.38 |
| 2018 | Amulya, G., Prasanna Kumari, V., Manoj Kumar, V and Ashoka Rani, Y. 2018. Evaluation of genetic diversity of *Cercospora abelmoschi* infecting okra in Guntur district, Andhra Pradesh, India. *International Journal of Current Microbiology and Applied Sciences.* 7 (1): 1925-1931 | 5.38 |
| 2018 | Bhavani, B, V Manoj Kumar, V Prasanna Kumari. 2018. Influence of weather on severity of late leaf spot on selected Groundnut Genotypes. | 5.38 |

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|---|---|---|
| | *International Journal of Current Microbiology and Applied Sciences*. 6 special issue : 1953-1962 | |
| 2018 | Reddi Gunasri, V. Manoj Kumar, V. Prasanna Kumari, B. Sreekanth and D.V. Sairam Kumar. 2018. Screening of Blackgram Genotypes for Resistance against Corynespora Leaf Spot and Cercospora Leaf Spot. *International Journal of Current Microbiology and Applied Sciences.* 7 :11 | 5.38 |
| 2018 | Vulimiri Jyothsna, V. Prasanna Kumari, V. Manoj Kumar and B. Sreekanth. 2018. Morphological and Cultural Characterization of Isolates of *Alternaria sesami* Causing Sesame Leaf Blight. *International Journal of Current Microbiology and Applied Sciences.* 7 : 11 | 5.38 |
| 2018 | Raj Kumar S, Srinivas T, Prasanna Kumari V and Sai Ram Kumar DV. 2018. *In vitro* studies on dry root rot in chickpea by using fungicides, natural farming products and organic amendments. *International Journal of Chemical Studies.* 6(5): 3334-3338 | 5.31 |
| 2018 | D Sabina Mary, V Prasanna Kumari, V Manoj Kumar and KL Narasimha Rao. 2018. Effect of fungal culture filtrates on rice grain discolouration. *International Journal of Chemical Studies.* 6(5): 3319-3322 | 5.31 |
| 2018 | D Sabina Mary, V Prasanna Kumari, V Manoj Kumar and KL Narasimha Rao. 2018. Detection of mycoflora associated with rice grain discolouration. *International Journal of Chemical Studies.* 6(5): 3326-3329 | 5.31 |
| 2018 | B. Mohan Venkata Siva Prasad, S. L. Bhattiprolu, V. Prasanna Kumari and P. Anil Kumar. 2018. *In vitro* Evaluation of Fungicides against *Alternaria macrospora* Causing Leaf Spot in Cotton. *International Journal of Current Microbiology and Applied Sciences.* 7 : 1 | 5.38 |
| 2018 | B. Mohan Venkata Siva Prasad, S.L. Bhattiprolu, V. Prasanna Kumari and P. Anil Kumar. 2018. Study of Antagonistic Capabilities of *Trichoderma* spp. against *Alternaria macrospora* Zimm. Causing Leaf Spot in Cotton. *International Journal of Current Microbiology and Applied Sciences. 7*(6): 1146-1154 | 5.38 |
| 2019 | H Chandrajini Devi, V Prasanna Kumari and PH Sobita Devi. 2019. Morphological and phenotypic variability in blackgram genotypes with varying reaction to *Mungbean* yellow *Mosaic* virus infection. *Journal of Pharmacognosy and Phytochemistry.* 8(4): 1606-1610 | 5.21 |
| 2019 | Huirem Chandrajini Devi, V Prasanna Kumari, Dr. Ph. Sobita Devi, W Tampakleima Chanu and K Sarda Devi. 2019. Response of different blackgram [*Vigna mungo* (L.) Hepper] genotypes against mungbean yellow mosaic virus and whitefly (*Bemisia tabaci* Genn.). *Journal of Pharmacognosy and Phytochemistry*. 2019. 8(5): 1247-1250 | 5.21 |
| 2020 | Sayiprathap, B. R., Patibanda A. K., Prasanna Kumari V., Jayalalitha K., Srinivasa Rao V., Mamta Sharma, Hari Kishan Sudini. 2020. Prevalence of Sterility mosaic disease (SMD) and variability in pigeonpea sterility mosaic virus (PPSMV) in southern-India. *Indian Phytopathology* (online publication http://rdcu.be/b4sd3) | 5.9 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| S. No. | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM 12-42 | M. Divya | Effect of discolouration disease complex on rice seed quality and its management |
| 2 | BAM 13-44 | H. Chandrajini Devi | Morphological and biochemical variability in *Mungbean yellow mosaic virus (MYMV)* resistant and susceptible blackgram genotypes |
| 3 | BAM 14-43 | D. Sabina Mary | Studies on mycoflora associated with rice grain discolouration and deterioration |
| 4 | BAM 15-48 | G. Amulya | Phylogenetic variation and fungicidal management of *Cercospora abelmoschi* infecting okra |
| 5 | BAM 15-51 | V. Jyothsna | Characterization and management of Alternaria sesame (Kawamura) Mohanty and Behara on *Sesamum indicum* L. |
| 6 | BAM 16-57 | V. Divyamani | Studies on interaction among fungal leaf spot pathogens in relation to biochemical changes in cotton |
| 7 | BAM 17-44 | M. Sumanth Kumar | Characterization of sorghum turcicum leaf blight pathogen and its management |

**Information on Professional Certificates / Honors / Awards**

| Year | Type of Recognition | Presented by |
|---|---|---|
| 2019 | Dr. V. Prasanna Kumari | State Teacher Award, Govt. of AP, Dept. of Higher Education |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | Training cum Awareness Programme on Plant Variety Protection and DUS testing | Dept. of Genetics and Plant Breeding and PPV & FR Authority, N. Delhi |
| 2 | 2015 | Package of Practices of Oilseeds to farmers under NMOOP (MM-I) Scheme (6.03.2015 and 7.03.2015) | Department of Agriculture, Govt. of AP |
| 3 | 2015 | National Conference- Emerging Trends in Agrinanotechnology | RARS, Tirupati |

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|---|---|---|---|
| 4 | 2016 | Training programme on Diagnosis and Management of Insect pests, Diseases and Nutritional Disorders of Major crops (08.08.2016 to 12.08.2016) | Agricultural College, Bapatla, ANGRAU |
| 5 | 2016 | Conference on National Priorities in Plant Health Management | Plant Protection Association of India and ANGRAU |
| 6 | 2016 | Pest Risk Analysis (15.02.2016 to 19.02.2016) | National Institute of Plant Health management |
| 7 | 2016 | Data analysis using Statistical packages (30.05.2016 to 04.06.2016) | Agricultural College, Bapatla |
| 8 | 2018 | National Seminar- Techno strategic Interventions for profitable Agriculture (26.03.2018 to 27.03.2018) | Agricultural College, Bapatla |
| 9 | 2018 | Innovations in Integrated Management of Insect Pests and Diseases of field crops through Endophytes and PGPRs (13.11.2018 to 3 .12.2018) | ICAR Sponsored Winter school, UAS, Dharwad |
| 10 | 2018 | International Regulations in seed health testing | ANGRAU |
| 11 | 2019 | 5th National Asian PGPR conference for Sustainable and Organic Agriculture (23,25 Feb 2019) | Acharya Nagarjuna University, Guntur and India Chapter of Asian PGPR Society |
| 12 | 2019 | National conference for post graduate students On Novel approaches for doubling farmer income through Sustainable agricultural production systems | Agricultural College, Bapatla |
| 13 | 2020 | National Seminar on Innovations in Agriculture for Rural Development (IARD-2020) | The Andhra Agricultural Union, Agricultural College, Bapatla |

| **NAME OF THE STAFF** | **DR. V. MANOJ KUMAR** | |
|---|---|---|
| Designation | Associate Professor | |
| Date of Joining in University | 24.09.2007 | |
| Highest Educational Qualification | Ph D | |
| Experience | Total (Yrs) | 12.11 |
| | Teaching (yrs) | 08 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 4 |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 25 |
| | Last 5 years | 10 |

## Information on List of Publications (Last 5 years; 2015 onwards)

| S. No. | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2019 | Santhi Priya Ch, Ratna Babu D, Prasanna Rajesh A, Hari Satyanarayana N, Manoj Kumar V and Srinivasa Rao V 2019. Multivariant analysis using principal component analysis for various traits in Mungbean. *Journal of Pharmacognasy and Phytochemistry*. 8 (5): 2425-2429. | 5.21 |
| 2 | 2020 | Santhi Priya Ch, Ratna Babu D, Prasanna Rajesh A, Hari Satyanarayana N, Manoj Kumar V and Srinivasa Rao V 2020. Genetic distance among Mungbean Germplasm pertaining to grain yield and yield components. *International Journal of chemical Studies*. 8(4):2045-2050. | 5.3 |
| 3 | 2020 | Dhanpal R, Sai ram Kumar D V, Lakshmipathy R, Sandhya Rani C and Manoj Kumar V 2020. Exploration of indigenous strains of the green muscardine fungus from soils and pathogenicity against tobacco caterpillar, *Spodoptera litura* ( Fabricus) ( Lepidoptera : Noctuidae). *Egyptian journal of biological pest control*. 30:34. | 6.16 |
| 4 | 2020 | Dhanpal R, Sai ram Kumar D V, Lakshmipathy R, Sandhya Rani C and Manoj Kumar V 2020. Isolation of indigenous strains of the white halo fungus as a biological control agent against 3rd instar larvae of obacco caterpillar, *Spodoptera litura* ( Fabricus) ( Lepidoptera : Noctuidae). *Egyptian journal of biological pest control*. 30:89. | 6.16 |

## Information on Guidance to PG / Ph.D students (Total Service) as Chairman

| S. No. | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM-11-15 | Neeraja B | Effect of Agrochemicals on *Trichoderrma harzianum* |
| 2 | BAM-12-43 | Janaki Ratnam N | Studies on viral diseases of urdbean *Vigna mungo* (L) Hepper |
| 3 | BAM-12-45 | Sowmya Lakshmi G | Epidemiology and management of bud necrosis and stem necrosis infecting groundnut ( *Arachis hypogeae* L ) |
| 4 | BAM-13-42 | Bhavani G | Studies on leaf crinkle disease of urdbean (*Vigna mungo* (L) Hepper ) |
| 5 | BAM-13-45 | Lalitha D | Studies on Early and Late leafspot diseases of Groundnut ( *Arachis hypogeae* L ) |
| 6 | BAM-14-44 | Tulasi K | Studies on powdery mildew of urdbean (*Vigna mungo* (L) Hepper ) |
| 7 | BAM-15-49 | Bhavani B | Studies on management of fungal foliar diseases of groundnut in Guntur district of Andhra Pradesh |

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|---|---|---|---|
| 8 | BAM-15-50 | Gunasree R | Studies on management of fungal foliar diseases of blackgram (*Vigna mungo* (L.) Hepper) in Guntur district of Andhra Pradesh |
| 9 | BAM-16-58 | Manasa P | Studies on late leaf spot diseases of groundnut (*Phaeoisariopsis personata* BERK and CURT) |
| 10 | BAM-16-60 | Raga Sravanthi B | Studies on the role of structural and biochemical defense components against blackgram powdery mildew ( *Erysiphe polygoni* D C ) |
| 11 | BAM-17-45 | Sushitha | Studies on antagonistic potential of methylotrophic bacteria against *Sclerotium rolfsi* in Groundnut ( *Arachis hypogeae* L ) |
| 12 | BAM-17-46 | Usha Rani L | Studies on urdbean leaf crinckle on urdbean (*Vigna mungo* (L.) Hepper) |

**Participation In Symposia / Workshops / Training / Consultancy visits / Special Assignment (LAST 5 YEARS)**

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2016 | Attended ICAR- AGRIUNIFEST along with ANGRAU students as contingent leader | OUAT, Bhubaneswar |
| 2017 | External examiner for Ph D comprehensive viva voce examination | UAHS, Shimoga |
| 2017 | National Youth Parliament Competitions 2017-18 - coordinator | Ministry of parliamentary affairs |
| 2018 | Advanced technology in plant health management and pest risk analysis for improvisation of Indian Agriculture and farmers for delivering a guest lecture and for monitoring as ICAR nominee | CAFT, Dept of Pl Pathology, GBPUA&T, Udhamsinghnagar |
| 2018 | Moderation duty for ICAR, ARS, Mains examination for Plant Pathology discipline | ICAR, New Delhi |
| 2018 | External examiner for Ph D final viva voce examination | UAS, Raichur |
| 2018 | Expert member for Plant Pathology C A S interviews | Dr. Y S R Horticultural University, |
| 2018 | Expert to scrutinize the CAS applications | IIRR, Rajendranagar, Hyderabad |
| 2020 | National Conference on Climate resilient agriculture for sustainable production and nutritional security | NAHEP, UAS, Dharwad. |
| 2020 | National Seminar on Innovations in Agriculture for Rural Development | ANGRAU, Ag College, Bapatla |

| NAME OF THE STAFF | SHAIK ABDUL SALAM | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 11.06.2014 | |
| Highest Educational Qualification | M.Sc. (Agriculture) | |
| Experience | Total (Yrs) | 04 |
| | Teaching (yrs) | 04 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 01 |
| | Last 5 years | Table below |

**Participation In Symposia / Workshops / Training / Consultancy visits / Special Assignment (LAST 5 YEARS)**

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2015 | National conference on "Emerging Trends in Agrinanotechnology". | ANGRAU, Andhra Pradesh |
| 2016 | Data analysis using statistical packages. | ANGRAU, Andhra Pradesh |
| 2019 | National Seminar on Mushrooms – Rise of research and retreats for humanity. | TNAU, Coimbatore |
| 2019 | National Symposium on Mitigation of Emerging Plant Diseases under Changing Climate Scenario | ISPP, PAU, Ludhiana and TNAU, Coimbatore. |
| 2019 | National Workshop on production technology on Mushrooms "Skill Empowerment on Milky Mushroom Production Technology" | TNAU, Coimbatore |
| 2019 | National Workshop on production technology on Mushrooms "Protoplasmic Fusion Technology for Strain Improvement in Mushrooms" | TNAU, Coimbatore |
| 2019 | National Workshop on production technology on Mushrooms "Techniques on Oyster Mushroom Production" | TNAU, Coimbatore |
| 2019 | National Workshop on production technology on Mushrooms "Antimicrobial Biomolecules for Plant Health" | TNAU, Coimbatore |

| NAME OF THE STAFF | N. KIRAN KUMAR | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 21.08.2017 | |
| Highest Educational Qualification | M.Sc. (Agriculture) | |
| Experience | Total (Yrs) | 2.11 |
| | Teaching (yrs) | 0.4 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 2 |
| | Last 5 years | Table below |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2017 | Kiran Kumar N, Krishnamoorthy A S and Kamalakannan A 2017 Formulation of liquid spawn base of paddy straw mushroom, *Volvariella volvacea* (Bull. Ex Fr.) Sing. *International Journal of Chemical Studies*, 5(3): 138-142. | 5.3 |
| 2018 | Sangeetha C, Krishnamoorthy A S, Kiran Kumar N and Arumuka Pravin I 2018 Effect of Headspace and Trapped Volatile Organic Compounds (VOCs) of the Chinese Caterpillar Mushroom, *Ophiocordyceps sinensis* (Ascomycetes), against Soil-Borne Plant Pathogens. *International Journal of Medicinal Mushrooms*, 20(9):825-835. | 7.2 |

**Participation In Symposia / Workshops / Training / Consultancy visits / Special Assignment (LAST 5 YEARS)**

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2017 | National conference on emerging trends in Agrinanotechnology- 2017 | ANGRAU |
| 2017 | National Conference on Doubling farmers income for Sustainable and Harmonious Agriculture "DISHA-2017" | S.V. University |
| 2017 | One day training on usage of ARMS portal | ANGRAU |
| 2018 | 6th Foundation Course for Faculty of Agricultural Universities | NAARM |
| 2018 | State Level Biosafety Capacity Building Workshop | ANGRAU |
| 2019 | Hands on training programme on Pesticide Residue Analysis, and operating of HPLC, GCMS-MS, GC- ECD | ANGRAU |
| 2019 | National Seminar on Mushrooms- Rise of Research and Retreats for Humanity | TNAU, Coimbatore |
| 2019 | National work shop on antimicrobial molecules for plant health and protoplasmic fusion technology for strain improvement in mushrooms | TNAU, Coimbatore |
| 2019 | Advances in biosciences and technology: impact on Animal and Human health (ICABT, 2019) | S.V. University |
| 2019 | Bioinformatics in Human Health | S.V. University |
| 2019 | Prepared ODLC training manual on Mushroom cultivation. Pp-182 | ANGRAU |

## DEPARTMENT OF PLANT PATHOLOGY

### Information on list of publications (last 5 years; 2015 onwards)

| S. No. | Year | Title of the publication | NAAS rating |
|---|---|---|---|
| 1 | 2016 | Ranga Rani A, Khayum Ahammed S, Patibanda A K and Sarada Jayalakshmi Devi R 2016. Characterization and rhizosphere competence of Trichoderma spp. in different cropping systems of Chittoor district (AP). *Indian Phytopathology* 69(4s): 260-265. | 5.9 |
| 2 | 2017 | Ranga Rani A, Khayum Ahammed S and Patibanda A K 2017. Genetic diversity of Trichoderma sp. from rhizosphere regions of different cropping systems using RAPD markers. *International Journal of Current Microbiology and Applied Sciences*. 6(7): 1618-1624. | 5.38 |
| 3 | 2017 | Ranga Rani A, Khayum Ahammed S and Patibanda A K 2017. Morphological and biochemical characterization of Trichoderma spp. in different cropping systems of Chittoor district (AP). *The Bioscan* 12(1): 129-134. | 5.26 |
| 4 | 2017 | Siva Prasad B M V, Bhattiprolu S. L., Prasanna Kumari V. and Anil Kumar P. 2017. *In vitro* evaluation of bacterial biocontrol agents and botanicals against Alternaria leaf spot caused by *Alternaria macrospora* in cotton. *International Journal of Current Microbiology and Applied Sciences.* 6 (11): 750-758 | 5.38 |
| 5 | 2018 | Chiranjeevi N, Anil Kumar P, Saradajayalakshmi R, Hari Prasad K V and Prasad T N V K V. 2018. Effect of carbon and nitrogen sources in the medium on silver nano conversion and assessment of silver nano conversion principle in culture filtrate. *Journal of Pharmacology and Phytochemistry SPL*. 157-160. | 5.21 |
| 6 | 2018 | Chiranjeevi N, Anil Kumar P, Saradajayalakshmi R, Hari Prasad K V and Prasad T N V K V. 2018. Bioefficacy of biogenic silver nano particle against rice sheath blight causing pathogen *Rhizoctonia solani* Kuhn. International *Journal of Current Microbiology and Applied Sciences.* 7(7): 4148-4160. | 5.38 |
| 7 | 2018 | Chiranjeevi N, Anil Kumar P, Saradajayalakshmi R, Hari Prasad K V and Prasad T N V K V. 2018. Effect of seed treatment and spray with biosilver nano particles and biocontrol agents on defense related enzymes activity in rice seedlings and plant growth parameters *in vitro*. International *Journal of Chemical Studies.* 6(3): 882-890. | 5.31 |
| 8 | 2018 | Chiranjeevi N, Anil Kumar P, Saradajayalakshmi R, Hari Prasad K V and Prasad T N V K V. 2018. Testing the effect of silvernano particles on the radial growth of *Rhizoctonia solani*, *Trichoderma* species and | 5.31 |

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| | | *Pseudomonas fluorescens in vitro.*. International *Journal of Chemical Studies* 6(3): 1917-1922 | |
| 9 | 2018 | Siva Prasad B M V, Bhattiprolu S. L., Prasanna Kumari V. and Anil Kumar P. 2018. *In vitro* evaluation of fungicides against *alternaria macrospora* causing leaf spot in cotton. *International Journal of Current Microbiology and Applied Sciences.* 7 : 1 | 5.38 |
| 10 | 2018 | Siva Prasad B M V, Bhattiprolu S. L., Prasanna Kumari V. and Anil Kumar P. 2018. Study of Antagonistic Capabilities of *Trichoderma* spp. against *Alternaria macrospora* Zimm. Causing Leaf Spot in Cotton. *International Journal of Current Microbiology and Applied Sciences. 7*(6): 1146-1154 | 5.38 |
| 11 | 2020 | Mounica D., Krishnayya P. V., Srinivasa Rao M., Patibanda A. K. and Srinivasa Rao V. 2020. Effect of elevated $CO_2$ and temperature on thermal constants and lower threshold temperatures of maize aphid, *Rhopalosiphum maidis* (Fitch.) (Aphididae:Hemiptera) on maize, *Zea mays* (Linn.) *Journal of Agrometeorology,* 22 (2):116-123 | 6.64 |
| 12 | 2020 | Sayiprathap, B. R., Patibanda A. K., Prasanna Kumari V., Jayalalitha K., Srinivasa Rao V., Mamta Sharma, Hari Kishan Sudini. 2020. Prevalence of Sterility mosaic disease (SMD) and variability in pigeonpea sterility mosaic virus (PPSMV) in southern-India. *Indian Phytopathology* (online publication http://rdcu.be/b4sd3) | 5.9 |
| 13 | 2017 | Chandrajini Devi, H., Prasanna Kumari, V., Sobita Devi Ph. and Bireswar Sinha. 2017. Screening of blackgram genotypes for molecular variability in reaction to *Mungbean* yellow mosaic disease. *Indian Phytopathology* 70 (30): 353-358 | 5.9 |
| 14 | 2017 | Mohan venkata sivaprasad, S.L. Bhattiprolu, V. Prasanna Kumari and Anil Kumar, P. 2017 *In vitro* Evaluation of Bacterial biocontrol agents and Botanicals against Alternaria leaf spot caused by *Alternaria macrospora* in cotton. *International Journal of Current Microbiology and Applied Sciences.* 6 (11): 750-758 | 5.38 |
| 15 | 2018 | Amulya, G., Prasanna Kumari, V., Manoj Kumar, V and Ashoka Rani, Y. 2018. Evaluation of genetic diversity of *Cercospora abelmoschi* infecting okra in Guntur district, Andhra Pradesh, India. *International Journal of Current Microbiology and Applied Sciences.* 7 (1): 1925-1931 | 5.38 |
| 16 | 2018 | Bhavani, B, V Manoj Kumar, V Prasanna Kumari. 2018. Influence of weather on severity of late leaf spot on selected Groundnut Genotypes. *International Journal of Current Microbiology and Applied Sciences*. 6 special issue : 1953-1962 | 5.38 |
| 17 | 2018 | Reddi Gunasri, V. Manoj Kumar, V. Prasanna Kumari, B. Sreekanth and D.V. Sairam Kumar. 2018. | 5.38 |

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|---|---|---|---|
| | | Screening of Blackgram Genotypes for Resistance against Corynespora Leaf Spot and Cercospora Leaf Spot. *International Journal of Current Microbiology and Applied Sciences.* 7 :11 | |
| 18 | 2018 | Vulimiri Jyothsna, V. Prasanna Kumari, V. Manoj Kumar and B. Sreekanth. 2018. Morphological and Cultural Characterization of Isolates. of *Alternaria sesami* Causing Sesame Leaf Blight. *International Journal of Current Microbiology and Applied Sciences.* 7 : 11 | 5.38 |
| 19 | 2018 | Raj Kumar S, Srinivas T, Prasanna Kumari V and Sai Ram Kumar DV. 2018. *In vitro* studies on dry root rot in chickpea by using fungicides, natural farming products and organic amendments. *International Journal of Chemical Studies.* 6(5): 3334-3338 | 5.31 |
| 20 | 2018 | D Sabina Mary, V Prasanna Kumari, V Manoj Kumar and KL Narasimha Rao. 2018. Effect of fungal culture filtrates on rice grain discolouration. *International Journal of Chemical Studies.* 6(5): 3319-3322 | 5.31 |
| 21 | 2018 | D Sabina Mary, V Prasanna Kumari, V Manoj Kumar and KL Narasimha Rao. 2018. Detection of mycoflora associated with rice grain discolouration. *International Journal of Chemical Studies.* 6(5): 3326-3329 | 5.31 |
| 22 | 2018 | B. Mohan Venkata Siva Prasad, S. L. Bhattiprolu, V. Prasanna Kumari and P. Anil Kumar. 2018. *In vitro* Evaluation of Fungicides against *Alternaria macrospora* Causing Leaf Spot in Cotton. *International Journal of Current Microbiology and Applied Sciences.* 7 : 1 | 5.38 |
| 23 | 2018 | B. Mohan Venkata Siva Prasad, S.L. Bhattiprolu, V. Prasanna Kumari and P. Anil Kumar. 2018. Study of Antagonistic Capabilities of *Trichoderma* spp. against *Alternaria macrospora* Zimm. Causing Leaf Spot in Cotton. *International Journal of Current Microbiology and Applied Sciences. 7*(6): 1146-1154 | 5.38 |
| 24 | 2019 | H Chandrajini Devi, V Prasanna Kumari and PH Sobita Devi. 2019. Morphological and phenotypic variability in blackgram genotypes with varying reaction to *Mungbean* yellow *Mosaic* virus infection. *Journal of Pharmacognosy and Phytochemistry.* 8(4): 1606-1610 | 5.21 |
| 25 | 2019 | Huirem Chandrajini Devi, V Prasanna Kumari, Dr. Ph. Sobita Devi, W Tampakleima Chanu and K Sarda Devi. 2019. Response of different blackgram [*Vigna mungo* (L.) Hepper] genotypes against mungbean yellow mosaic virus and whitefly (*Bemisia tabaci* Genn.). *Journal of Pharmacognosy and Phytochemistry*. 2019. 8(5): 1247-1250 | 5.21 |
| 26 | 2020 | Santhi Priya Ch, Ratna Babu D, Prasanna Rajesh A, Hari Satyanarayana N, Manoj Kumar V and Srinivasa Rao V 2020. Genetic distance among Mungbean Germplasm pertaining to grain yield and yield components. *International Journal of chemical Studies*. 8(4):2045-2050. | 5.3 |
| 27 | 2020 | Dhanpal R, Sai ram Kumar D V, Lakshmipathy R, Sandhya Rani C and Manoj Kumar V 2020. Exploration of | 6.16 |

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| | | indigenous strains of the green muscardine fungus from soils and pathogenicity against tobacco caterpillar, *Spodoptera litura* ( Fabricus) ( Lepidoptera : Noctuidae). *Egyptian journal of biological pest control*. 30:34. | |
| 28 | 2020 | Dhanpal R, Sai ram Kumar D V, Lakshmipathy R, Sandhya Rani C and Manoj Kumar V 2020. Isolation of indigenous strains of the white halo fungus as a biological control agent against 3rd instar larvae of obacco caterpillar, *Spodoptera litura* ( Fabricus) ( Lepidoptera : Noctuidae). *Egyptian journal of biological pest control*. 30:89. | 6.16 |
| 29 | 2019 | Santhi Priya Ch, Ratna Babu D, Prasanna Rajesh A, Hari Satyanarayana N, Manoj Kumar V and Srinivasa Rao V 2019. Multivariant analysis using principal component analysis for various traits in Mungbean. *Journal of Pharmacognasy and Phytochemistry*. 8 (5): 2425-2429. | 5.21 |
| 30 | 2017 | Kiran Kumar N, Krishnamoorthy A S and Kamalakannan A 2017 Formulation of liquid spawn base of paddy straw mushroom, *Volvariella volvacea* (Bull. Ex Fr.) Sing. *International Journal of Chemical Studies*, 5(3): 138-142. | 5.3 |
| 31 | 2018 | Sangeetha C, Krishnamoorthy A S, Kiran Kumar N and Arumuka Pravin I 2018 Effect of Headspace and Trapped Volatile Organic Compounds (VOCs) of the Chinese Caterpillar Mushroom, *Ophiocordyceps sinensis* (Ascomycetes), against Soil-Borne Plant Pathogens. *International Journal of Medicinal Mushrooms*, 20(9):825-835. | 7.2 |

**Information on awards / recognitions / certificates : (last 5 years; 2015 onwards)**

| Year | Name of the Staff | Type of Recognition |
|---|---|---|
| 2019 | Dr. V. Prasanna Kumari | State Teacher Award, Govt. of AP, |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments (last 5 years; 2015 onwards)**

| S.No | Year | Name of the staff | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2020 | Dr. P. Anil Kumar | National Conference on Climate resilient agriculture for sustainable | NAHEP, UAS, Dharwad. |

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|---|---|---|---|---|
| | | | production and nutritional security | |
| 2 | 2020 | Dr. P. Anil Kumar | National Seminar on Innovations in Agriculture for Rural Development | ANGRAU, Ag College, Bapatla |
| 3 | 2018 | Dr. P. Anil Kumar | Advanced technology in plant health management and pest risk analysis for improvisation of Indian Agriculture and farmers for delivering a guest lecture and for monitoring as ICAR nominee | CAFT, Dept of Pl Pathology, GBPUA&T, Udhamsinghnagar |
| 4 | 2018 | Dr. P. Anil Kumar | Moderation duty for ICAR, ARS, Mains examination for Plant Pathology discipline | ICAR, New Delhi |
| 5 | 2018 | Dr. P. Anil Kumar | External examiner for Ph D final viva voce examination | UAS, Raichur |
| 6 | 2018 | Dr. P. Anil Kumar | Expert member for Plant Pathology C A S interviews | Dr. Y S R Horticultural University, |
| 7 | 2018 | Dr. P. Anil Kumar | Expert to scrutinize the CAS applications | IIRR, Rajendranagar, Hyderabad |
| 8 | 2017 | Dr. P. Anil Kumar | External examiner for Ph D comprehensive viva voce examination | UAHS, Shimoga |
| 9 | 2017 | Dr. P. Anil Kumar | National Youth Parliament Competitions 2017-18 - coordinator | Ministry of parliamentary affairs |
| 10 | 2016 | Dr. P. Anil Kumar | Attended ICAR- AGRIUNIFEST along with ANGRAU students as contingent leader | OUAT, Bhubaneswar |
| 11 | 2015 | Dr. V. Prasanna Kumari | Training cum Awareness Programme on Plant Variety Protection and DUS testing | Dept. of Genetics and Plant Breeding and PPV & FR Authority, N. Delhi |
| 12 | 2015 | Dr. V. Prasanna Kumari | Package of Practices of Oilseeds to farmers under NMOOP (MM-I) Scheme (6.03.2015 and 7.03.2015) | Department of Agriculture, Govt. of AP |
| 13 | 2015 | Dr. V. Prasanna Kumari | National Conference- Emerging Trends in Agrinanotechnology | RARS, Tirupati |
| 14 | 2016 | Dr. V. Prasanna Kumari | Training programme on Diagnosis and Management of Insect pests, Diseases and Nutritional Disorders of Major crops (08.08.2016 to 12.08.2016) | Agricultural College, Bapatla, ANGRAU |
| 15 | 2016 | Dr. V. Prasanna | Conference on National Priorities in Plant Health Management | Plant Protection |

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|---|---|---|---|---|
| | | Kumari | | Association of India and ANGRAU |
| 16 | 2016 | Dr. V. Prasanna Kumari | Pest Risk Analysis (15.02.2016 to 19.02.2016) | National Institute of Plant Health management |
| 17 | 2016 | Dr. V. Prasanna Kumari | Data analysis using Statistical packages (30.05.2016 to 04.06.2016) | Agricultural College, Bapatla |
| 18 | 2018 | Dr. V. Prasanna Kumari | National Seminar- Techno strategic Interventions for profitable Agriculture (26.03.2018 to 27.03.2018) | Agricultural College, Bapatla |
| 19 | 2018 | Dr. V. Prasanna Kumari | Innovations in Integrated Management of Insect Pests and Diseases of field crops through Endophytes and PGPRs (13.11.2018 to 3 .12.2018) | ICAR Sponsored Winter school, UAS, Dharwad |
| 20 | 2018 | Dr. V. Prasanna Kumari | International Regulations in seed health testing | ANGRAU |
| 21 | 2019 | Dr. V. Prasanna Kumari | 5th National Asian PGPR conference for Sustainable and Organic Agriculture (23,25 Feb 2019) | Acharya Nagarjuna University, Guntur and India Chapter of Asian PGPR Society |
| 22 | 2019 | Dr. V. Prasanna Kumari | National conference for post graduate students<br>On Novel approaches for doubling farmer income through Sustainable agricultural production systems | Agricultural College, Bapatla |
| 23 | 2020 | Dr. V. Prasanna Kumari | National Seminar on Innovations in Agriculture for Rural Development (IARD-2020) | The Andhra Agricultural Union, Agricultural College, Bapatla |
| 24 | 2020 | Dr. V. Manoj Kumar | Techniques in molecular biology with emphasis on virology | S.V. University, Tirupati |
| 25 | 2020 | Dr.V. Manoj Kumar | MOOC on Integrated Pest Management | UAS, Raichur |
| 26 | 2015 | Sri. Shaik Abdul Salam | National conference on “Emerging Trends in Agrinanotechnology”. | ANGRAU, Andhra Pradesh |
| 27 | 2016 | Sri. Shaik Abdul Salam | Data analysis using statistical packages. | ANGRAU, Andhra Pradesh |

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|---|---|---|---|---|
| 28 | 2019 | Sri. Shaik Abdul Salam | National Seminar on Mushrooms – Rise of research and retreats for humanity. | TNAU, Coimbatore |
| 29 | 2019 | Sri. Shaik Abdul Salam | National Symposium on Mitigation of Emerging Plant Diseases under Changing Climate Scenario | ISPP, PAU, Ludhiana and TNAU, Coimbatore. |
| 30 | 2019 | Sri. Shaik Abdul Salam | National Workshop on production technology on Mushrooms "Skill Empowerment on Milky Mushroom Production Technology" | TNAU, Coimbatore |
| 31 | 2019 | Sri. Shaik Abdul Salam | National Workshop on production technology on Mushrooms "Protoplasmic Fusion Technology for Strain Improvement in Mushrooms" | TNAU, Coimbatore |
| 32 | 2019 | Sri. Shaik Abdul Salam | National Workshop on production technology on Mushrooms "Techniques on Oyster Mushroom Production" | TNAU, Coimbatore |
| 33 | 2019 | Sri. Shaik Abdul Salam | National Workshop on production technology on Mushrooms "Antimicrobial Biomolecules for Plant Health" | TNAU, Coimbatore |
| 34 | 2017 | Sri. N. Kiran Kumar | National conference on emerging trends in Agrinanotechnology- 2017 | ANGRAU |
| 35 | 2017 | Sri. N. Kiran Kumar | National Conference on Doubling farmers income for Sustainable and Harmonious Agriculture "DISHA-2017" | S.V. University |
| 36 | 2017 | Sri. N. Kiran Kumar | One day training on usage of ARMS portal | ANGRAU |
| 37 | 2018 | Sri. N. Kiran Kumar | 6th Foundation Course for Faculty of Agricultural Universities | NAARM |
| 38 | 2018 | Sri. N. Kiran Kumar | State Level Biosafety Capacity Building Workshop | ANGRAU |
| 39 | 2019 | Sri. N. Kiran Kumar | Hands on training programme on Pesticide Residue Analysis, and operating of HPLC, GCMS-MS, GC- ECD | ANGRAU |
| 40 | 2019 | Sri. N. Kiran Kumar | National Seminar on Mushrooms- Rise of Research and Retreats for Humanity | TNAU, Coimbatore |
| 41 | 2019 | Sri. N. Kiran Kumar | National work shop on antimicrobial molecules for plant health and protoplasmic fusion technology for strain improvement in mushrooms | TNAU, Coimbatore |
| 42 | 2019 | Sri. N. Kiran Kumar | Advances in biosciences and technology: impact on Animal and Human health (ICABT, 2019) | S.V. University |
| 43 | 2019 | Sri. N. Kiran Kumar | Bioinformatics in Human Health | S.V. University |

## DEPARTMENT OF CROP PHYSIOLOGY

| NAME OF THE STAFF | DR. K. JAYALALITHA | |
|---|---|---|
| Designation | Professor (CAS) | |
| Date of Joining in University | 23.09.1998 | |
| Highest Educational Qualification | Ph.D. (Ag) | |
| Experience | Total (Yrs) | 22 |
| | Teaching (yrs) | 17 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 3 |
| | Last 5 years | 3 |
| Number of M.Sc & Ph.D students Guided | Total | 7 |
| | Last 5 years | 7 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2015 | Jayalalitha K, Ashoka Rani Y, Ratna Kumari S and Prasuna Rani P 2015 Effect of water stress on morphological, physiological parameters on seed cotton yield of *Bt* Cotton (*Gossypium hirsutum* L.). Hybrids *International Journal of Food, Agriculture and Veterinary Sciences* Vol.5(3):99-112 | ICV 68.55 |
| 2 | 2015 | Tufail Manzoor and Jayalalitha K 2015 Effect of waterlogging on biochemical parameters and yield in Maize (*Zea mays* L.) Hybrids. *International Journal of Food, Agriculture and Veterinary Science*. 5(2): 92-27. | ICV 68.55 |
| 3 | 2016 | Harithavardhini J, Jayalalitha K, Ashoka Rani Y and Krishna Veni B 2016 Efficacy of post emergence herbicide on weed control efficiency, partitioning of drymatter and yield of blackgram (*Vigna mungo* (L.) Hepper) *International Journal of Food, Agriculture and Veterinary Sciences*, 6(2): 39-44. | ICV 68.55 |
| 4 | 2017 | Harithavardhini J, Jayalalitha K, Ashoka Rani Y and Krishna Veni B 2017 Effect of post emergence herbicides on photosynthetic pigments, antioxidant enzyme activity and yield of blackgram. *Bulletin of Environment, Pharmacology and Life Sciences.* 6(Spl Issue (3)): 20-26 | 5.10 |
| 5 | 2018 | Hareesh Babu P, Narasimha Rao K L and Jayalalitha K 2018 Assessment of different dust pollutants effect on total chlorophyll content, transpiration rate and yield of blackgram (*Phaseolus mungo* L.) *International Journal of current microbiology and applied sciences*. 7(4): 2890-2896. | 5.38 |
| 6 | 2019 | Srikanth B, Jayalalitha K, Ashoka Rani Y, Sree Rekha M and Mohammed Anwar Ali 2019 Zinc induced osmoregulation and antioxidant defence system in mungbean (*Vigna radiate* L.) under drought stress. *Journal of Pharmacognosy and Phytochemistry* 8(2): 1511-1514. | 5.21 |

**Information on Guidance to PG / Ph.D students (Total Service) as Chair Person**

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1. | BAM 13-18 | R. Kiran Naik | Studies on the influence of Boron, NAA and GA on spikelet sterility and yield in rice (*Oryza sativa* L.) |
| 2 | BAM 13-20 | Tufail Manzoor | Evaluation of Maize (*Zea mays* L.) hybrids for tolerance to waterlogging |
| 3 | BAM 14-18 | J. Harita Vardhini | Effect of post emergence herbicides on growth, physiological parameters and yield of blackgram (*Vigna mungo*(L.) Hepper. |
| 4 | BAM 15-25 | P. Durga Mounica | Effect of Salicylic acid on growth, physiological parameters, antioxidant defence system and yield in chickpea (*Cicer arietinum* L.) under water stress. |
| 5 | BAM 16-27 | K. Sumaja Gandhi | Variation in photosynthesis and associated parameters in relation to yield in rice (*Oryza sativa* L.) |
| 6 | BAD 16-11 | Mohammad. Anwar Ali | Variation in nutrient uptake, photosynthesis and yield of Maize (*Zea mays* L.) as influenced by heat stress and bioinoculants |
| 7 | BAM 16-31 | B. Srikanth | Effect of seed pre-treatment and foliar application of zinc on growth, physiological parameters and yield of mungbean (*Vigna radiata* L.) under water stress. |
| 8 | BAM 18-24 | T.Vaghdevi | Characterization of foxtail millet (*Setaria italica* L.) varieties for growth, photosynthesis and yield in rainfed conditions. |

**Participation in Seminars / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years):**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | Plant varietal protection and DUS testing (one day training) | Dept. of GPBR, AGC, Bapatla (A.P) and PPV & FR, New Delhi (25.02.2015) |
| 2 | 2016 | 5 day Training programme on "Diagnosis and management of insect pests, diseases nd nutritional disorders of major crops" for the plant protection/ TOT scientists working at DAATTCs ad KVKs of ANGRAU | Dept. of Crop Physiology, AGC, Bapatla, in collaboration with the Depts. of Pathology and Entomology, ANGRAU during 8-12th August, 2016 |
| 3 | 2018 | National seminar on "Futuristic | ICAR-ANGRAU and NABARD |

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|---|---|---|---|
| | | agriculture for sustainable food security" (3days Seminar) | at SVU, Tirupati (AP) 21-23 February, 2018 |
| 4 | 2018 | National seminar on "Techno-strategic interventions for profitable agriculture | ANGRAU, AGC, Bapatla (A.P) 26-27 March, 2018 |
| 5 | 2019 | Two days National conference on "Strategic approaches for developing world class Agricultural Universities" | IDP, ANGRAU at AGC, Bapatla (AP) during 19 & 20 March, 2019 |
| 6 | 2019 | One day training programme for farmers on "Nutrient deficiencies and their management in Groundnut" at adopted village, Perali, Bapatla (M), Guntur Dist. | Dept. of Crop Physiology, AGC, Bapatla, ANGRAU on 19.12.2019 |

| **NAME OF THE STAFF** | **DR.M. RAVI BABU** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 08.08.2011 | |
| Highest Educational Qualification | Ph.D. (Ag) | |
| Experience | Total (Yrs) | 9 |
| | Teaching (yrs) | 9 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 9 |
| | Last 5 years | 5 |

**Information on list of publications (last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication | NAAS rating |
|---|---|---|---|
| 1 | 2019 | Ravi Babu M 2019 Determination of crop phenological phase based on leaf number and net photosynthetic rate in six maize (*Zea mays* L.) hybrids *International Journal of Current Microbiology and Applied Science* 8(9) :2887-2893 | 5.31 |
| 2 | 2020 | Ravi Babu M 2020 Prediction of phenological phases of six maize (*Zea mays* L.) hybrids based on required growing degree days *International Journal of Chemical studies* | 5.39 |
| 3 | 2020 | Ravi Babu M 2020 Physiological assessment of growth and yield of six maize hybrids in relation to growing degree days *International Journal of Chemical studies* 8(4) : 1546-1554 | 5.39 |
| 4 | 2020 | Ravi Babu M 2020 Impact of saline water on growth, yield, quality and nutrient uptake in various crops: A Review *International Journal of Chemical studies* 8(4) : 2344-2347 | 5.39 |
| 5 | 2020 | Ravi Babu M 2020 Concept of plasticity and molecular mechanism in plants : A Review *International Journal of Current Microbiology and Applied Science* 8(11) :2474-2489 | 5.31 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | Plant varietal protection and DUS testing (one day training) | Dept. of GPBR, AGC, Bapatla (A.P) and PPV & FR, New Delhi (25.02.2015) |
| 2 | 2016 | Recent advances in Applied Crop Physiology (10 days training) | Dept. of Crop Physiology, TNAU, Coimbatore, ICAR Sept 2-11, 2016 |
| 3 | 2016 | 5 day Training programme on "Diagnosis and management of insect pests, diseases nd nutritional disorders of major crops" for the plant protection/ TOT scientists working at DAATTCs ad KVKs of ANGRAU | Dept. of Crop Physiology, AGC, Bapatla, in collaboration with the Depts. of Pathology and Entomology, ANGRAU during 8-12$^{th}$ August, 2016 |
| 4 | 2017 | Recent advances in Abiotic stress management for climate smart Agriculture (21 days summer school training) | ICAR-NIASM, Malegon, Baramati Sept 8-28, 2017 |
| 5 | 2018 | Advance computational and statistical tools for data analysis (10 days training) | Dept. of Statistics and Computer Applications, AGC, Bapatla and ICAR, New Delhi May 21-30, 2018. |
| 6 | 2019 | Abiotic stress advances, impacts and prospects in Crop Plants (21 days winter school) | Dept. of CPHY, AAU and ICAR (Feb 6-28, 2019) |
| 7 | 2019 | Abiotic stress advances, impacts and prospects in Crop Plants (21 days winter school) | Dept. of Crop Physiology, AAU and ICAR (Feb 6-28, 2019) |
| 8 | 2019 | Disease diagnosis techniques in Crop Plants (6 weeks Ag MOOCS online training course) | BHU, Varanasi, CSIR and IIT, Khargpur, Oct 12-Dec 13, 2019 |
| 9 | 2019 | One day training programme for farmers on "Nutrient deficiencies and their management in Groundnut" at adopted village, Perali, Bapatla (M), Guntur Dist. | Dept. of Crop Physiology, AGC, Bapatla, ANGRAU on 19.12.2019 |

## DEPARTMENT OF CROP PHYSIOLOGY

### Information on list of publications (last 5 years; 2015 onwards)

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2015 | Jayalalitha K, Ashoka Rani Y, Ratna Kumari S and Prasuna Rani P 2015 Effect of water stress on morphological, physiological parameters on seed cotton yield of *Bt* Cotton (*Gossypium hirsutum* L.). Hybrids *International Journal of Food, Agriculture and Veterinary Sciences* Vol.5(3):99-112 | ICV 68.55 |
| 2 | 2015 | Tufail Manzoor and Jayalalitha K 2015 Effect of waterlogging on biochemical parameters and yield in Maize (*Zea mays* L.) Hybrids. *International Journal of Food, Agriculture and Veterinary Science*. 5(2): 92-27. | ICV 68.55 |
| 3 | 2016 | Harithavardhini J, Jayalalitha K, Ashoka Rani Y and Krishna Veni B 2016 Efficacy of post emergence herbicide on weed control efficiency, partitioning of drymatter and yield of blackgram (*Vigna mungo* (L.) Hepper) *International Journal of Food, Agriculture and Veterinary Sciences*, 6(2): 39-44. | ICV 68.55 |
| 4 | 2017 | Harithavardhini J, Jayalalitha K, Ashoka Rani Y and Krishna Veni B 2017 Effect of post emergence herbicides on photosynthetic pigments, antioxidant enzyme activity and yield of blackgram. *Bulletin of Environment, Pharmacology and Life Sciences.* 6(Spl Issue (3)): 20-26 | 5.10 |
| 5 | 2018 | Hareesh Babu P, Narasimha Rao K L and Jayalalitha K 2018 Assessment of different dust pollutants effect on total chlorophyll content, transpiration rate and yield of blackgram (*Phaseolus mungo* L.) *International Journal of current microbiology and applied sciences*. 7(4): 2890-2896. | 5.38 |
| 6 | 2019 | Srikanth B, Jayalalitha K, Ashoka Rani Y, Sree Rekha M and Mohammed Anwar Ali 2019 Zinc induced osmoregulation and antioxidant defence system in mungbean (*Vigna radiate* L.) under drought stress. *Journal of Pharmacognosy and Phytochemistry* 8(2): 1511-1514. | 5.21 |
| 7 | 2017 | Anand Rao N, Sreekanth B, Madhav M S and Reddy S N 2017 Physico-Chemical Characterization of Lodging Tolerance in Rice (*Oryza sativa*). *International Journal of Current Microbiology and Applied Sciences*. 6 (9): 1770-1778. | 5.38 |
| 8 | 2017 | Anand Rao N, Sreekanth, B, Madhav M S and Reddy S N 2017 Studies on Physical and Mechanical Properties of Rice Stem for Lodging Tolerance at Reproductive Phase (*Oryza sativa* L.). *International Journal of Pure and Applied Bioscience*, 5 (3): 407-414. | 5.38 |

| | | | |
|---|---|---|---|
| 9 | 2018 | Anand, L. Sreekanth, B. and Jyothula, D.P.B. 2018. Effect of foliar application of sodium silicate on yield and grain quality of rice. *International Journal of Chemical Studies*, 6(6): 1711-1715. | 5.31 |
| 10 | 2018 | Lokadal A and Sreekanth B 2018 Effect of Soil Application of Silicon on Growth and Yield Attributes of Rice (*Oryza sativa* L.). *International Journal of Current Microbiology and Applied Sciences* 7(11): 838-844. | 5.38 |
| 11 | 2018 | Narayana P V, Sreekanth B, Ashoka Rani, Y and Krishnaveni B 2018 Source and Sink Activity during Reproductive Phase of Rice (*Oryza sativa* L.) *International Journal of Current Microbiology and Applied Sciences.* 7(11): 3632-3639. | 5.38 |
| 12 | 2018 | Roy A, Lal Ahmed M, Amaravathi Y, Viswanath, K, Dayal Prasad Babu J and Sreekanth B 2018 Diversity Analysis and Assessment of Association of SSR Markers to Late Leaf Spot and Rust Resistance in Groundnut (*Arachis hypogaea* L.). *International Journal of Current Microbiology and Applied Sciences* 7(8): 3620-3630. | 5.38 |
| 13 | 2018 | Gunasri R, Manoj Kumar V, Prasanna Kumari V, Sreekanth B and Sairam Kumar D V 2018 Screening of Blackgram Genotypes for Resistance against Corynespora Leaf Spot and Cercospora Leaf Spot. *International Journal of Current Microbiology and Applied Sciences*, 7(11): 1932-1936. | 5.38 |
| 14 | 2018 | Jyothsna, V, Prasanna Kumari V, Manoj Kumar, V. and Sreekanth, B. 2018. Morphological and Cultural Characterization of Isolates of *Alternaria sesami* Causing Sesame Leaf Blight. | 5.38 |
| 15 | 2019 | Gowthami P, Ashoka Rani Y, Sreekanth B, Pulla Rao Ch and Sujani Rao Ch 2019 Effect of Potassium and Nickel nutrition on Total Drymatter and Kernal Yield in Maize under Heat Stress. *International Journal of Current Microbiology and Applied Science*, 8 (7): 1640-1649. | 5.38 |
| 16 | 2019 | Shruti K, Sayanarayana Rao V, Girija Rani M, Sreekanth B, Manoj Kumar V and Umar N 2019 Genetic Diversity Studies in Yield and its Contributing Traits in Groundnut (*Arachis hypogaea* L.) Genotypes using $D^2$ Statistics. *International Journal of Current Microbiology and Applied Sciences*, 8(06):32-38. | 5.38 |
| 17 | 2019 | Kavya P, Satyanarayana Rao V, Vijayalakshmi B, Sreekanth B, Radha Krishna Y and Umar N 2019 Genetic Divergence Study in Sorghum (*Sorghum bicolor* L.) using $D^2$ Analysis. *International Journal of Current Microbiology and Applied Sciences*, 8(6): 24-31. | 5.38 |
| 18 | 2019 | Ravi Babu M 2019 Determination of crop phenological phase based on leaf number and net photosynthetic rate in six maize (*Zea mays* L.) hybrids *International Journal of Current Microbiology and Applied Science* 8(9) :2887-2893 | 5.31 |
| 19 | 2020 | Ravi Babu M 2020 Prediction of phenological phases of six maize (*Zea mays* L.) hybrids based on required growing degree days *International Journal of Chemical studies* | 5.39 |

| | | | |
|---|---|---|---|
| 20 | 2020 | Ravi Babu M 2020 Physiological assessment of growth and yield of six maize hybrids in relation to growing degree days *International Journal of Chemical studies* 8(4) : 1546-1554 | 5.39 |
| 21 | 2020 | Ravi Babu M 2020 Impact of saline water on growth, yield, quality and nutrient uptake in various crops: A Review *International Journal of Chemical studies* 8(4) : 2344-2347 | 5.39 |
| 22 | 2020 | Ravi Babu M 2020 Concept of plasticity and molecular mechanism in plants : A Review *International Journal of Current Microbiology and Applied Science* 8(11) :2474-2489 | 5.31 |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments (last 5 years; 2015 onwards)**

| S.No | Year | Name of the staff | Name of the Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2015 | Dr. K. Jayalalitha<br>Dr. B.Sreekanth<br>Dr. M. Ravi Babu | Plant varietal protection and DUS testing (one day training) | Dept. of GPBR, AGC, Bapatla (A.P) and PPV & FR, New Delhi (25.02.2015) |
| 2 | 2016 | Dr. M. Ravi Babu, | Recent advances in Applied Crop Physiology (10 days training) | Dept. of Crop Physiology, TNAU, Coimbatore, ICAR Sept 2-11, 2016 |
| 3 | 2016 | Dr. K. Jayalalitha<br>Dr. B.Sreekanth<br>Dr. M. Ravi Babu | 5 day Training programme on "Diagnosis and management of insect pests, diseases nd nutritional disorders of major crops" for the plant protection/ TOT scientists working at DAATTCs ad KVKs of ANGRAU | Dept. of Crop Physiology, AGC, Bapatla, in collaboration with the Depts. of Pathology and Entomology, ANGRAU during 8-12$^{th}$ August, 2016 |
| 4 | 2017 | Dr. M. Ravi Babu, | Recent advances in Abiotic stress management for climate smart Agriculture (21 days summer school training) | ICAR-NIASM, Malegon, Baramati Sept 8-28, 2017 |
| 5 | 2018 | Dr. K. Jayalalitha, | National seminar on "Futuristic agriculture for sustainable food security" (3days Seminar) | ICAR-ANGRAU and NABARD at SVU, Tirupati (AP) 21-23 February, 2018 |
| 6 | 2018 | Dr. K. Jayalalitha, | National seminar on "Techno-strategic interventions for profitable agriculture | ANGRAU, AGC, Bapatla (A.P) 26-27 March, 2018 |

| | | | | |
|---|---|---|---|---|
| 7 | 2018 | Dr. M. Ravi Babu, | Advance computational and statistical tools for data analysis (10 days training) | Dept. of Statistics and Computer Applications, AGC, Bapatla and ICAR, New Delhi May 21-30, 2018. |
| 8 | 2018 | Dr. B. Sreekanth, | Winter school on "Climate change and its impact on Photosynthesis and productivity of rice" | ICAR-NRRI, Cuttack during November 5-26, 2018 |
| 9 | 2019 | Dr. M. Ravi Babu, | Abiotic stress advances, impacts and prospects in Crop Plants (21 days winter school) | Dept. of CPHY, AAU and ICAR (Feb 6-28, 2019) |
| 10 | 2019 | Dr. K. Jayalalitha, | Two days National conference on "Strategic approaches for developing world class Agricultural Universities" | IDP, ANGRAU at AGC, Bapatla (AP) during 19 & 20 March, 2019 |
| 11 | 2019 | Dr. M. Ravi Babu, | Abiotic stress advances, impacts and prospects in Crop Plants (21 days winter school) | Dept. of Crop Physiology, AAU and ICAR (Feb 6-28, 2019) |
| 12 | 2019 | Dr. M. Ravi Babu. | Disease diagnosis techniques in Crop Plants (6 weeks Ag MOOCS online training course) | BHU, Varanasi, CSIR and IIT, Khargpur, Oct 12-Dec 13, 2019 |
| 13 | 2019 | Dr. K. Jayalalitha, & Dr. M. Ravi Babu, | One day training programme for farmers on "Nutrient deficiencies and their management in Groundnut" at adopted village, Perali, Bapatla (M), Guntur Dist. | Dept. of Crop Physiology, AGC, Bapatla, ANGRAU on 19.12.2019 |
| 14 | 2020 | Dr. K. Jayalalitha<br>Dr. B.Sreekanth<br>Dr. M. Ravi Babu | Recent physio-molecular digital in abiotic management for crop modelling (one week Webinar) | CAAST, VNNKV, Parbani and NAHEP(ICAR), June 28-July 5 2020 |

## DEPARTMENT OF STATISTICS & COMPUTER APPLICATIONS

| **NAME OF THE STAFF** | **DR SRINIVASA RAO VATLURI** | |
|---|---|---|
| Designation | Professor & University Head | |
| Date of Joining in University | 30.11.1998 | |
| Highest Educational Qualification | PhD in Statistics | |
| Experience | Total (Yrs) | 21 years 8 Months |
| | Teaching (yrs) | 21 years 8 Months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 12 |
| | Last 5 years | 5 |
| Number of M.Sc & Ph.D students Guided | Total | 358 |
| | Last 5 years | 48 |

Significant Accomplishments, if any (brief)

1. Organized Training Programme on Statistical Packages (SAS & SPSS) to Social Science Students 26 to 27 11.2015 at Dept. of Statistics, Ag. College, Bapatla
2. Organized Training Programme on Data Analysis using Statistical Packages 30.5.2016 to 4/6/2016 at Dept. of Statistics, Ag. College, Bapatla
3. Organised training programme on Advanced computational and Statistical Tools for Data Analytics 21to 30 5.2018 at Dept. of Statistics, Ag. College, Bapatla
4. Organised training programme on Data Analytics with R using STATCRAFT 8 &9 2.2020 at Dept. of Statistics, Ag. College, Bapatla
5. Organised training programme on National seminar on "Innovations in Agriculture for Rural Development" 21 &22 2.2020 at Dept. of Statistics, Ag. College, Bapatla

### Information on List of Publications (Last 5 years; 2015 onwards)

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2018 | V. Srinivasa Rao, Sk. Nafeez Umar, M. Chandra Sekhar Reddy, A Study On Arrivals And Prices Of Red Chillies In Guntur Market Yard– A Time Series Approach, B. Venkataviswateja *International Journal Of Current Research In Multidisciplinary (Ijcrm)* Vol. 3, No. 5, (May'18), Pp. 06-10 | 7.639 |
| 2019 | Gowtham Deekshithulu N.V., Hema Kumar H.V., Mani A., Ch. Sujani Rao And Srinivasa Rao V. "Pre-Drainage Investigations Of Waterlogged Rice Fields In Bapatla Region"International Journal Of Agriculture Sciences, Volume 11, Issue 13, 2019, Pp.-8725-8732. | 6.062 |

### Information on Guidance to PG / Ph.D students (Total Service) as Chairman

| S.No | ID Number | Name of the student | Thesis Title |
|---|---|---|---|
| 1 | BAM 17-52 | A. Ajith | Effect of National Food security mission on food grain production of India |
| 2 | BAM 16-68 | B.Venkata Viswateja | Forecasting of Arrivals and Prices of Red Chilies in Guntur and Khammam Market yards. |
| 3 | BAM 15-57 | P.A. Akhisha | Distribution and future trends of monthly rainfall in the districts of Kerala – A Statistical Approach |

| | | | |
|---|---|---|---|
| 4 | BAM 15- | N.Bhavya | Analysis of Growth and instability of chieckpea (gram) production in Prakasam district of Andhra Pradesh |
| 5 | BAM 14-52 | Srirama Jogamba | Analysis of spatial and temporal variations in area, production and productivity of Tobacco in Andhra Pradesh |
| 6 | BAM 12-51 | Vaka Nireesha | Time Series analysis of Area, production and productivity of major coarse cereals in Andhra Pradesh |
| 7 | BAM 11-58 | G. Sambasiva | A Multivariate approach for studying the rainfall pattern in Visakhapatnam district |
| 8 | BAM 11-59 | G. Srinivas | Comparative performance of time series models in relation to crops in North Coastal Zone. |
| 9 | BAM 10-50 | D. Ramesh | Stochastic Model of Rainfall data with reference to Guntur District |
| 10. | BAM 10-49 | Karthik Sudha | Comparative performance of different trend models in relation to crops of Guntur district. |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2018 | Received State Meritorious Teacher Award | from the Govt. of Andhra Pradesh |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2016. | Training programme on Patent Law & Policy during | APHRDI, Bapatla |
| 2016 | Two days workshop in *Geo-spatial analysis in Agriculture and data requirements for ICAR Geo-portal*" during | NAARM, Hyderabad |
| 2016 | Big Data Analytics in Agriculture | NAARM, Hyderabad. |
| 2017 | AP Agril.Tech Summit 2017 " Progressive and Smart Farming" | Govt. of AP, Visakhapatnam |
| 2018 | International Conference on Changing Paradigms and Emerging Challenges in Statistical Sciences (IPECS-2018). | Pondicherry University, Pondicherry |
| 2018 | Hands on 2 Day Workshop on Statistical Data Analysis using R | Vellore Institute of Technology (VIT-AP), Amaravathi. |
| 2019 | National Conference on "Challenges Opportunities in Statistics and Informatics for futuristic Humanosphere especially in Agriculture" | ICAR & ANGRAU |

| | | |
|---|---|---|
| 2019 | Workshop on Big data Analytics and Digital in Agriculture | UAS, Bangalore |

| **NAME OF THE STAFF** | **DR. K. N. SREENIVASULU** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 22.02.2014(FN) | |
| Highest Educational Qualification | PhD. | |
| Experience | Total (Yrs) | 6 years<br>6 months |
| | Teaching (yrs) | 6 years<br>6 months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 02 |
| | Last 5 years | 02 |

| **NAME OF THE STAFF** | **DR. S. GOVINDA RAO** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 22-02-2014 | |
| Highest Educational Qualification | Ph. D. | |
| Experience | Total (Yrs) | 6 Years |
| | Teaching (yrs) | 4 Years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 08 |
| | Last 5 years | 08 |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2018 | Seetha Ramu P, Swathi K and Govinda Rao S A review on seasonal incidence and insecticidal management of spotted pod borer [Maruca vitrata (Geyer)] with special reference to urdbean (Vigna mungo L.) In India. Journal of Entomology and Zoology Studies. 6(4): 926-931 | 5.53 |
| 2 | 2018 | Swathi K, Seetha Ramu P, Dhurua S, Suresh M and Govinda Rao S 2018 Influence of weather parameters on the incidence of natural enemies in rice fallow black gram ecosystem. Journal of Entomology and Zoology Studies. 6(5): 452-456 | 5.53 |
| 3 | 2018 | Harika G, Dhurua S, Sreesandhya N, Suresh M and Govinda Rao S 2018 Biology of Dimondback Moth, Plutellae xylostella (Lepidopetra: Plutellidae) of Cauliflower under Laboratory Conditio. International Journal of Current Microbiology and Applied Sciences 8 (1): 866-873 | 5.38 |
| 4 | 2018 | Harika G, Dhurua S, Sreesandhya N, Suresh M and Govinda Rao S 2018 Influence of weather parameters on the incidence of natural enemies in the cauliflower ecosystem. International Journal of Chemical Studies 7(1): 29-32. | 5.31 |
| 5 | 2018 | Seetha Ramu P, Swathi K and Govinda Rao S A review on | 5.53 |

| | | | |
|---|---|---|---|
| | | seasonal incidence and insecticidal management of spotted pod borer [Maruca vitrata (Geyer)] with special reference to urdbean (Vigna mungo L.) In India. Journal of Entomology and Zoology Studies. 6(4): 926-931 | |
| 6 | 2018 | Swathi K, Seetha Ramu P, Dhurua S, Suresh M and Govinda Rao S 2018 Influence of weather parameters on the incidence of natural enemies in rice fallow black gram ecosystem. Journal of Entomology and Zoology Studies. 6(5): 452-456 | 5.53 |
| 7 | 2018 | Harika G, Dhurua S, Sreesandhya N, Suresh M and Govinda Rao S 2018 Biology of Dimondback Moth, Plutellae xylostella (Lepidopetra: Plutellidae) of Cauliflower under Laboratory Conditio. International Journal of Current Microbiology and Applied Sciences 8 (1): 866-873 | 5.38 |
| 8 | 2018 | Harika G, Dhurua S, Sreesandhya N, Suresh M and Govinda Rao S 2018 Influence of weather parameters on the incidence of natural enemies in the cauliflower ecosystem. International Journal of Chemical Studies 7(1): 29-32. | 5.31 |

| **Name of the Staff** | **Dr D Ramesh** | |
|---|---|---|
| Designation | Assistant Professor | |
| Date of Joining in University | 22-08-2017 | |
| Highest Educational Qualification | Ph. D., in Agricultural Statistics | |
| Experience | Total (Yrs) | 03 years |
| | Teaching (yrs) | 03 years |

**Information on List of Publications (Last 5 years; 2015 onwards)**

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2019 | Koundinya A, Pandit M, Ramesh D and Mishra P. 2019. Phenotypic stability of eggplant for yield and quality through AMMI, GGE and cluster analyses. Scientia orticulturae. Vol. 247 pp 216– 223. | 7.96 |
| 2019 | Pavani A, Ratna Babu, Kumar G and Ramesh D. 2019. Genetic parameters of Yield and quality component traits in Foxtail Millet. International Journal of Current Microbiology and Applied Sciences. Vol. 8(7) pp 204-210. | 5.38 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2017 | National conference on Doubling farmers income for sustainable and harmonious Agriculture-(DISHA 2019) | Sri Venkateswara University, Tirupathi |
| 2018 | 5th Foundation Course For Faculty Of | ICAR-NAARM, |

| | | |
|---|---|---|
| | Agricultural Universities (FOCFAU) | Rajendranagar, Hyderabad |
| 2018 | Hands on 2 Day Workshop on Statistical Data Analysis using R | Vellore Institute of Technology (VIT-AP), Amaravathi. |
| 2018 | One day pre-conference workshop on Applied Time Series Analysis using R | Dept. of Statistics, University of Madras, Chennai. |
| 2018 | International Conference on Advances in Statistical methods and Data Science | University of Madras, Chennai. |

## DEPARTMENT OF STATISTICS & COMPUTER APPLICATIONS

### Information on list of publications (last 5 years; 2015 onwards)

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2018 | V. Srinivasa Rao, Sk. Nafeez Umar, M. Chandra Sekhar Reddy, A Study On Arrivals And Prices Of Red Chillies In Guntur Market Yard– A Time Series Approach, B. Venkataviswateja *International Journal Of Current Research In Multidisciplinary (Ijcrm)* Vol. 3, No. 5, (May'18), Pp. 06-10 | 7.639 |
| 2 | 2019 | Gowtham Deekshithulu N.V., Hema Kumar H.V., Mani A., Ch. Sujani Rao And Srinivasa Rao V. "Pre-Drainage Investigations Of Waterlogged Rice Fields In Bapatla Region"International Journal Of Agriculture Sciences, Volume 11, Issue 13, 2019, Pp.-8725-8732. | 6.062 |
| 3 | 2018 | Seetha Ramu P, Swathi K and Govinda Rao S A review on seasonal incidence and insecticidal management of spotted pod borer [Maruca vitrata (Geyer)] with special reference to urdbean (Vigna mungo L.) In India. Journal of Entomology and Zoology Studies. 6(4): 926-931 | 5.53 |
| 4 | 2018 | Swathi K, Seetha Ramu P, Dhurua S, Suresh M and Govinda Rao S 2018 Influence of weather parameters on the incidence of natural enemies in rice fallow black gram ecosystem. Journal of Entomology and Zoology Studies. 6(5): 452-456 | 5.53 |
| 5 | 2018 | Harika G, Dhurua S, Sreesandhya N, Suresh M and Govinda Rao S 2018 Biology of Dimondback Moth, Plutellae xylostella (Lepidopetra: Plutellidae) of Cauliflower under Laboratory Conditio. International Journal of Current Microbiology and Applied Sciences 8 (1): 866-873 | 5.38 |
| 6 | 2018 | Harika G, Dhurua S, Sreesandhya N, Suresh M and Govinda Rao S 2018 Influence of weather parameters on the incidence of natural enemies in the cauliflower ecosystem. International Journal of Chemical Studies 7(1): 29-32. | 5.31 |
| 7 | 2018 | Seetha Ramu P, Swathi K and Govinda Rao S A review on seasonal incidence and insecticidal management of spotted pod borer [Maruca vitrata (Geyer)] with special reference to urdbean (Vigna mungo L.) In India. Journal of Entomology and Zoology Studies. 6(4): 926-931 | 5.53 |
| 8 | 2019 | Koundinya A, Pandit M, Ramesh D and Mishra P. 2019. Phenotypic stability of eggplant for yield and quality through AMMI, GGE and cluster analyses. Scientia orticulturae. Vol. 247 pp 216– 223. | 7.96 |

| | | | |
|---|---|---|---|
| 9 | 2019 | Pavani A, Ratna Babu, Kumar G and Ramesh D. 2019. Genetic parameters of Yield and quality component traits in Foxtail Millet. International Journal of Current Microbiology and Applied Sciences. Vol. 8(7) pp 204-210. | 5.38 |

**Information on awards / recognitions / certifcates (last 5 years; 2015 onwards)**

| S.No | Year | Name of the staff | Type of Recognition |
|---|---|---|---|
| 1 | 2018 | Dr V. Srinivasa Rao | Received State Meritorious Teacher Award from the Govt. of Andhra Pradesh |

**Participation of faculty in symposia / workshops / training / consultancy visits / special assignments (last 5 years; 2015 onwards)**

| S. No | Year | Name of the staff | Name of the Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2016. | Dr V. Srinivasa Rao | Training programme on Patent Law & Policy during | APHRDI, Bapatla |
| 2 | 2016 | Dr V. Srinivasa Rao | Two days workshop in Geo-spatial analysis in Agriculture and data requirements for ICAR Geo-portal" during | NAARM, Hyderabad |
| 3 | 2016 | Dr V. Srinivasa Rao | Big Data Analytics in Agriculture | NAARM, Hyderabad. |
| 4 | 2017 | Dr V. Srinivasa Rao | AP Agril.Tech Summit 2017 " Progressive and Smart Farming" | Govt. of AP, Visakhapatnam |
| 5 | 2018 | Dr V. Srinivasa Rao | International Conference on Changing Paradigms and Emerging Challenges in Statistical Sciences (IPECS-2018). | Pondicherry University, Pondicherry |
| 6 | 2018 | Dr V. Srinivasa Rao | Hands on 2 Day Workshop on Statistical Data Analysis using R | Vellore Institute of Technology (VIT-AP), Amaravathi. |
| 7 | 2019 | Dr V. Srinivasa Rao | National Conference on "Challenges Opportunities in Statistics and Informatics for futuristic Humanosphere especially in Agriculture" | ICAR & ANGRAU |
| 8 | 2019 | Dr V. Srinivasa Rao | Workshop on Big data Analytics and Digital in Agriculture | UAS, Bangalore |
| 9 | 2017 | Dr D Ramesh | National conference on Doubling farmers income for | Sri Venkateswara |

| | | | | |
|---|---|---|---|---|
| | | | sustainable and harmonious Agriculture-(DISHA 2019) | University, Tirupathi |
| 10 | 2018 | Dr D Ramesh | 5th Foundation Course For Faculty Of Agricultural Universities (FOCFAU) | ICAR-NAARM, Rajendranagar, Hyderabad |
| 11 | 2018 | Dr D Ramesh | Hands on 2 Day Workshop on Statistical Data Analysis using R | Vellore Institute of Technology (VIT-AP), Amaravathi. |
| 12 | 2018 | Dr D Ramesh | One day pre-conference workshop on Applied Time Series Analysis using R | Dept. of Statistics, University of Madras, Chennai. |
| 13 | 2018 | Dr D Ramesh | International Conference on Advances in Statistical methods and Data Science | University of Madras, Chennai. |

## BIOCHEMISTRY SECTION

| | | |
|---|---|---|
| Name of the Staff | Mrs M.Swapna | |
| Designation | Assistant Professor | |
| Date of Joining in University | 21-02-2014 | |
| Highest Educational Qualification | M.Sc, M.Phil | |
| Experience | Total (Yrs) | 06 |
| | Teaching (yrs) | 06 |

### Information on List of Publications (Last 5 years; 2015 onwards)

| Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|
| 2019 | A Anisha, N Chamundeswari, V Satyanarayana Rao and M Swapna Heritability and genetic advance in rice magic population for yield and its components Journal of Pharmacognosy and Phytochemistry 2019; SP2: 230-234 | 5.21 |

### Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)

| Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|
| 2015 | Plant Variety Protection and Dus testing | Department of GPBR, Ag College, Bapatla(ANGRAU) |
| 2019 | Entrepreneurship Development through Agro/Food Processing centres (sponsored by ICAR) at ICAR- CIAE RC, Coimbatore (TN) | ICAR- CIAE RC, Coimbatore (TN) |
| 2019 | Brain storming workshop on “Syllabus Review and process of conduct of examinations of Agricultural Engineering Polytechnics” to improve the process of conduct of examination and evaluation of Agril Engineering polytechnics | Dean of Ag Engineering at CAE, Bapatla(ANGRAU) |
| 2020 | National Seminar on "Innovations in Agriculture for Rural Development" on 21-02-2020 & 22-02-2020, | The Andhra Agricultural Union, ANGRAU, Bapatla |
| 2020 | Annual Post-Graduate Students National Conference (APGSNC-2020) | Agricultural college, Bapatla (ANGRAU) |

## 6.5.2.4 TECHNICAL AND SUPPORTING STAFF

### A. DIVISIONS / DEPARTMENTS

**1. AGRONOMY**

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | -- | 1 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |
| 3 | AWM(Field Assistant) | 1 | 2 | -- | 2 |
| 4 | Contractual (different kinds) | | 1 | -- | |
| 5 | LAB Assistants | -- | 2 | -- | 2 |

**2. AGRICULTURAL ECONOMICS** (The data for Statistics is presented separately, as the College has separate Department of Statistics and Computer Applications)

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | Nil | 1 (* incl Stat) |
| 2 | Office Subordinate | 2 | 2 | Nil | 3 (*incl Stat) |

**3. AGRICULTURAL EXTENSION**

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -- | 1 | | 1 |
| 2 | Office Subordinate | -- | 1 | | 1 |
| 3 | AWM | -- | 1 | | -- |
| 4 | Others (Artist Cum Photographer) | -- | 2 | | -- |

## 4. ENTOMOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -- | 01 | -- | 1 |
| 2 | Office Subordinate | -- | 01 | -- | 1 |
| 3 | AWM | -- | 01 | -- | -- |
| 4 | Contractual (different kinds) | -- | 01 | -- | -- |
| 5 | Others (Time Scale Worker) | -- | 01 | -- | -- |

## 5. GENETICS & PLANT BREEDING

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 4 | 1 | 3 | 1 |
| 2 | Office Subordinate | 2 | - | 2 | 2 |
| 3 | AWM | 2 | 2 | Nil | 2 |
| 4 | Contractual (different kinds) | Nil | Nil | Nil | Nil |
| 5 | Others (Time scale) | 1 | 1 | Nil | Nil |

## 6. HORTICULTURE

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 0 | 1 | 1 |
| 2 | Office Subordinate | 1 | 1 | 0 | 2 |
| 3 | AWM | -- | -- | -- | 2 |

## 7. SOIL SCIENCE & AGRICULTURAL CHEMISTRY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 9 | 1 | 8 | 3 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |
| 3 | AWM | 0 | 1 | -- | -- |
| 4 | Others (JACT) | 1 | 1 | -- | 1 |

## 8. PLANT PATHOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 2 | Record Assistant | 2 | 2 | - | 1 |
| 3 | Office Subordinate | 1 | - | - | 2 |
| 4 | AWM | 1 | 1 | - | 1 |
| 5 | Contractual (different kinds) | - | 1 | - | -- |

## 9. CROP PHYSIOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 2 | 1 | 1 | 1 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |

## 10. STATISTICS & COMPUTER APPLICATIONS

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | 0 | -- |
| 2 | Office Subordinate | 1 | 1 | 0 | -- |
| 3 | Contractual (different kinds) | 0 | 2 | 0 | -- |

*The Data can be included in Department of Economics for consideration of ICAR recommended staff strength*

## B. SECTIONS

### 1. ANIMAL SCIENCES including Dairy Sciences & Poultry Units

The college has no special animal sciences department.

### 2. AGRICULTURE ENGINEERING + FARM MANAGEMENT

There is no dedicated section for Agricultural Engineering.

**FARM MANAGEMENT**

| S.No | Name of the position | Sanctioned | Staff in place | Vacant | |
|---|---|---|---|---|---|
| 1 | Agril.Officer | 1 | 1 | NIL | |
| 2 | Technical Asst. | - | 1 | | |
| 3 | Agricultural Extension Officer | 5 | 6 | | |
| 4 | JACT | 1 | 1 | NIL | |
| 5 | JACT, Stores I/c | - | 1 | - | |
| 6 | Typist | 1 | NIL | 1 | |
| 7 | Tractor Driver | 1 | 1 | NIL | |
| 8 | Office Subordinate | 1 | 1 | 1 | |
| 9 | Record Assistant | 2 | 1 | 1 | |
| 10 | Cleaner | - | 1 | 1 | |

Man Power (Contractual including Daily wages workers, labour etc.,)

| S.No | Type of Man power | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Agricultural workmen(AWM)(Men & Women) | 31 | All the persons are engaged daily for various activities like |

| | | | |
|---|---|---|---|
| 2 | Time scale employees(Men & Women) | 87 | Watch & ward, other farm activities like irrigation in orchard block, field operations in paddy seed production plots, PG & Ph.D student experiments etc., |
| 3 | On work Contract basis(Men & Women) | 9 | |

## 3. BIOCHEMISTRY Section

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -01- | -- | -01- | -01- |
| 2 | Office Subordinate | -01- | | -01- | -- |

**STRENGTH OF TECHNICAL AND SUPPORTING STAFF IN THE COLLEGE UNDER THE DAMINISTRATIVE CONTROL OF ASSOCIATE DEAN**

| Name of the Post/ Cadre | No. of Posts Sanctioned | In position (filled) | Vacant |
|---|---|---|---|
| Admn. Officer | 1 | 1 | -- |
| Agricultural Officer | 1 | 1 | -- |
| Superintendent | 2 | 2 | -- |
| Senior Assistant | 8 | 4+1 | 3 |
| UD Care Taker | 1 | 1 | -- |
| UD Steno | 1 | 1 | -- |
| J.A.C.T | 13 | 5 | 8 |
| Senior Lib.Asst | 1 | 1 | -- |
| Jr.Lib.Asst | 3 | 1 | 2 |
| Rec. Assistant | 32 | 24+1 | 7 |
| Xerox Operator | 1 | -- | 1 |
| Shelf Assistant | 5 | 1 | 4 |
| Workshop Supervisor | 1 | - | 1 |
| Arti-cum-Photographer | 2 | 1 | 1 |
| A.E.O. | 6 | 6 | -- |
| Projector Operator | 1 | - | 1 |
| Mech.Grade-II | 1 | -- | 1 |
| Inst.Mech | 1 | -- | 1 |
| Driver | 5 | 3 | 2 |
| Tractor Driver | 1 | -- | 1 |
| Carpenter | 1 | -- | 1 |
| Oil. Engg. Driver | 1 | - | 1 |
| Jr .Binder | 1 | 1 | -- |
| Pharmacist(Grade-II) | 1 | -- | 1 |
| Dresser | 1 | -- | 1 |
| Veterinary Assistant | 1 | -- | 1 |
| Engg. Maistry | 1 | -- | 1 |
| Pipeline Fitter | 1 | -- | 1 |
| Gasman | 1 | -- | 1 |
| Office Subordinate | 31 | 20 | 11 |
| Lusker | 1 | -- | 1 |
| Pump Attendant | 1 | -- | 1 |
| Cleaner | 4 | 3 | 1 |
| Watchman | 1 | -- | 1 |
| Elec. Helper | 1 | -- | 1 |
| Ward. Boy | 1 | -- | 1 |
| Kamati (Health Clinic) | 1 | 1 | -- |
| Sweep-cum-Scavenger | 1 | 1 | -- |
| A.W.M | 94 | 63 | 31 |
| **TOTAL::::** | **232** | **143** | **89** |

# 6.5.3
# LEARNING RESOURCES

## 6.5.3.1 COLLEGE LIBRARY (digital)

**Name of the Library : Regional Library, Agricultural College, Bapatla**

**Staff Position:**

| | |
|---|---|
| Assistant Professor In LIS & Head | 1 |
| Sr. Library Assistant | 1 |
| Jr. Library Assistant | 3(1+2 outsourcing) |
| Shelf Assistants | 5 (1+ 4 outsourcing) |
| Binder | 1 |
| Sweeper-cum-scavenger | 1 |
| Day watchman | 1(vacant) |

**Library System:**

Library is the heart of Educational Institutions and plays a vital role in supporting teaching, learning, research activities and provides the prime source of agricultural information. The main motto of library is to accomplish its task of reaching to wider user community which comprises of Teachers, Scientists, Extension Specialists and Students. The Regional Library, Agricultural College, Bapatlais well-stocked with latest books on agriculture and allied disciplines and subscribes to National and International Journals and Magazines, Competitive Examination Material and Digital and e-Resources in Agriculture and Allied Sciences etc. The Regional Library, Agricultural College, Bapatlahas very rich collections in print and non-print documents viz. books, e-books (CABI, Elsevier, CRC Netbase, Astral), e-journals, databases such as J-Gate Agriculture and Biological Sciences (CeRA), KrishiKosh, DELNET, EWRFS-Statistical Data, Indiastat.com. Recently The Regional Library was shifted to newly established Building named as "*Student Knowledge Centre*".

**Library Hours**:

The Library has open access system and a seating capacity for 150 readers. The library also has an air-conditioned E-Resource Lab, which remains open daily from 8.00 AM to 8.00 PM. And also works on second Saturday and Sunday from 8.00AM to 2.00 PM

**Library Services:**

For effective functioning and maintaining easy accessibility to the readers, the Regional Library has been divided into several sections and using latest RFID technology and computerized through KOHA (LMS) Software.

**SECTIONS IN THE LIBRARY**

**Circulation Section:**

The library is providing circulation through KOHA (LMS) Software for issues and returns of the books to the students and staff and also implemented Self-Checkout and Check-in Machines through RFID Technology to the Students and Teachers.

**Textbook Section & Reference Section:**

The Regional Library has rich collection of more than 25,000/- text-books, reference collection; the collection is strengthened continuously with the guidelines of Deans Committee and as recommended by the teachers. Every year the libraries adding latest collection of books based on the recommendations of teachers. These Books are arranged by classified Catalogue Code and using through Bay Guides. The reference section of the library houses the reference books which are meant to provide quick and accessible information on any particular topic. Reference books include topics that are intended to guide researchers in their studies. Each copy of book recommended by Teachers & Students will be kept for reference in the section. Reference material is not meant for circulation.

**Periodical Section:**

This section has current periodicals and research Journals that are displayed on the racks alphabetically. This section also has back volumes of the periodicals that are bounded and arranged in an alphabetical manner. The library subscribes 16 foreign and 29 Indian journals yearly. For the subscription of these periodicals the college has spent Rs. 15,60,000/- during the year 2019-20. Collection of volumes in different subjects and latest publications available in the fields of relevant subjects. At present its collection is more than 5622 back volumes and 2109 dissertations and 28 Magazines.

**Dissertation Section:**

In this section consists of M.Sc (Ag) and Ph.D. theses submitted by the students of this college are arranged on subject wise and this can be referred only but not issued to the students and staff.

**Book Bank:**

The ANGRAU, Regional Library was providing important books under special book bank scheme for the benefit of the SC, ST and BC students. Special text-book collection has been built up at Library. Library have procured good number of titles and increased the collection for the benefit of the students.

**Competitive Examination Cell:**

A separate competitive examination cell has been established at Regional Library for the benefit of students those who are appearing for various competitive examinations for the better placement position and higher studies. This section provides the useful material which is very much required for the aspirants of ICAR Examinations, ASRB, ARS, ICAR-JRF/NET, UPSC, APPSC, GMAT, TOEFL and all Bank exams etc.

**Daily Newspaper Section:**

The Regional library subscribes to 11 daily newspapers in different languages viz. Telugu, English, which covers National, International and Regional News.

**Reprographic Service:**

The photocopying facilities available in Regional Library for providing photocopying facility to the library users and it has been put to maximum useand an amount of Rs. 0.50 paise is charged for each copy.

**AUTOMATION AND USER SERVICIES THROUGH COMPUTERS**

**Online Public Access Catalogue (OPAC) :**

Online Public Access Catalogue (OPAC) is available at Regional Library. The readers can access the bibliographic details of the books, status of availability of books, alternative titles for search etc. using computer terminals. Books are being issued through using KOHA (LMS) Software in the Library.

**Digital Library**:

The Libraries proving digital library services to the users and all the libraries holds good number of digital library infrastructure facilities. Computers with latest configuration, Internet facility, Interactive Digital Board, etc. to utilize the electronic information resources for the improvement of academic and research activities. The library is equipped with 25 computers, U.P.S. facility, Printers etc. to access the e-Resources and also to browse the Internet. The digital library infrastructure facilities viz., Interactive Digital Board, Computers with latest Configuration, Internet facility, etc. are fully strengthening the Library as well as established digital library in Ag. College to utilize the electronic information i.e. CeRA,Krishikosh, Indiastat, CRC Netbase e-Books, CABI e-Books, Elsevier e-Books etc. for the improvement of academic and research programmes. TheLibraryis equipped with the sufficient number of computers with latest configuration and U.P.S. facility, Printers, etc. to access the e-Resources and also to browse the Internet. The internet facility is available. The Library has provided e-Resources/Online Resources to the latest information to the Teachers, Scientists, Extension Specialists, Students etc. to meet their research and educational information needs.

**E-RESOURCES**

**IndiaStat - Statistical Database: Indiastat.com :**

It is an authentic storehouse for socio-economic statistics about India. Provides statistical data, current happenings with a statistical approach, articles from scholars on subjects of socialand economic importance etc.

**EPWRF - AGRICULTURAL STATISTICS MODULE (ONLINE) :**

The EPW Research Foundation (EPWRF), is providing Agricultural Statistics module, on this module it presents an all-India level time-series data on area, production and productivity of major food grains and non-food crops, horticulture and plantation crops, etc. It also provides data relating to distribution of agricultural land by use, agricultural area under irrigation (giving source-wise and crop-wise coverage), further it gives data on production and use of agricultural inputs (viz., seeds, chemical fertilizers, pesticides and electricity).

**e-Books Taylor &Francis:**

The Library has provided more than 210 CRC Net Base e-Books on Agriculture and allied sciences which can be accessed through I.P. and User ID and Password basis. The e-Books are very much useful to the Teachers, Scientists, Extension Specialists and Students to browse the important content on agricultural and allied sciences.

**e-Books CABI:**

The University Library has provided service 510 CABI e-Books on perpetual basis and on DVD. Which has Unlimited access from the year 2000 to 2010 and provided access to all the ANGRAU Colleges via I.P. range and on User ID and Password basis. e-Books are useful for the Teachers, Scientists and Students to browse important agricultural content by sitting anywhere anytime and these will improve the quality of research and save lot of precious time of the Students, Teachers and Researchers.

**Elsevier e-Bookson SciVerse Science Direct:**

Elsevier e-Books/e-Books on SciVerse Science Direct provide the comprehensive and reliable content that researchers need, the accessibility and search ability that researchers want which alone cannot available in print sources. can access via I.P. range and on User ID and Password basis.

**J-GATE agricutlural and bological sciences**

**Consortium for e-Resources in Agriculture (CeRA) :**

The ICAR has provided Consortium On-line e-Resources service called CeRA.(Consortium for e-Resources in Agriculture) under NAIP project from 2008 onwards.It is providingaccess to nearly 2900 journals in agriculture and allied disciplines. The user ID and Passwords have been circulated to all the Colleges of the University, Research Stations and to all the patrons of the University to utilize the e-Resources effectively. J-Gate Agriculture and Biological Sciences: It has also provides access to Online e-Journals Portal called J-Gate Agriculture and Biological Sciences under CeRA for the year 2013-2014.(which covers data from January 2001 to present).

**AGRICAT/IDEAL:**

AgriCat is the Union Catalogue of the holdings of 12 major libraries of the ICAR Institutes and SAUs. It has been created with the partnership of OCLC WorldCat. ANGRAU Library is also a member library in AgriCat/World and contributed nearly

35,000 bibliographicalrecords. The Regional Library also provided the Agri Cat service to the students and staff.

**KRISHI KOSH :**

KrishiKosh is an Institutional Repository under National Agricultural Research System (NARS). The repository of knowledge in agriculture and allied sciences, having collection of old and valuable books, records and various documents spread all over the country in different libraries of Research Institutions and State Agricultural Universities (SAUs).M.Sc and Ph.D thesis submitted by students are upload in Krishkosh to provide aceess to the users.

**DELNET:**

DELNET Provides access to more than 1.75 core bibliographic records of books, journals, articles, CD's etc. The internet Library loan/ document delivery services are one of the most popular services of DELNET. The main objectives of DELNET are to promote resource sharing among the member libraries by collecting storing and disseminating information by offering networking services to users.

**EzPROXY REMOTE LOGIN SERVER:**

The University Library has implemented EzProxy middleware software to provide remote access to web-based licensed resources offered by the library. The EzProxy server authenticates library users against local authentication authorization. It enables to access all the Library subscribed online resources in a single platform and to download fulltext articles through EZProxy server without any IP Address.

**IN-HOUSE PUBLICATIONS**

The Library is bringing out the following publications regularly for the benefit of Teachers, Scientists, Extension Specialists and Students.

| Sl.No. | Name of the Publication | Periodicity | Form |
|---|---|---|---|
| 1. | Current Agricultural Titles | Quarterly | Print |
| 2. | Library Bulletin | Yearly | Print |

**LIBRARY DEVELOPMENTS**

**RFID Electronic Library Security System:**

The Library has implemented RFIDTechnology security system to protect valuable library documents from theft, misuse, pilferage etc. The security system ensures in protecting library material and customized for entrances and exits of library users.

**RFID TECHNOLOGY :**

Radio Frequency Identification (RFID) has been implemented in Regional Library under the ICAR Library Strengthening Scheme. RFID Technology is useful in inventory of items, stock verification, hassle free check-out and check-in of items etc. RFID Chips have been programmed and inserted in books.

**Electronic Surveillance CCTV:**

CCTVs are installed in all library sections for surveillance and monitoring of every section monitoring movement of users to protect the Library Material from pilferage, misuse and also for security activities in library.

**PGS-501 Library Services Course**:

Offering PGS-501, Non-Credit Library and Information Services Course to the PG and Ph.D. Students. The main objective of the course is to educate the users on how to access resources of library, search strategies, online educational resources etc.

**Orientation Programme:**

The Regional Libraryis being conducting Orientation Programmes for newly admitted U.G., P.G and Ph.D students about the library system, rules and regulations, access to library facilities and services.

**AWARENESS PROGRAMMES on e-RESOURCES**

The Regional Library is regularly conducting training cum and awerness programmes on e-Resources on accessing online information resources viz., CeRA, CABI, , e-Books, e-Journals, Databases etc. for the benefit of Scientists, Teachers, Students, Extension Specialists

## 6.5.3.2 LABORATORIES, INSTRUCTIONAL FARM, WORKSHOPS, PONDS ETC.

The Undergraduate Classrooms of the college, located in Examination Complex building are spacious, sufficiently ventilated, well designed with required audio-visual system, and modern teaching aids. The college have 8 classrooms and one gallery hall (heritage classroom) as designated classrooms for Undergraduate teaching, besides few other facilities such as IDP Hall, Conference Hall etc., which will be used as Classrooms, if required.

All Departments have enough practical laboratories separately for under graduation for conducting practical classes equipped with the all required material and instruments for effective learning and hands-on experience. The UG practical laboratories are sufficiently bigger for accommodating all students comfortably and acquiring hands-on experience.

All theory and practical classes for Post Graduation and Ph.D. are being conducted in respective departments. Each department have one PG and Ph.D. classroom, separately for each programme. The data on number of laboratories and equipments available in each laboratory of every department is presented below. Each department have various types of laboratories as per their requirements for PG, Ph.D and other research projects. The Number and size vary accordingly. The laboratories are usually common for both PG and Ph.D. students for conducting the practical classes and hand-on training and learning. The PG students have full access to labs in the departments and will be encouraged to fully learn and understand principle and operation of various laboratory and analytical equipments, and machinery. Usually, every department will have minimum of three PG laboratories or working faculties, besides special environment / requirement laboratories with limited access. The PG students can work in any laboratory across all departments as per their requirement and are always encouraged to experience the research facilities available in different laboratories available in the college.

The college have state-of-the-art *Central Instrumentation Unit* for the benefit of all faculty and Postgraduate and Ph.D. students, developed with the special grants from NABARD. The CIC is a common facility, in addition to laboratories at departments, have various specialized laboratories and the facilities are available for use since 2019. The Central Instrumentation facility is equipped with all state-of-the-art analytical equipments useful for basic research in the field of biology and chemistry. The facility is having analytical chemistry, biotechnology, microbiology, testing laboratories. The equipments include Liquid chromatography, Gas chromatography, Mass Spectroscopy, Atomic Absorption Spectroscopy, Real-time Polymerase Chain reaction, Electrophoresis, Soil and leaf analyzers, all kinds of sensitive and analytical balances, un-interrupted power supply, and many routine use instruments and equipments. The various laboratories in CIU are crop production, microscopy, molecular biology & biotechnology, tissue culture, plant protection, remote sensing & GIC, heating room etc.

The Agricultural College is having a separate *Research and Demonstration Farm* which was started in 1950 and the present total area of the farm is 116 ha. The soils of the college farm vary from sandy soils of coastal belt to black soils of deltas. The farm was divided into 5 blocks for administrative convenience *viz*., Wetland block, Northern block, Orchard block, Southern block and Yard block. Each block is under the control of one farm manager.

The farm with different crops in different seasons and conditions is highly suitable for experiencing the UG students to learn various agronomic and agricultural practices, as the farm maintains a crop cafeteria and technology demonstration plots. The Farm maintains separate area with different conditions and soils for the benefit of PG student's research. The farm also has enough farm equipments, machinery and processing units for the purpose. The farm has one classroom and many storerooms for the purpose of hands-on learning and training.

In addition to the laboratory facilities available in various departments for practical of UG and PG courses, the Central Instrumentation Cell and College Farm also used by the faculty for conducting practical classes.

## CLASSROOMS AND LABORATORIES FOR PROGRAMMES:

| Programme | Number of Theory Classrooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| B..Sc (Hons) Agriculture | 8 + 1 | 14 + 1 (Farm) | All the classrooms and functional laboratories are enough to meet the instructional, hands-on training practicals and research requirements<br>All the laboratories were enough to meet course curriculum since a batch is divided into sub batches and are given experiments for each sub batch. |
| M. Sc. (Ag.) | 12 | 26 | All the classrooms and functional laboratories are sufficient to meet the instructional, hands-on training practicals and research requirements |
| Ph. D | 8 | | |

*## The department-wise data for PG and Ph.D classrooms and Laboratories is presented below:*

**AGRONOMY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 1 | 1 | Sufficient |
| Ph.D. | 1 | 1 | Sufficient |

**ECONOMICS**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 1 | - | Sufficient |
| Ph.D. | - | - | |

**AGRICULTURAL EXTENSION**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | - | 1 | Sufficient |
| Ph.D. | - | 1 | Sufficient |

**ENTOMOLOGY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 01 | 01 | The existing class room and Lab facility is sufficient to PG and Ph.D programmes |
| Ph.D. | 01 | 01 | |

**GENETICS & PLANT BREEDING**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | - | 01 | Separate classroom and laboratory facilities are not available. |
| Ph.D. | - | | Separate classroom and laboratory facilities are not available. |

**SOIL SCIENCE AND AGRICULTURAL CHEMISTRY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 1 | 1 | Sufficient for conducting PG & Ph.D classes |
| Ph.D. | 1 | 1 | |

**PLANT PATHOLOGY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M. Sc (Ag) | 1 | 1 | The existing class room and Lab facility is sufficient to PG and Ph.D programmes |
| Ph. D. | | 1 | |

**CROP PHYSIOLOGY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 1 | 2 | Two PG laboratories are sufficient for PG students since the equipments occupy larger area. |
| Ph.D. | | | |

**STATISTICS & COMPUTER APPLICATIONS**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 2 | 1 | Yes |
| Ph.D. | 1 | 1 | Yes |

**LIST OF MAJOR EQUIPMENTS / LABORATORIES / FARM FACILTIES / WORKSHOPS / OTHER INSTITUTIONAL UNITS utilized for award of Degree Programs**

**List of equipment in various laboratories for UNDERGRADUATE PROGRAMME: DEPARTMENT WISE**

**AGRONOMY**

| Name of the Lab | S.No. | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|---|
| UG LABORATORIES 2 Numbers Each 87.36$m^2$ | 1 | Kemi hot air oven | 4 |
| | 2 | Kemi hot plate rectangular | 1 |
| | 3 | Essae electronic weighing scale | 1 |
| | 4 | Infrared moisture balance | 1 |
| | 5 | Seed display boxes | 100 |
| | 6 | All glass double distillation unit | 1 |
| | 7 | Bimetallic thermograph | 1 |
| | 8 | Hair hygrograph | 1 |
| | 9 | Soil tensiometers | 5 |
| | 10 | Cut throat flume | 2 |
| | 11 | Infrared moisture balance | 1 |
| | 12 | Parshal flume (capacity 2 cusecs) | 1 |
| | 13 | V notch $90^0$ | 1 |
| | 14 | Infiltrometer | 2 |
| | 15 | Zeal max. & min. thermometer | 5 |
| | 16 | Hygrometer dial type | 1 |
| | 17 | Digital thermohygrometers | 5 |
| | 18 | Digital multistem thermometers | 5 |
| | 19 | Soil augars (Tube type) | 10 |
| | 20 | Taiwan sprayers | 1 |
| | 21 | Crow bars | 3 |
| | 22 | Hand hoes | 30 |
| | 23 | Line markers | 5 |
| | 24 | Peddle Thresher | 1 |
| | 25 | Amarajyothi water filter | 1 |
| | 26 | G.I. seed boxes 34x23x23 | 5 |
| | 27 | Seed storage bins (steel rice bins) | 3 |
| | 28 | Spring balance 10 kg | 1 |
| | 29 | Moisture Box | 100 |
| | 30 | Steel seed bins 5kg | 30 |
| | 31 | Steel seed bins 4kg | 25 |

| | | | |
|---|---|---|---|
| | 32 | Steel seed bins 3kg | 20 |
| | 33 | Steel seed bins 2kg | 20 |
| | 34 | Steel seed bins 1kg | 10 |
| | 35 | Steel seed bins 0.5kg | 10 |
| | 36 | Weeding fork | 100 |
| | 37 | Spades | 50 |
| | 38 | Sickles | 83 |
| | 39 | Likkis | 100 |
| | 40 | Farmate sprayer (1.5 lit capacity) | 4 |
| | 41 | *Dantis* | 10 |
| | 42 | Rakers | 10 |
| | 43 | Taiwan sprayer | 1 |
| | 44 | *Khurpi's* | 100 |
| | 45 | Maruti Foot sprayer | 1 |
| | 46 | Ganesh hand sprayer (Aspee) | 1 |
| | 47 | Hand compresison sprayer (6l) | 1 |
| | 48 | Hand compresison sprayer (4l) | 1 |
| | 49 | Hand hoes | 40 |
| | 50 | Small spades | 40 |
| | 51 | water cans | 4 |
| | 52 | Plastic planting rope | 10kg |
| | 53 | Small tubs | 20 |
| | 54 | *Khurpa* SPK1200 | 40 |
| | 55 | Sickle SPS-3040(W) | 30 |
| | 56 | Iron pegs | 40 |
| | 57 | Hand cultivator-FCHW-3066 | 10 |
| | 58 | Garden Hoe-200 | 4 |
| | 59 | Garden hoe-100 | 4 |
| | 60 | Rake FRWH-12 | 6 |
| | 61 | Rake-FRWH-16 | 6 |

**AGRICULTURAL ECONOMICS**

| Name of the Lab | S.No. | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|---|
| LAB-01 | 1 | Computers | 2 |
| | 2 | Camera | 1 |

**AGRICULTURE EXTENSION**

| Name of the Lab | S.No. | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|---|
| UG LABORATOY | 1. | Loud Speakers | 2 |
| | 2. | Sound columns | 8 |
| | 3. | Microphone Stand ( 6'-1" DGN ) | 6 |
| | 4. | Avitrol Audio- Visual Trolly | 1 |
| | 5. | Amplifier SSA-125EM Ahuja | 1 |
| | 6. | BT H Horns Ahuja | 2 |
| | 7. | Driver Units Ahuja TX (AU-40-T) | 2 |
| | 8. | Videocon VCP Model BE | 1 |
| | 9. | V Guard Stablizer 2 KV | 1 |
| | 10. | Panasonic Video Camera M-3500 | 1 |

**ENTOMOLOGY**

| Name of Lab | S.No. | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|---|
| UG LABORATORY 2 Numbers | 1. | Binocular Microscope | 20 |
| | 2. | Olympus stereoscopic binocular microscope | 09 |
| | 3. | Insect box | 60 |
| | 4. | Insect Storage Box | 750 |
| | 5. | Setting boards | 1000 |
| | 6. | Kiosk for Digital Display of insect s specimen | 01 |
| | 7. | Insect Collection Nets | 60 |
| | 8. | Insect Collection Nets | 300 |
| | 9. | Collection Bottles | 60 |
| | 10. | Collection Bottles | 750 |
| | 11. | Insect Collection Big Boxes for Museum | 29 |
| | 12. | Insect Collection Big Boxes for Museum | 50 |
| | 13. | Insecticides | All groups |
| | 14. | Stereomicroscope | 01 |
| | 15. | Trinocular stereo Research Microscopes & Accessories | 03 |
| | 16. | Labomed Stereo Microscope | 02 |
| | 17. | Electronic balance | |
| | 18. | Electronic digital balance BL 220 with wind shield | 01 |
| | 19. | Shimadzu Electronic balance Mode AU X220 Cap 220 mg | 01 |

| | | | |
|---|---|---|---|
| | 20. | Soxhlet extraction apparatus | |
| | 21. | Soxhlet extraction mantle – 500ml | 01 |
| | 22. | Bee keeping equipment | 01 set |
| | 23. | Bee Hive Boxes | 04 |
| | 24. | Honey extractor | 01 |
| | 25. | Bee veil | 01 |
| | 26. | Oven | 2 |
| | 27. | Godrej micro wave oven(17L) | 01 |
| | 28. | Hot air oven Kemi make | 01 |
| | 29. | Potters tower | 01 |
| | 30. | Potter spray tower | 01 |
| | 31. | Sprayers | |
| | 32. | Aspee ganesh air compression steel Sprayers (hand operated: 1lt capacity) | 02 |
| | 33. | Light traps | |
| | 34. | Fumigation chamber | 01 |
| | 35. | Fumigation chamber | 01 |
| | 36. | Burrow fumigator | 01 |
| | 37. | Slides/cover slips | Many |
| | 38. | pH meter | 01 |
| | 39. | pH meter digital | 01 |
| | 40. | Computer with printer | 04 |
| | 41. | Personal computer HCL Infinite BL | 02 |
| | 42. | Lenovo Desktop Computer | 02 |
| | 43. | Del Desktop | 01 |
| | 44. | HP Compaq computer system | 01 |
| | 45. | Acer Computer | 01 |
| | 46. | LG LCD Monitor 19” | 01 |
| | 47. | Laptops | |
| | 48. | HCL Infinity Powerlite 9100 (Lap top) | 01 |
| | 49. | Dell Inspirion 5341 Laptop AMD a6 6310 Processor 4 GB Ram | 01 |
| | 50. | Printers/scanners | |
| | 51. | HP Laser Jet M 1005 MFP (Supports 12 A cartridge) | 01 |
| | 52. | Hp colour laserjet: 2605 series | 01 |
| | 53. | HP Laser jet printer Model No. 1018 | 01 |
| | 54. | HP P 1008 Printer | 01 |
| | 55. | Samsung SCX 3401 Printer | 01 |
| | 56. | HP Scanner G 4010 | 01 |

**GENETICS & PLANT BREEDING**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| UG LABORATORY 1 GENETICS LAB 53 x 39 ft. | Monocular microscopes | 57 | For conducting Genetics practicals – Used for cell division practicals, identification of different Mitotic and Meiotic phases |
| | Binocular microscopes | 3 | Used for Mitosis and Meiosis practicals |
| UG LABORATORY 2 PLANT BREEDING & SEED TECHNOLOGY LAB | Dissecting microscopes | 20 | For conducting Plant breeding, crop improvement I and Crop improvement – II practicals – Used the microscopes for dissecting small flowers (Graminaea members) |
| | Electronic DJ seed moisture meter | 5 | For seed moisture estimation (field and vegetable crops) |
| | Electronic balance | 2 | Physical purity analysis - For weighing of seed |
| | Seed germinator | 1 | For conducting germination/ vigour tests of seed ( field crops and vegetable crops) |
| | Automatic seed / grain counter | 1 | Physical purity analysis - For counting the number of seeds in the given sample |
| | Digital moisture meters | 2 | For seed moisture estimation (field and vegetable crops) |
| | Flexible armed illuminated magnifier | 1 | To separate the pure seed from the seed sample |
| | Parkhi/ triers | 3 | To take the primary sample from the seed lot |
| | Grain vernier | 1 | For measurement of Grain length / breadth |
| | Seed Divider | 1 | For obtaining working seed sample |

| | | | |
|---|---|---|---|
| | Wooden square sieve set | 1 | Preparation of seed samples for purity analysis and to determine the uniformity of seed size. |
| | Advanced seed analysis kit | 1 | To carry out physical purity analysis |
| | Portable humidifier | 1 | To maintain relative humidity in tissue culture lab/ biotechnology lab/AELP Mushroom production unit |

**HORTICULTURE**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| UG LABORATORY (Post harvest) As per ICAR Guidelines | Hand Refractometer | 4 | To measure TSS content in fruits |
| | Digital Refractometer | -- | -- |
| | Oven | -- | -- |
| | Refrigerator | 1 | For storage of fresh and processed fruits and vegetables |
| | Electronic weighing balance | 1 | Weighing |
| | Pan balance (1kg and 10 kg capacity each) | 1 | Weighing |
| | Deep freezer | -- | -- |
| | pH meter | -- | -- |
| | Fruit crusher | -- | |
| | Grinding and mixing machine | 2 | To make pulp and juices for preparation of value added products |
| | Distillation assembly | 1 | Essential oil extraction |
| | Physical balance | 1 | Weighing |
| | Juice squeezers | 8 | Extraction of juice |
| | Crown corking machine | 1 | Capping |
| | Can sealing machine | 1 | Sealing the bottles |
| | Pineapple puncr | 1 | Juice extraction |
| | Homogenizer | 1 | Mixing the contents |

| | | | |
|---|---|---|---|
| UG LABORATORY 2 As per ICAR Guidelines | Seed germinator | -- | |
| | Grafting and budding knife | 40 | Propagation |
| | Secateurs | 1 | Cutting the twigs |
| | Saw | 1 | Cutting the woody branches |
| | Loppers | 1 | Cutting the branches located at higher positions |
| | Mist chamber | -- | |
| | Poly house with drip irrigation system | -- | |
| | Microscope | 1 | To visualize the samples |
| UG LABORATORY 2 (UG lab) Additional equipments | Sickles | 10 | Weeding and harvesting |
| | Hedge shear | 2 | Cutting the hedges |
| | Garden rake | 1 | Weeding |
| | Shovel | 1 | Digging the soil |
| | Spades | 11 | Digging the soil and formation of bunds |
| | Pick axe | 3 | Breaking of hard soil and clods |
| | Garden sword | 1 | Weeding |
| | Hand cultivator | 6 | Weeding |
| | Khurpi | 2 | Weeding |
| | Tree caliper (100 cm) | 1 | Measuring the diameter of trees |
| | Tree calipers (75 cm) | 1 | Measuring the diameter of trees |

**SOIL SCIENCE & AGRICULTURAL CHEMISTRY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| UG- 1 Laboratory 1550 sq.ft | 1.Hot air oven | 1 | Drying of glassware, soil, plant samples |
| | 2.Yoder's Apparatus | 1 | Soil Wet aggregate analysis purpose |
| | 3. Distilled water set | 1 | For distilled water |
| | 4. Keen cups set | 1 | Water holding capacity of soil sample |

| | | | |
|---|---|---|---|
| UG- 2 Laboratory 1900 sq.ft | 1. Weighing Balance | 1 | Weighment of chemicals and analytical matters like soil, plant , manure & fertilizers |
| | 2.pH meter | 1 | To estimate pH of soil, water & manures |
| | 3.EC meter | 1 | To estimate EC |
| | 4.Flame photometer | 1 | To estimate K, Na |
| | 5. Spectrophotometer | 1 | To estimate P, S |
| | 6.Rotory shaker | 1 | Shaking of soil samples |
| | 7.Strirrer | 1 | Stirring of soil samples for Mechanical analysis |
| | 8.Pressure plate Apparatus | 1 | To determine soil moisture at different pressures |
| | 9.Double ring Infiltrometer | 1 | To determine infiltration rate of soil |
| | 10.Cone Penetrometer | 1 | Resistance of soil |
| | 11.Glass MacroKjeldhal distillation set | 1 | Nitrogen estimation of soil |
| | 12. Glass MicroKjeldhal distillation set | 1 | Nitrogen estimation in plant samples |
| | 13. Water bath | 1 | Heating of samples |

**PLANT PATHOLOGY**

| Name of Lab | Name of the Equipment | Numbers | Purpose |
|---|---|---|---|
| Plant Pathology 54' x 38' = 2052 sq ft | Microscopes | 75 | Every student will be given a microscope to handle in practicals |
| | Stereo binocular | 5 | Used for nematological observations |
| | Sample processing board | 1 | For dry preservation of specimens |
| | Wet preservation jars | 100 | For wet preservation |
| | Autoclave | 2 | For sterilization |
| | Oven | 1 | For dry heat sterilization |
| | Deep freeze | 1 | For preservuing |
| | Centrifuge | 1 | To partially purify samples / sedimentation |

| | | | |
|---|---|---|---|
| | Refrigerator | 1 | For temporary preservation of cultures |
| | Water bath | 2 | For incubation at 30-50$^{0}$C |
| | Electronic balance | 2 | For analytical work |
| | Weighing balance | 1 | For media preparation |
| | Incubator | 2 | For incubation of cultures |
| | Occular meters | 5 | For micrometry |
| | Stage micrometers | 5 | For micrometry |
| | Camera lucida | 5 | For microscopic drawings |

**CROP PHYSIOLOGY**

| Name of Lab | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| UG Lab<br>400 Sq.ft | Electronic Balance | 1 |
| | Microscope | 56 |
| | Digital pH meter | 3 |
| | EC meter | |
| | Digital visible Spectrophotometer | 1 |
| | Planimeter | 12 |
| | LCD Projector | 1 |
| | Minigel Electrophoresis | |
| | Lux meter | 1 |
| | Temparature sensor | 1 |
| | Digital thermal hygrometer | 1 |
| | Dissolved oxygen analyser | 1 |
| | ICES Hot air oven | 1 |
| | Digital conductivity meter | 1 |
| | Laser pointer torch | |
| | Slide projector | 1 |
| | Top pan balance | 1 |
| | Hot plate | 1 |
| | Meter scale-teak wood | 22 |

**STATISTICS & COMPUTER APPLICATIONS**

| Name of the Lab | Name of the Equipment | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| UG Computer Lab<br>1200 sq.ft | Desktop Computers<br>5 KVA UPS<br>LCD Projectors | 60<br>2<br>2 | Semester Final Practical exam is only on Skill Test |

**BIOCHEMISTRY**

| Name of Lab | Name of the Equipment | No | Purpose |
|---|---|---|---|
| Bio chemistry Lab 1 | Hot plate rectangular 30x45 cm | -01- | For heating the samples in a slow manner |
| | Incubator | -01- | Maintain controlled conditions for cell cultures |
| | Electrophoresis unit-vertical model | -01- | Analytical tool to separate and identify different biomolecules |
| | Laboratory blender | -01- | To blend different samples, during extraction procedures |
| | Cyclomixer | -01- | To mix small vials of liquids in a quickly oscillating circular motion, during biochemical experiments |
| | Paper chromatography equipment | -01- | To separate and identify dissolved chemical substances in sample |
| | Spectrophotometer - Systronics | -01- | To measure concentration of various biomolecules |
| | Centrifuge -Model R-24 | -01- | Used to separate particles dispersed in a liquid according to their molecular mass |
| | Water distillation unit | -01- | Production of distilled water for various experiments |
| | Water bath-6 holes | -01- | Used to incubate experiment samples in water at a constant temperature over a long period of time |
| | Digital P$^{H}$ Meter | -01- | Electric device used to measure acidity or alkalinity in solution. |
| Bio chemistry Lab 2 | U.V Visible Spectrophotometer | -01- | For quantitative determination of different analytes |
| | Soxhlet extraction apparatus | -01- | For extracting valuable biochemical compounds with the help of various solvents |
| | Homogeniser(5000RPM) | -01- | To aid disruption and mixing of cells i.e., used to blend chemical and biological samples |
| | Heating mantle | -01- | Safe heating for organic solvents; used along with soxhlet extraction apparatus |
| | Refrigerator | -01- | To store chemicals and to cool samples during experiments |
| | Thin layer chromatography | -01- | To separate and identify dissolved chemical substances in sample |

## COLLEGE FARM:

The Agricultural College Farm was initially started in 1945 on a leased land at Machavaram Village, 17 Km away from Agricultural College, Bapatla for a period of five years. It was later shifted to the present location in the year 1950 having an area of 176 ha. Cashew Research Station and Gram Sevak's Training centre were allotted 60 ha. The present total area of the farm is 116 ha. It is situated at an altitude of 5 m above mean sea level at 80º 30' E longitude and 15º 84' N latitude and 8 km away from the Bay of Bengal and 3 km away from Agricultural College campus. The soils of the college farm vary from sandy soils of coastal belt to black soils of deltas.

**The mandate of farm: -**

- Imparting practical knowledge and skills in cultivation of crops to the students of agriculture.
- Providing research facilities to the Post-graduate students of agriculture.
- Foundation seed production of rice varieties.
- Maintenance of Crop Cafeteria and Technology demonstrational plots.

The farm was divided into 5 blocks for administrative convenience *viz*., Wetland block, Northern block, Orchard block, Southern block and Yard block. Each block is under the control of one farm manager.

| **Details of various field facilities** | **Area (Ha)** |
|---|---|
| Total Farm area | 116.00 |
| Agroforestry | 3.81 |
| Cultivable area (Wet + ID + Aqua) | 66.71 |
| Wet | 48.29 |
| I. D | 18.42 |
| Aquaculture | 07.95 |
| Roads, buildings, canals, etc., | 19.53 |
| IMD + Forest Department | 1.40 |
| ARS + SWS(Agril.Research Station & saline Water scheme) | 24.55 |

**Block wise area**

| Type | Area (Ha) | Speciality to conduct Instructional / Research / Hand-on training etc., for students |
|---|---|---|
| Northern Block | 33.58 | UG: Practicals are usually conducted in southern block of college farm by raising field crops. They are also involved in various field operations in progress in the farm<br>PG & Ph.D: Experiments are conducted in different blocks of the college farm as per the requirement of land for different crops taken up by the students. Every year, approximately 9 to 10 ha area is allotted for PG & Ph.D trials |
| Southern Block | 28.15 | |
| Wetland Block | 4.00 | |
| Orchard Block | 9.22 | |
| Godowns & stores | 1.58 | |

**Manpower (Permanent)**

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| **FACULTY** | | | | |
| 1 | Farm Superintendent - Senior Scientist (Agro) & Head | 1 | 1 | - |
| 2 | Farm Manager-Scientist/ Asst.Professor | 5 | NIL (At present) | The staff from Department of Agronomy are deputed to assist |
| **NON-TEACHING STAFF** | | | | |
| 1 | Agril.Officer | 1 | 1 | NIL |
| 2 | Technical Asst. | - | 1 | |
| 3 | Agricultural Extension Officer | 5 | 6 | |
| 4 | JACT | 1 | 1 | NIL |
| 5 | JACT, Stores I/c | - | 1 | - |
| 6 | Typist | 1 | NIL | 1 |
| 7 | Tractor Driver | 1 | 1 | NIL |
| 8 | Office Subordinate | 1 | 1 | 1 |
| 9 | Record Assistant | 2 | 1 | 1 |
| 10 | Cleaner | - | 1 | 1 |

**Manpower (Contractual including Daily wages workers, labour etc.,)**

| S.No | Type of Manpower | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Agricultural workmen (AWM)(Men & Women) | 31 | All the persons are engaged daily for various activities like Watch & ward, other farm activities like irrigation in orchard block, field operations in paddy seed production plots, PG & Ph.D student experiments etc., |
| 2 | Time scale employees (Men & Women) | 87 | |
| 3 | On work Contract basis (Men & Women) | 9 | |

**List of Equipments available at Farm**

| S.No | Name of the Equipment | Numbers | Purpose |
|---|---|---|---|
| 1 | Tractors | 2 no. | For all ploughing purposes and also transport of material with the available trailer |
| 2 | Combine harvester | 2No | For harvesting and threshing of Paddy seed production plots in College Farm. Only one is in working condition |
| 3 | Paddy Seed grader | 1 No. | For paddy seed processing |
| 4 | Paddy seed cleaning and grading machine | 1 No | To be installed. It is for processing of paddy seed |
| 5 | Rice planter (Kuboto)& nursery trays | 1 No | For machine transplanting of Paddy |
| 6 | Paddy seeding machine | 1 No | Seeding paddy in trays for machine transplanting |
| 7 | Soil pulveriser | 1 No | To pulverise the soil for paddy seeding in trays for machine transplanting |
| 8 | Post hole digger | 1 No | For digging holes for planting saplings of various trees |
| 9 | Laser guided land leveller | 1 No | For levelling the fields |
| 10 | Rotovator | 2 No | For obtaining fine tilth of soils |
| 11 | Cultivator-9 tyne | 2 No | For secondary tillage operations |
| 12 | Cage wheels | 3 pairs | For puddling purpose in paddy fields |
| 13 | Disc plough | 1 No | For primary tillage |

| | | | |
|---|---|---|---|
| 14 | Disc harrow | 1 No | For secondary tillage |
| 15 | Mouldboard plough | 1 No | For primary tillage |
| 16 | Power sprayers | 5 No | For spraying various herbicides and pesticides |
| 17 | Wheel hoes | 15 No | For intercultivation |
| 18 | Seed cum fertiliser drill | 2 No | For direct seeding and fertiliser application |
| 19 | Chaff cutter | 1 No | For cutting grass into pieces |

## 6.5.3.3 STUDENT READY / IN-PLANT TRAINING / INTERNSHIP / EXPERIENTIAL LEARNING PROGRAMMES

The Student READY (Rural Entrepreneurship Awareness Development Yojana) programme aims to provide rural entrepreneurship awareness, practical experience in real-life situation in rural agriculture and creating awareness to undergraduate students about practical agriculture and allied sciences. The programme builds confidence, skill and acquire Indigenous Technical Knowledge (ITK) of the locality and thereby, preparing the pass-out for self-employment. It aims to provide opportunities to acquire hands-on-experience and entrepreneurial skills. Three components i.e. Experiential Learning, Rural Awareness Works Experience, In-Plant Training / Industrial attachment, were included in Student READY programme. The details of the Experiential Learning programme units undertaken are furnished below.

**AELP - 2015-2016 :**

During 2015-16, a total of 9 AELP units and 2 minor units were operated in the college with a total of 174 students. The details pertaining to the titles of the units, number of students and profit earned in each unit is furnished in the table.

| S. No. | Name of the Unit | No. of students | Profit / Loss (Rs) |
|---|---|---|---|
| 1 | Soil Testing Unit | 19 | 40,300 |
| 2 | Value Addition Unit | 25 | 63,050 |
| 3 | Vegetable Production Unit - I | 26 | 39,300 |
| 4 | Vegetable ProductionUnit – II | 19 | 13,475 |
| 5 | Leafy Vegetable Production Unit | 11 | 7,593 |
| 6 | Ragi Production | 17 | 7,205 |
| 7 | Groundnut Production | 21 | 22,000 |

| | | | |
|---|---|---|---|
| 8 | Blackgram Production Unit | 17 | 14,562 |
| 9 | Sorghum Production Unit | 19 | 4,650 |
| | Minor units for all 174 students<br>Vermi Compost, Unit – I (College Farm)-89<br>Vermi Compost, Unit – II (Student farm,Dairy)-85 | -- | -- |
| | TOTAL : 9 UNITS | 174 | 2,12,135 |

**AELP - 2016-2017 :**

During 2016-17, a total of 10 AELP units were operated in the college with a total of 187 students. The details pertaining to the titles of the units, number of students and profit earned in each unit is furnished in the table.

| S. No. | Name of the Unit | No. of students | Profit / Loss (Rs) |
|---|---|---|---|
| 1 | Vegetable Production Unit - I | 19 | 13,832 |
| 2 | Black gram Production Unit | 19 | -- |
| 3 | Information Support | 18 | 22,403 |
| 4 | Value Addition Unit | 18 | 46,610 |
| 5 | Groundnut Production Unit | 20 | 25,145 |
| 6 | Soil Testing Unit | 19 | 42,600 |
| 7 | Vermi Compost Unit – I | 18 | 1,70,000 |
| 8 | Vegetable Capsicum Production Unit | 18 | -- |
| 9 | Greengram Production Unit | 19 | 2,800 |
| 10 | Vegetable Production Unit – II | 19 | 7,500 |

**AELP - 2017-2018:**

During 2017-18, a total of 17 AELP units were operated in the college with a total of 204 students. The details pertaining to the titles of the units, number of students and profit earned in each unit is furnished in the table.

| S. No. | Name of the Unit | No. of students | Profit / Loss (Rs.) |
|---|---|---|---|
| 1 | Vegetable Production | 13 | 2,000 |
| 2 | Vermi compost | 13 | 2,25,000 |
| 3 | Vegetable Unit | 12 | 4,960 |
| 4 | Rose and Jasmine Cultivation/ Maize Production | 12 | 9,035 |
| 5 | Sweet Corn Production | 12 | 20,850 |
| 6 | Baby Corn Production | 12 | 9,415 |
| 7 | Ragi Production & Processing | 12 | 6,300 |
| 8 | Soil Testing | 12 | 46,500 |
| 9 | Organic Vegetable Production | 12 | 8,145 |

| | | | |
|---|---|---|---|
| 10 | Groundnut Production | 12 | 4,000 |
| 11 | Vegetable Production | 12 | 3,000 |
| 12 | Food Retailing Unit | 12 | 10,490 |
| 13 | Agricultural Consultancy | 12 | 32,000 |
| 14 | Green gram Production &Sweet Potato | 11 | 4595 |
| 15 | Artimisia / Sweet Potato / Line Leaf Production | 11 | 3360 |
| 16 | Oyster Mushroom Production & Marketing | 12 | -- |
| 17 | Preparation and Marketing of Permanent Slides for Laboratory use | 12 | 13,000 |

**ELP - 2018-2019**

During 2018-19, a total of 16 AELP units were operated in the college with a total of 201 students. The details pertaining to the titles of the units, number of students and profit earned in each unit is furnished in the table.

| S. No. | Name of the Unit | No. of students | Profit / Loss (Rs.) |
|---|---|---|---|
| 1 | Nursery production & Vermicompost preparation unit | 14 | 67,940/- |
| 2 | Production and Marketing of Sweetcorn | 13 | 4,160/- |
| 3 | Floriculture | 12 | 5,000/- |
| 4 | Ragi Production and Processing Unit | 11 | 11,050/- |
| 5 | Breeder seed production of Groundnut | 13 | -- |
| 6 | Fox tail millet seed production and value addition | 12 | 7,329/- |
| 7 | Baby corn Production unit | 12 | 9,500/- |
| 8 | Sweet corn unit | 12 | 7,700/- |
| 9 | Green garden solutions | 14 | 30,230/- |
| 10 | Soil testing | 13 | 94200/- |
| 11 | Groundnut production | 12 | 2,000/- |
| 12 | Vegetable Production | 13 | 13,115/- |
| 13 | Greengram production | 13 | 6,000/- |
| 14 | Cucumber and pendal vegetable production | 13 | 7,000/- |
| 15 | Food Retailing | 12 | 16,000/- |
| 16 | Consultancy | 13 | 76,020/- |

**ELP – 2019-2020**

During 2019-20, a total of 10 AELP units were operated in the college with a total of 226 students. The details pertaining to the titles of the units, number of students and profit earned in each unit is furnished in the table.

| S. No. | Name of the Unit | No. of students | Profit / Loss (Rs.) |
|---|---|---|---|
| 1 | Nursery production & vermicomposting | 25 | 18,750/- |
| 2 | Production and Marketing of corn | 22 | 3,410/- |
| 3 | Breeder seed production of Groundnut | 27 | -- |
| 4 | Green garden solutions | 22 | 5,020/- |
| 5 | Soil testing unit | 22 | 75,454/- |
| 6 | Production and marketing Of Pulses | 21 | 2200/- |
| 7 | Vegetable production | 21 | 4,390/- |
| 8 | Value addition to agri-products | 22 | 24,900/- |
| 9 | Food retailing | 22 | 22,940/- |
| 10 | Agricultural consultancy | 22 | 1,38,600/- |

**Rural Awareness Works Experience Programme (RAWEP)**

The Acharya N.G. Ranga Agricultural University is the first Agricultural University in the country to introduce RAWEP in the year 1979 in its undergraduate course curriculum. This programme has been appreciated by the ICAR and had become a role model for other State Agricultural Universities. Duration of the programme shall be for 14 weeks corresponding to kharif / rabi. A group of about twenty students are allotted to each Research Station / KVK / DAATT Center of the university for 14 weeks. The students in turn are allotted in batches of three to five boys or six to eight girls to a selected village in the vicinity of the Research Station / KVK / DAATT center and attached to one host farmer each. Under this programme, every student works for one semester with farmers and identify various production, protection and marketing constraints as well gain competencies in technological, managerial and communication skills among the students. The main components of the programme include Crop Production, Plant Protection, Rural Economics, Extension Programme and Research Station / KVK / DAATT Center activities. The students are paid a stipend of Rs.3000/- per month during the programme.

An internship is a form of experiential learning method that helps the students (interns) in practical application of the knowledge gained and theory learned in the classroom environment in a professional environment with a hand holding support foroverall skills development. Internships give students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate

talent. And bridge the gap between student's theoretical knowledge and industrial requirements for better employability of students.

**In-Plant Training / Industrial attachment**

The students are attached to the industries for 6 weeks for training after the completion of 14 weeks of RAWEP. The students are attached to the following firms for in-plant training / industrial attachment

| S. No. | Unit |
|---|---|
| 1 | KCP Sugars & Industries Corporation Ltd, Challapalli, Krishna Dist, AP |
| 2 | Biofertilizer Unit, ARS, Amaravathi, Guntur Dist, AP |
| 3 | Bio Control Lab, Ongole, AP |
| 4 | Veeranjenulu Commercial Nursery, Prakasam, AP |
| 5 | Nuziveedu Seeds, Krishna Dist, AP |
| 6 | Soil Testing Lab, Vijayawada, AP |
| 7 | AP State Seed Development Corporation Ltd, Vijayawada, AP |
| 8 | NRI Agri Tech Pvt Ltd, Guntur Dist, AP |
| 9 | Swarna Spices Industries, Duggirala, Guntur Dist, AP |
| 10 | Sasi Traders-Turmeric Merchants & commission Agents, Duggirala, Guntur Dist, AP |
| 11 | Hari Hara Spin Cart, Kurmuthala, Guntur Dist, AP |
| 12 | Niligiri Foundation, Tenali, Guntur Dist, AP |
| 13 | Nestam Foundation, Vijayawada Krishna Dist, AP |
| 14 | Farmer Training Center, Vijayawada Krishna Dist, AP |
| 15 | ATMA, State Department of Agriculture, Ongole, AP |
| 16 | Godfrey Philiphs India Ltd, Vijayawada, Krishna Dist, AP |
| 17 | Veeranjenuyulu Chillies & Vegetables Nursery, Marturu, Prakasam, AP |
| 18 | ITC, Guntur, AP |
| 19 | State Department of Agriculture, Guntur, AP |
| 20 | Jyothiymayi Neem Products, Navuluru, AP |

## 6.5.3.4 CURRICULA DELIVERY THROUGH IT (SMART CLASSROOMS / INTERACTIVE BOARD ETC.,)

The Agricultural College, Bapatla is having a 40 MBPS Broad band connectivity with unlimited Internet facility to the Staff and Students. The Wi-Fi facility was extended to all the ug/ PG/ Ph.D students of both Boys and Girls Hostels. This facility was given by the Government of India through National Mission for Education (NME Connection by the BSNL).

The college has all infrastructure for delivery of curricula through Information technology. All classrooms and department classrooms and laboratories are enabled with smart technologies for effective delivery of lectures for learning more interesting and interacting. The Undergraduate and post Graduate Theory as well as the Practical classes are being taken by the Teacher using wi-fi enabled projectors and few classrooms are also with interactive smart boards. All the departments are having Touch Screen LCD facility to explain the concepts easily understandable to the students. All the staff were well trained using MS- Office (word, Excel, Power point) modules and with the help of LCD projectors they are using Slide presentations wherever is required.

Under Institutional Development Plan (IDP) – NAHEP, two classrooms were made as Virtual Classroom facility having Wi-Fi connectivity to all the participants with 20 KVA UPS Backup.

The virtual classrooms are developed for recroding the lectures using all modern technologies and conducting on-line classes and interactive sessions for effective learning and reaching as many a possible. The facilties are also used by all teachers for conducting classes for students of other campuses in the University.

The College is maintaining its own college website to cater the needs of the students by providing the study material, News, timetables, other academic related information to all the students.

The Agricultural College is having a Student Knowledge Centre with Digital Library, CAB Abstracts, CeRA, Xeroxing facilities. Which is catering the needs of all UG/PG and Ph.D students with its advanced technology.

# 6.5.4
# STUDENT DEVELOPMENT

## 6.5.4.1 STUDENT INTAKE AND ATTRITION

| Name of the Programme | Sanctioned Strength | Actual Number of students admitted in the last 5 years | | | | | Attrition (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2015 | 2016 | 2017 | 2018 | 2019 | 2015 | 2016 | 2017 | 2018 | 2019 |
| B.Sc. (Hons.) Ag. | 240 | 215 | 238 | 250 | 257 | 276 | 2.8% | 2.1% | 1.6% | 1.5% | 6.1% |
| M.Sc. (Ag.) | Varies from Department & Year ** | 59 | 68 | 54 | 53 | 61 | 2.36% | 1.4% | 1.1% | 2.1% | 7.9% |
| Ph.D | Varies from Department & Year ** | 20 | 24 | 21 | 26 | 26 | 0.6% | 0.7% | 0.4% | 0.5% | 0.8% |

*** Department-wise data is presented in the following tables, separately for M.Sc. and Ph.D.*

## STUDENT INTAKE AND ATTRITION IN M.SC. PROGRAMME

| S.No. | Name of the Department | M.Sc. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Actual Number of students admitted in the last 5 years | | | | | Attrition (%) | | | | |
| | | 2015 | 2016 | 2017 | 2018 | 2019 | 2015 | 2016 | 2017 | 2018 | 2019 |
| 1 | Agronomy | 9 | 12 | 10 | 10 | 9 | 0 | 0 | 0 | 0 | 22.2% |
| 2 | Agricultural Economics | 4 | 6 | 4 | 3 | 6 | 0 | 0 | 0 | 0 | 16.6 |
| 3 | Agriculture Extension & Communication | 4 | 4 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| 4 | Entomology | 7 | 9 | 8 | 8 | 9 | 0 | 22.2 | 0 | 0 | 22.2 |
| 5 | Genetics & Plant Breeding | 15 | 16 | 9 | 13 | 13 | 6.2 | 6.2 | 0 | 18.7 | 12.5 |
| 6 | Soil Science and Agricultural Chemistry | 6 | 9 | 6 | 8 | 8 | 0 | 0 | 0 | 12.5 | 37.5 |
| 7 | Plant Pathology | 5 | 7 | 6 | 6 | 7 | 0 | 14.2 | 0 | 33.3 | 28.5 |
| 8 | Crop Physiology | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 |
| 9 | Statistics and Computer Applications | 2 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

## STUDENT INTAKE AND ATTRITION IN Ph.D. PROGRAMME

| S.No. | Name of the Department | Ph.D. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Actual Number of students admitted in the last 5 years | | | | | Attrition (%) | | | | |
| | | 2015 | 2016 | 2017 | 2018 | 2019 | 2015 | 2016 | 2017 | 2018 | 2019 |
| 1 | Agronomy | 3 | 6 | 3 | 4 | 4 | 33.3% | 0 | 0 | 25% | 0 |
| 2 | Agricultural Economics | 3 | 3 | 2 | 3 | 0 | 0 | 0 | 100 | 0 | 0 |
| 3 | Agriculture Extension & Communication | 1 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| 4 | Entomology | 7 | 2 | 2 | 3 | 4 | 14.2 | 0 | 0 | 0 | 0 |
| 5 | Genetics & Plant Breeding | 1 | 4 | 3 | 6 | 6 | 0 | 16.6 | 0 | 16.6 | 0 |
| 6 | Soil Science and Agricultural Chemistry | 2 | 2 | 3 | 3 | 3 | 0 | 0 | 0 | 33.3 | 0 |
| 7 | Plant Pathology | 1 | 2 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 |
| 8 | Crop Physiology | 1 | 2 | 2 | 4 | - | 0 | 0 | 0 | 0 | 0 |
| 9 | Statistics and Computer Applications | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

## 6.5.4.2 NUMBER OF STUDENTS IN THEORY AND PRACTICAL CLASSES

| Programme | Number of Theory Classrooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| B..Sc (Hons) Agriculture | 8 + 1 | 14 + 1 (Farm) | All the classrooms and functional laboratories are sufficient to meet the instructional, hands-on training practicals and research requirements<br>All the laboratories were sufficient to meet course curriculum since a batch is divided into sub batches and are given experiments for each sub batch. |
| M. Sc. (Ag.) | 12 | 26 | All the classrooms and functional laboratories are sufficient to meet the instructional, hands-on training practicals and research requirements |
| Ph. D | 8 | | |

*## The department-wise data for PG and Ph.D classrooms and Laboratories is presented below:*

**THEORY AND PRACTICAL BATCHES FOR THE PROGRAMMES:**

| Name of the Programme | Total Intake/year | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| B..Sc (Hons) Agriculture | 240 | 2 | 120 | 4 | 60 |
| M. Sc. (Ag.) | 2 – 15 ** | 1 | < 20 | 1 | < 20 |
| Ph. D | 1 – 4 ** | 1 | < 20 | 1 | < 5 |

*** The intake for Post Graduate Programmes vary with department, but not exceeding to 15 students / year in M.Sc (Ag.) and 5 students in Ph.D. The Number is as per the allotment made by University.*

*## The department-wise data for PG and Ph.D classrooms and Laboratories is presented below:*

**AGRONOMY**

| S.No | Name of the Programme | Total Intake/year | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 12 | 1 | 12 | 1 | 12 |
| 2 | Ph.D | 2 | 1 | 2 | 1 | 2 |

**ECONOMICS**

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 5 | 2 | 5 | 2 | 5 |
| 2 | Ph.D | - | - | - | - | - |

**AGRICULTURAL EXTENSION**

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 4 | 1 | 4 | 1 | 4 |
| 2 | Ph.D | 4 | 1 | 4 | 1 | 4 |

**ENTOMOLOGY**

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 8-14 | one | 8- 14 | one | 8- 14 |
| 2 | Ph.D | 2-5 | one | 2-5 | one | 2-5 |

**GENETICS & PLANT BREEDING**

| S.No | Name of the Programme | Total Intake/years* | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc. | 9 - 15 | 1 | 9 - 15 | 1 | 9 - 15 |
| 2. | Ph.D. | 1 - 6 | 1 | 1 - 6 | 1 | 1 - 6 |

**SOIL SCIENCE AND AGRICULTURAL CHEMISTRY**

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 9 | 1 | 9 | 1 | 9 |
| 2 | Ph.D | 3 | 1 | 3 | 1 | 3 |

**PLANT PATHOLOGY**

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M. Sc | 4 | 1 | 4 | 1 | 4 |
| 2 | Ph. D | 2 | 1 | 2 | 1 | 2 |

**CROP PHYSIOLOGY**

| S.No | Name of the Programme | Total Intake/ years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 4 | 1 | 4 | 1 | 4 |
| 2 | Ph.D | 1-4 | 1 | 1-4 | 1 | 1-4 |

**STATISTICS & COMPUTER APPLICATIONS**

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 3+1 | 1 | 4 | 1 | 4 |
| 2 | Ph.D | 2+1 | 1 | 3 | 1 | 3 |

## 6.5.4.3 ADMISSION PROCESS

### ADMISSION PROCESS FOR UNDER GRADUATION: B.SC. (HONS.) AGRICULTURE

The selection of candidates for all the seats shall be made based on ranks obtained by the candidates in AP EAMCET conducted by the state government and AGRICET organized by the university to the Agri. Polytechnic students. Candidates shall be selected based on the merit, presidential order, region and social status. Admissions shall be given in the constituent colleges only based on merit.

**Fee Mechanism:**

The fee for application, semester fee, special fee and other fee shall be prescribed by the university from time to time and the admission fee shall be paid by the candidate in person at the university campus at the time of counselling.

**Registration Process:**

Students who have received notification of admission from the university into various faculties will receive guidelines for the registration from the Associate Dean of the respective colleges. A registration and orientation program will be conducted by the Associate Dean of the college for the benefit of the students joining the university for the first time. The students in each batch shall have to register for the course offered and have to fill in the registration cards in person producing the identity card at the registration center on the day of registration. The academic section (undergraduate) of the college shall prepare a list of students who have registered for each course and send them course-wise to the teacher concerned within a week.

**Academic Schedule Publication:** An approved academic calendar which provides the information of dates pertaining to the Registration of Course, Commencement of Instruction, Last date of Registration, Preparation Holidays, Semester Final Theory Examination and Commencement of Next Semester is communicated to the candidates after 10 days of the registration of semester.

## ADMISSION PROCESS FOR POST GRADUATE PROGRAMMES (M.Sc. & Ph.D.)

### MASTER OF SCIENCE: 2015-2018

- Candidates seeking admission into master's degree courses must have passed the bachelors degree examination from ANGRAU or any institution accredited by ICAR/approved by ANGRAU. In the above qualifying examination, the candidates must have secured minimum OGPA of 5.50/10 (SC/ST-5.00/10) or 2.5/4 (SC/ST-2.00/10) or 50% marks in traditional system (SC/ST-40%)
- The selection shall be based on the previous academic record at under graduate level and performance in entrance test and the weightage would be in the ratio of 30:70. The entrance test shall be comprehensive one, covering all relevant subjects prescribed for the concerned bachelor degree requirements of this university
- The admission shall be on the basis of counseling. The selected candidates shall submit the necessary certificates (in original), pay the prescribed fee and secure the admission at the allotted colleges.

### DOCTOR OF PHILOSOPHY: 2015-2018

- For admission into Doctoral courses, Master of science or an equivalent examination in Agriculture in the concerned field of specialization at least with 50% marks in the aggregate under traditional system of examination or an OGPA of 3.25/4.00 (SC/ST-3.0/4.0) or 7.5/10.0 (SC/ST- 7.0/10.0) in grade point system and the basic degree i.e., B.Sc (Ag) of 4 years duration from ANGRAU or any institution accrediated by ICAR/approved by ANGRAU is essential

**Criteria of Selection:**

| | | |
|---|---|---|
| The weightage of marks | Entrance test | 50% |
| | M.Sc. level | 30% |
| | B Sc. Level | 10% |
| | Interview performance | 10% |

The qualifying marks in entrance test shall be 50%, in case of SC/St candidates there are no qualifying marks. Selection of candidates for admission into Ph. D. course shall be made by a selection committee constituted by the Vice-Chancellor.

**PG and Ph.D : 2019-20**

- The admission into Master's or Doctoral degree are based on the marks /rank obtained in ICAR's All India Entrance Examination (AIEEA)/ ICAR's All India Competitive Examination (AICE). The student applied for a subject group has to produce rank card in that subject group only. The weightage of the academic performance and AIEEA/AICE (ICAR) rank card / marks for admission is as follows:
    - PG programme admission: The selection shall be based on the previous academic record at Undergraduate level and performance in AIEEA (ICAR) test and the weightage would be in the ratio of 30:70.
    - For Doctoral Programme admission: The selection shall be based on the previous academic record at Undergraduate level, post graduate level, performance in AICE (ICAR) test and interview and would be in the ratio of 10:30:50:10.
- Qualifying marks: As per AIEEA/AICE (ICAR) rules, the candidate qualified and secured rank card in AIEEA/AICE (ICAR) are eligible for admission into master's degree and Doctoral degree, respectively

## 6.5.4.4 CONDUCT OF PRACTICAL AND HANDS ON TRAINING

**BACHELOR OF SCIENCE (HORNOURS) AGRICULTURE:**

The Agricultural College, Bapatla had its genesis in the year 1945. Since its inception, the college had assumed responsibilities of providing agricultural education and technologies with rectitude enthusiasm. The undergraduate program, B.Sc. (Agriculture) of 4 years tenure was offered in the college with a primary focus on training the students on the real-world research and practices in agricultural science, dealing with disciplines like Agronomy, Genetics and Plant Breeding, Soil Science, Entomology, Plant Pathology, Crop physiology, Economics, Extension, statistics and computer applications, Horticulture and Biochemistry.

Conducting practical's by involving the students is given the topmost priority with the share of 40% of the course work. The practicals were being conducted in the well-equipped laboratories present in the respective departments. Theory classes were being taken in the classrooms with all the audio-visual aids by dividing the students into batches. The students were selected and were sent to various institutes under the international development program (IDP) and were trained in the various national institutes under the national development program (NDP).

Comprehensive knowledge of usage of seeds, fertilizers, herbicides, insecticides, fungicides, and growth hormones along with the mode of calculations to various field conditions was imparted to the students. Besides, they were also involved in handling agricultural implements like sprayers, tractors, cultivators, etc. The hands-on training was given to the students in interpreting the meteorological data, GPS, emasculation and pollination procedures, observing the structure and modifications of different parts of insects, sampling of insects, detection, and diagnosis of various pests and diseases of agricultural and horticultural crops. Each student was individually involved in using computers and statistical tools.

For improving the farming and entrepreneurial skills of students, they were involved in the rural agricultural work experience program (RAWEP) and experiential learning program (ELP). Enhancement of leadership skills was being done by involving students in national cadet corps (NCC) and national service scheme (NSS). Practical

exposures were being given by taking the students to the research stations, agricultural and horticultural farms, and various government organizations and making them interact with the farmers by conducting short surveys. A gym and sports complex with a good indoor stadium was being provided to the students for involving them in various indoor and outdoor games. Every year competitions were being conducted at the college level for sports and cultural events for improving the abilities of the students.

**POSTGRADUATE COURSES**

The First Postgraduate (PG) Programme was started in the Department of Genetics and Plant Breeding in the year 1968. The PG programmes were subsequently offered by other departments in the later years. The introduction of PG programmes was commenced to solve the field hurdles faced by the farming community. Students were trained in various scientific processes involved in their respective departments and the usage of equipment in the departments. Research facilities were created based on departmental requirements. The central instrumentation facility was also created with advanced lab equipment like electron microscopes, advanced microscopes, spectrophotometers, etc. The equipment present in the laboratories was being used by the students in the free environment.

The students were given hands-on training in handling molecular tools, enzymatic analysis, QTL mapping, detection and diagnosis of pests and diseases, usage of SPSS, and R software in the analysis of data. In addition to the academic work, the comprehensive knowledge of research ethics, and intellectual property rights was imparted to the students. In the way of building their capabilities, students were being encouraged to participate in seminars, conferences, workshops, and training programs. Through this continuous effort, students received several recognitions in the conferences and seminars conducted at the national and international levels. Students were also encouraged to publish their research works in the journals at international level.

Practical exposures were being given by taking the students to the research stations, agricultural and horticultural farms, and various government organizations and making them interact with the farmers by conducting surveys. A gym and sports complex with a good indoor stadium was being provided to the students for involving

them in various indoor and outdoor games. Every year competitions were being conducted at the college level for sports and cultural events for improving the abilities of the students.

**THE DEPARTMENT-WISE INFORMATION ON CONDUCT OF PRACTICAL AND HANDS-ON TRAINING IS PRESENTED BELOW IN BRIEF:**

**AGRONOMY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Comprehensive knowledge on packages of practices utilizing both manual and machinery from seed to seed is imparted practically involving physical participation of students in important agricultural operations. Information on weather parameters, use of Agro-Meteorological equipment and their computation, measurements, tabulation, determination, usage of GPS etc. are disseminated with rectitude enthusiasm. Identifying forest trees, seed specimens, and use of measuring equipment besides involving them in crop production technology from seed to seed virtually by raising of demonstration plots.<br>Hands on training on irrigation management strategies by systematic planning of field visits, determination of water constants and exposure to live functioning of sprinkler and drip device was being given to the students. |
| M.Sc | Students are being trained as per the practical syllabus in respective courses. Students will be allotted individual plots for raising field crops by which they involve in field operations right from field preparation to harvest under the extensive supervision of the course incharge. Students were well acquainted in calculating the seed rate, fertiliser dose, herbicide dose under various farming situations. Students will also be exposed to field conditions by study tours to visit farmer fields, research stations, watershed areas etc. |
| Ph.D | Apart from attending to their prescribed regular academic curriculum, students are trained for preparing research proposal and field experiments, analysing the field data. Delivering seminars and preparation of static and live models. Exposure & field visits of research stations (State and National) and farmers' fields. |

**AGRICULTURAL ECONOMICS**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students were involved in socio-economic surveys, farm holding surveys, market surveys, collecting the data from financial institutions, cooperatives societies, analysing and report writing. Agricultural Consultancy and Food Retailing aspects were being learnt under Experiential Learning Programme (ELP) |
| M.Sc | Students were exposed in different methodologies of conducting surveys and analysing the data with statistical packages |
| Ph.D | Doctoral students were trained to conduct surveys on various problems faced by the farmers. They were also exposed analysing the data with statistical packages and publishing data for the benefit of farmers. |

**AGRICULTURE EXTENSION & COMMUNICATION**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students are getting cent percent desired practical and hand-on training as per the curriculum. They are exposed to rural society, village institutions, extension organisations, successful entrepreneurs. |
| M.Sc | Students are getting cent percent desired practical and hand-on training as per the curriculum. They are oriented to skills in research, programme planning, monitoring & evaluation, and exposed to rural society, extension organisations. |
| Ph.D | Students are getting cent percent desired practical and hand-on training as per the curriculum. They are oriented to skills in scale development, instructional technology, training methodologies, organization communication & development and exposed to rural society, extension organisations. |

**ENTOMOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | First year students are given very good hands on training in collection, identification and preservation of insect specimens, observations on structure and modifications of different parts of insect. They are being trained in dissection of mouth parts, digestive and reproductive systems.<br>Second year students are getting hands on training in sampling of insects, mass rearing of bio agents, various Plant protection |

| | |
|---|---|
| | techniques, calculations of pesticide dosages.<br>Third year students are being give very good hands on training in identifications of various insect and non-insect pests and symptoms of damage on field crops, horticultural crops, Sericulture, Apiculture and mass production of bio agents<br>Final year students are being trained through RAWEP and AELP. |
| M.Sc | Masters students are getting excellent training in their PG course course work in preparation of specimen slides,dissections, micrometry, camera lucida drawings, estimation of insect chitin, carbohydrates, proteins, amino acids, preparation of artificial diets, chromatography techniques, sampling techniques, working on diversity indices, life tables, spatial distribution, Hollings disc experiments, Mass production of insects, bio agents, plant protection techniques. |
| Ph.D | Doctoral students are getting excellent training in molecular techniques, general acarology, various mites and their damage symptoms, IPM, identification of insects using taxonomic keys upto families, preparation of artificial diets, Quarantine Entomology, advanced nsect physiology, mass production of insects, bio agents, plant protection techniques. |

**GENETICS & PLANT BREEDING**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | GPBR- 111 – Hands on training with respect to different stages of mitosis and meiosis cell division process. Slide preparation and identification of different microscopes, their parts and functioning demonstration.<br>GPBR – 211, 311 & 312 – Hands on training on floral biology, flower structure, emasculation and pollination procedures in lab and field. Exposure visits to different research stations with respect to procedures being adopted for specific crop improvement.<br>GPBR – 314 – Hands on training on seed purity testing in addition to viability, vigour tests. Visit to seed production plots, seed processing units, APSSDC and APSSCA labs for exposure regarding seed production and tests for confirmation of purity and seed health. |
| M.Sc | GP- 502 - Hands on training with respect to different stages of mitosis and meiosis cell division process. Slide preparation and identification of different microscopes, their parts and functioning demonstration.<br>GP- 503 - Hands on training on floral biology, flower structure, emasculation and pollination procedures in lab and field. Exposure |

| | |
|---|---|
| | visits to different research stations with respect to procedures being adopted for specific crop improvement.<br>GP – 508 & 509 - Hands on training on DNA isolation, PCR techniques, gel electrophoresis, scoring of gels, and interpretation of gel results. Statistical analysis related to diversity and QTL analysis. PAGE techniques and on tissue culture techniques.<br>GP- 504 – Statistical techniques for analysis of different experimental designs and biometric data. |
| Ph. D | GP-601 & 610: Visit to different research stations for in-situ and ex-situ germplasm and handling of genetic resources.<br>GP603: Hands on training on DNA isolation, PCR techniques, gel electrophoresis, scoring of gels, and interpretation of gel results. Statistical analysis related to diversity and QTL analysis. PAGE techniques and on tissue culture techniques. |

**HORTICULTURE**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students were given knowledge on packages of practices of different vegetable, fruit, flower, spices and plantation crops. They were also involved in designing the landscapes. Visitis to farmer's fields and research stations as and when required for their filed level exposure on cultivation practices adopted in various horticultural crops. |

**SOIL SCIENCE AND SGRICULTURAL CHEMISTRY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students can get the information about basic concepts in chemistry part, soil, water and fertilizer sample analysis in a superficial manner |
| M.Sc | Students can prepare soil, plant and water analysis of their own and experience with the operation of instruments and they can familiar with all principles involved in the operation of instruments |
| Ph.D | ∗ Student is able to perform advanced techniques related to soil genesis, morphology, pedological as well as fertility related issues along with basic parameters. |

**PLANT PATHOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Frequent field visits are being organized to expose students to various diseases in fields situated around Bapatla campus (Guntur |

| | |
|---|---|
| | Dt). They are al;so being trained in detection and diagnosis of various plant diseases caused by fungi, bacteria and viruses. |
| M. Sc. | Field visits for survey of diseases in and around Bapatla, practicals in lab regarding microscopy, enzymatic analysis, chromatography and molecular pathological work are being organized. |
| Ph. D. | Handling all the equipment, running PCR and molecular pathology equipment, meeting majority of the research requirements in lab. Students are also being trained in diagnosing various fungal, bacterial and viral diseases through advanced molecular techniques. |

**CROP PHYSIOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students gain adequate practical knowledge on how to prepare required concentration of nutrient & hormonal solutions and in seed physiology aspects like dormancy breaking, seed vigour & viability. Students also acquainted real time practical knowledge in the identification of nutrient deficiency symptoms in the field |
| M.Sc | Students got desired practical knowledge in stress physiology, nutriophysiology, seed physiology, photosynthesis & crop productivity and application of Plant Growth Regulators |
| Ph.D | In addition to the normal academic work, doctoral students were well acquainted in diagnosing and managing the nutrient deficiencies. Students were being encouraged continuously to frame research works on photosynthesis, nutrio physiology, and stress physiology by using the advanced molecular tools. |

**STATISTICS AND COMPUTER APPLICATIONS**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | All students are being trained in the Computers using Windows Operating System with Microsoft Office (Word, Excel, Power point and Access). Advanced statistical tools available in Excel through Data Analysis option is being explained and all the students are learning those techniques. |
| M.Sc | Hands on training on the usage of SPSS, Excel, R softwares is being conducted. Students were also trained to analyse different types of data using the advanced statistical tools. |

**BIOCHEMISTRY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| B.Sc | Comprehensive knowledge on various pathways involved in growth cycle of plants was imparted to the students. They were involved in analysing the carbohydrates, lipids, starch, proteins, and amino acids. Students were also involved in analysing various enzymatic activities in plant samples. |

## 6.5.4.5 EXAMINATION AND EVALUATION PROCESS

**UNDERGRADUATE PROGRAMME: B.Sc. (Hons.) Agriculture**

The evaluation of the student in a course shall be based on his/ her performance in various kinds of examinations, records, class work and other types of exercises.

The detailed course outlines in each course shall be prepared by the concerned teacher(s) in consultation with the University Head of the Department/ Head of the Department, which will be made available to the students during the first week of the semester, A schedule of the mid-semester examinations of the academic programme shall be prepared by the Associate Dean and notified to the students at the beginning of each semester.

**INTERNAL EVALUATION:**

**Mid semester examination:**

- There shall be one mid-semester examination to be conducted by the teacher offering the course after 50% of the working days are over in a semester. The duration of the mid-semester examination shall be for one and half (1 ½ hrs) hours. The marks allotted for mid-semester examination shall be 50.
- The answer scripts of mid-semester examinations shall be evaluated by the concerned course teacher and shall be shown to the students. The students shall have the option to request the teacher for clarification of any doubts in scoring, provided that such clarification is requested for when the answer scripts are made available to them. This shall not apply for final examinations.

**Final Practical examination:**

- Final practical examination shall be conducted in the last practical class of the semester for 50 marks. Marks for the practical examination shall be based on continuous evaluation of practical classes including class work and record for 25 marks; and a final practical examination shall be conducted for 25 marks which shall include a viva-voce examination.

**EXTERNAL EVALUATION:**

**Semester Final Theory Examinations:**

- The semester final theory examinations shall be held in theory portion of the each course by the university at the end of each semester. Semester final examination in the theory portion shall be of two and half hours (2 ½ hrs) duration. The marks allotted for semester final theory examination shall be 100.
- On the last day of semester final theory examinations, the Associate Dean shall send all the coded answer scripts of each course, year of study wise in sealed cover to the designated evaluation centre (constituent colleges in the University) and shall be evaluated by the course teacher of the evaluation center. After evaluation by the concerned course teacher, the marks award list of students shall be sent to the respective college by the Associate Dean of the evaluation centre.

**POSTGRADUATE PROGRAMMES: M.Sc. & Ph.D.**

During the semester, teacher in charge of a course shall hold different kinds of tests and assign to the student's laboratory, library or field work. The students may also participate in seminars and submit term paper. The marks to be allotted between the theory and practical work shall be in the proportion of their respective credit hours. The weightage for theory and practical examinations may be as follows

| Theory | Marks | Practicals | Marks |
|---|---|---|---|
| Assignment/term paper/seminars (internal evaluation) | 20 | Record and class work (internal evaluation) | 50 |
| One mid term examination (internal evaluation) | 30 | Final examination (internal evaluation) | 50 |
| Semester final examination of 3 hrs (external evaluation) | 50 | | |
| **Total** | **100** | | **100** |

Each course may be evaluated @ 50 marks for each credit which may be finally reduced to 100 for awarding grade. In order to pass PG student must secure a minimum of 50% marks in both theory and practical final examination.

**EXAMINATION SCHEDULES**

- Midterm examination after about 50 days from the commencement of the semester
- semester final theory and practical examination at the end of the semester
- A PG student getting a grade less than 6.00/10.00 in any course will be deemed to have failed in that course. However, student may not be required to study that course by repetition, but he/she may appear all examinations including semester final examination in that course when conducted next according to the regular schedule. In case of students, who have successfully completed all courses except failed course, the Associate Dean may permit re-examination during final semester ($4^{th}$ semester for M. Sc./$5^{th}$ semester for Ph. D.) or any subsequent semesters

**MINIMUM CREDIT REQUIREMENT**

| **Subject** | **Master's programme** | **Doctoral programme** |
|---|---|---|
| Major | 20 | 15 |
| Minor | 09 | 08 |
| Supporting | 05 | 05 |
| Seminar | 01 | 02 |
| Research | 20 | 45 |
| **Total credits** | **55** | **75** |
| Compulsory Non-credit courses | 06 | 06 |

- After completion of all core courses (for M.Sc. students) and 75% of approved credit load, a qualifying /comprehensive examination comprising of both written and oral components may be conducted. In order to be eligible, the student should have secured OGPA of 6.50.
- The written test will precede the oral. 50% at master's degree level and 70% at Ph. D level shall be the minimum marks for passing the written qualifying examination.

- The oral examination shall be conducted by the students advisory committee and an External Examiner either from another campus of this university of outside as nominated by the Dean PG studies.
- A student shall submit thesis for master's degree and Ph. D. degree after completion of course work requirement, the required number of research credits and after passing the qualifying examination successfully.
- The thesis submitted by the student shall be sent to an external examiner for evaluation, for the Ph D degree, thesis shall be sent for evaluation to two external examiners from outside the University.
- A student of master's degree and Ph. D. degree programme shall be eligible for the award of degree after completion of final oral (thesis) examination satisfactorily.

## 6.5.4.6 NCC / NSS Units

**NATIONAL SERVICE SCHEME (NSS)**

The NSS unit was started in 1975-76. The activity was included as a non-gradial course COCA 100, 2(0+2) credits from 2007 and works as five units with fifty students in each unit guided by five NSS programme officers. It is mandatory that every student who gets admitted into the undergraduate programme shall become a NSS volunteer.

During first year the student will register a non-gradial COCA 100, NSS, 0+2 credits for a semester and students get involved in various need based activities. In addition, the students of second and third year will also register as volunteers of NSS as a part of their curriculum and will be involved in various social activities. It is mandatory that the final year students will participate in a special camp for a week at rural area or adopted village for a week. The student gets involved in two types of activities; regular activities (120 h) during first, second and third year of their under graduation, Annual Special camp (120 h) during final year. Thus, an undergraduate will serve as NSS volunteer for all the four years and will be meeting the required 240 h of social service for getting Certificate entitled as NSS volunteer from the University under the signature of Vice Chancellor and the Programme Coordinator

The other activities include Blood donation, Mass Cleanliness cum Awareness drives like Swatch Bharat campaigning etc, Tree plantation, special village camps for

creating awareness in villagers on Hygiene, weed control, diseases due to mosquitoes, Rodent control, kitchen gardening, motivating unprivileged school children about various opportunities, pulsepolio campaign, yoga, women empowerment, youth festivals, heath camps etc.,

By being a NSS volunteer, the students are extensively benefitted in developing self-confidence, selfless service motto, leadership qualities, intellectual expertise, responsible citizens, personality, motivated to work together for the peace and prosperity of the fellow citizens and the nation, develop communication skills, observational skills and logical thinking, and teaches them to face life challenges in their future as they get involved with various group of people. The NSS unit strive its best to develop the attitude of **NOT ME BUT YOU.**

### 6.5.4.7 LANGUAGE LABORATORY

The College has separate section for English, and the English course (ENGL 101: Comprehension & Communication skills in English) is compulsory for all first-year students as a part of the curriculum. In this course, the students were trained on basic grammatical rules, communication & soft skills, group discussions skills, oral presentation skills, telephone etiquette, phonetics, stress and intonation etc.,

The English section also conducts trainings and orientation programmes to enhace the employability skills by conducting JAM (Just A Minute) sessions and mock interviews for all the students, specially for the final year students.

The English section trains the Post Grdauate and Ph. D. students on technical writing which enhances the students to write the thesis and research papers effectively.

In the laboratory / practical sessions, every student is encouraged to participate in all the oral activities and feedback is taken from the students and the best performer will be presented with books etc.

On important occasions students are encouraged to make posters, banners, and deliver short speeches.

## 6.5.4.8 CULTURAL CENTER

**Students:**

Yes, the college is having cultural activities not only to students by also to the teaching and non-teaching staff members to explore their talents and to encourage positive team spirit amongst them. All the UG & PG students will actively participate in intramural, intercollegiate and interstate sports & games, cultural and literary competitions with a competitive spirit. The campus is also having a news corner maintained by student community. The campus will be conducting the events viz., cricket, basket ball, badminton, football, volley ball (sports), shotput, athletics, table tennis, javlin throw (games), monoaction, skit, mime, drama, singing (Cultural), essay writing, elocution, debate, quiz, etc (Literary). Whenever the competitions were held judgement of the events is done by the eminent personalities in the respective fields either from other college faculties of the local colleges or persons who are experts in their fields and motivative speakers.

**Staff:**

Sports, games, cultural and literary intramural and intercollegiate competitions will be held every year to encourage the staff members to participate in all the events like indoor games (caroms and chess) and outdoor games (like cricket, basketball, ball badminton). The staff members will participate actively in literary competitions like essay writing, elocution and debate and cultural competitions like mono action, skit, mime, drama and singing which promotes group activity and interpersonal relations.

The campus also organizes elocution, essay writing and group discussions on special occasions like birthday celebrations of Dr. B.R. Ambedkar, Smt. Indira Gandhi, etc.

The college is having a beautiful auditorium in the name of Dr. B.V. Nath, founder of the college in which all the cultural activities are performed.

So, all these sports, games, cultural and literary competitions in the college improves leadership skills among the students and helps in developing their co-curricular activities which help the students for growth, team spirit and also academic persistence.

## 6.5.4.9 PERSONALITY DEVELOPMENT

The College has Student Activity Centre (SAC) in a specifically designated building with required infrastructure. The officer In-Charge, Student Activities (OSA) will be looking after various activities. Simultaneously, the college has specific SC/ST Cell for looking after various student development activities. The college also allot funds for the student development, in addition to the funds from SC/ST Sub Plan. The student activity centre is looked after by Officer In-Charge, SC/ST Cell.

The following are the faciltites developed at student Activity Centre:

- Reference Books section
- Reading room
- Training and Activity Centre

The SAC conducts various short-term or one-hour capacity building training classes for all the students on personality development, Language skills, writing and speaking skills, group discussion skills, employment opportunities, interview facing skills, yoga and meditation, positive thinking etc.

The experts or master trainers from various walks of life will be invited for talk / interaction with students. The programmes are conducted on regular basis or on request from the students.

The students of the college are motivated and encouraged to participate all kinds of sports and games activities, and various cultural and literary competitions for development sportsmen spirit and understanding the various cultures and ethics. The students of the college are also taken to visits for various places during the stay in the college for the purpose.

# 6.5.5
# PHYSICAL FACILITIES

## 6.5.5.1 HOSTELS

### NIVEDITHA GIRLS HOSTEL COMPLEX

**ACCOMMODATION DETAILS**

| S.No. | Name of the Hostel | UG/PG | Number of Rooms | Students per room | Total Capacity |
|---|---|---|---|---|---|
| 1 | Diamond Jubilee block | UG 1st year | 34 | 5 | 169 |
| 2 | Old Niveditha block Ground floor | UG 2nd year | 15 | 5/6 | 80 |
| 3 | New Niveditha block | UG - 2nd year | 12 | 4/6 | 70 |
| 4 | III year block | UG 3rd year students | 30 | 4/5 | 143 |
| 5 | New Niveditha Block | UG Final year students | Common Hall | 10 | 10 |
| 6 | Doctor quarters | UG Final year students | 3 | 4 | 12 |
| 7 | New P.G block | P.G, Ph.D and Final year UG students | 26 | 4/7 | 137 |
| Total | | | 120 | | 621 |

**MESS & OTHER FACILITIES / AMENITIES**

| S.No. | Name of the Facility | Total Capacity |
|---|---|---|
| **1** | Hostel Office (2 rooms) | 5 |
| **2** | **Mess (U.G. mess and P.G. mess)** | |
| | **i) U.G mess**<br>2nd year Bsc (Ag) students - 150<br>3rd year Bsc (Ag) students - 143<br>4th year students (ELP) - 79 | 372 |
| | **ii) P.G. Mess**<br>1st year Bsc (Ag) students -169<br>P.G &Ph.D students - 80 | 249 |
| **3** | **Reading rooms : 3 no:** (2 in Diamond jubilee block, 1 in New PG hostel) | 105 |

| | | |
|---|---|---|
| **4** | **T.V rooms**: **2 no**(III year block -1 T.V. room and P.G. block -1 T.V. room) | 50 |
| **5** | **Recreation facilityfor Girls– Indoor games and Gym** consisting of Table Tennis, Carroms, Chess, Bicycle and Treadmill for exercise purpose) | 20 |
| **6** | R.O. water Plant facility for generating 500 liters of water | 1 |
| **7** | Ambulance facilitywith driver (24X7) | 1 |
| **8** | Kirlosker 8.2 KV Generator | 1 |
| **9** | Water Dispensers | 9 |
| **10** | 25 Lts Electrical Gysers - | 10 |
| **11** | 162.5kva DG set Kirloskar Generator | 1 |
| **12** | Water cooler 80/80 | 4 |
| **13** | Chest freezers | 2 |

**Brief notes on indoor games, recreation facility, emergency medical facility, hostel cleaning procedures etc. with good pictures of facilities.**

- Indoor games and gym facilities (Table Tennis, Carroms, Chess, Bicycle and Treadmill for exercise purpose) serving recreation facilities. Outdoor shuttle courts are also available at Diamond Jubilee block (1st year block and New PG hostel)
- Apart from the recreation facilities at girl's hostel, Indore games and other recreation facilities are available at the common multi-purpose indoor games & sports stadium of the college.
- With regards to entertainment of the students boarders' TV room with local cable TV network is being maintained in the hostels.
- For any medical emergency the full-time health facility with a part time residential physician is available in the campus. 24X7 ambulance facility along with driver is available for the boarders.
- For regular cleaning and maintenance of hostel premises, a total strength of five sanitization workers and 13 separate cleaning staff for the mess, cooking areas, hostel rooms and blocks on daily basis. For cleaning of rooms and wash areas proper sanitation and disinfection procedures are being followed.
- Mess and cooking facilities: A well maintained renovated kitchen facilities with good hygienic food preparation are available for serving UG and PG students separately.

- Reverse Osmosis (RO) water plant with 500litre capacity is made available round the clock serving drinking water facility to all boarders and it is being regularly cleaned and well maintained.
- 8.2 KV generator is available for uninterrupted power supply

## BOYS HOSTELS

### ACCOMMODATION DETAILS

| S. No | Name of the Hostel | UG / PG | Number of Rooms | Students per room | Total Capacity | No. of actual inmates |
|---|---|---|---|---|---|---|
| 1 | Vemana | UG First Year | 26 | 3 | 78 | 76 |
| 2 | Siddartha | UG 2nd & 3rd year | 50 | 3 | 150 | 151 |
| 3 | Vivekananda | UG (4th year ELP students) | 50 | 3 | 106 | 40 |
| 4 | New Boys' PG hostel | PG | 60 | 2 | 120 | 58 |
| Total | | | | | 454 | 325 |

### MESS AND OTHER FACILITIES / AMENITIES

| S.No | Name of the Facility | Total Capacity |
|---|---|---|
| 1. | Hostel office (2 rooms) | 6 |
| 2. | Mess | |
| | i) UG mess -I (dining hall for 2ndyear& 3rdCD batch students) | 114 |
| | ii) UG mess-II(dining hall for 1st year students) | 76 |
| | iii) PG mess (dining hall for 3rd year B. Sc. (Hons )Agriculture AB batches, 4th year B. Sc. (Hons )Agriculture, M. Sc. (Ag.) & Ph. D students) | 135 |
| | iii) Central steam cooking room (One number) | 5 |
| 3. | 4 TV rooms (Each hostel is provided with one TV room) (PG hostel TV room capacity 50 students + Vivekananda 25 students + Siddartha 25 students + Vemana 50 students) | 150 |
| 4. | 4 Recreation rooms (one in each hostel) | 100 |

| | | |
|---|---|---|
| 5. | 4 Study rooms (one in each hostel) | 50 |
| 6. | RO water plant (1000 litres capacity per day) | 1 |
| 7. | Ambulance for boys and Girls hostels (Mini van type) | 1 |

**A Brief Report on Hostel Maintenance & Management, with miscellaneous student amenities like indoor games, recreation facility, emergency medical facility etc.**

- All Indoor games and recreation facilities are arranged in the Common Multi-purpose Indoor games & sports Stadium of the college. In addition, a well sophisticated multi-level gym bench is also catering to the physical fitness needs of the boarders available at the pavilion building which is under the control of the Dept. of Physical Education.
- With regards to the recreation and entertainment of the students boarders' each hostel is provided with a 'Common TV hall' with a minimum capacity of 25-30 members at a time and is kept open during evening hours with separate local 'ACT cable TV network'.
- In case of any medical emergency campus is made available with a First-Aid 'Health care centre' with dedicated and trained health staff & with a part time resident physician within the college campus, that too within walking distance from the hostels. In addition, a mini van type ambulance vehicle is made available round the clock exclusively for the boarders.
- For regular upkeep and maintenance of hostel premises specially for sanitation with proper disinfection chemicals and procedures dedicated sanitary work force is being engaged with four men and four additional cleaning staff for the mess & cooking areas on daily basis.
- An entirely students' run co-operative mess is being supervised by the Warden, along with two additional wardens for better maintenance of hostel rules & regulations and management of the records, stocks and stores by a regular Care taker.
- Every year, physical verification of stocks stores along with permanent properties and assets of the Boys' hostel is being done by the Associate Dean's nominated external authority.

- All the Cash accounts, ledgers and daily cash transactions of the Students' deposited fund raised every year are being audited by the College authority
- Student level Mess Committees are being constituted purely based on the voluntary service being rendered by the student representatives (one from each batch) will fix the monthly menu and monthly review meetings will be held every first week of the month with full strength of the student members for betterment of the mode of operation of the Hostel administration under the strict supervision of Hostel Wardens and the Chief Warden ( Associate Dean of the College).
- A well maintained renovated central steam cooking hall serving to three regular messes of different batches of UG & PG boy students is catering to the cooking needs of the boarders three times a day with good hygienic food preparation.
- A Reverse Osmosis (RO) water plant with 1000 liter capacity per day is working 24/7 serving the drinking water needs of the campus not only to all boarders but also to the entire college's departments which is also being regularly cleaned and well maintained with desalting or descaling operation at recommended regular intervals of time.

## 6.5.5.2 EXAMINATION HALLS

The college established *Examination Cell* specially for regular paperwork, preparing examination schedules and invigilation duties in consulation with Officers Academic Matters – Ug and PG, arranging examination halls, conduct of examinations etc.

The Examination Cell is responsible for conduct of Mid-Term Examinations and Final Examinations of all UG, PG, and Ph.D courses, while the practicals final examinations will be conducted by respective departments.

The Examination Cell has 4 examination halls with a capacity of 70 students in each hall. The halls are furnished with confortable student chairs with writing plank, sufficienct lighting, fans and ventilation.

The college has stringent invigilation system inplace.

## 6.5.5.3 SPORTS AND RECREATION FACILITIES

**Staff Position of Department of Physical Education**

| | |
|---|---|
| Assistant Professor | : 1 (Permanent staff) |
| Physical Assistants | : 2 (outsourcing) (one for girls and one for Boys) |
| Record assistant | : 1 (Permanent office staff) |
| Ground Boy | : 1 (outsourcing) |
| Field workers | : 5 (outsourcing – ad hoc basis) |

Sports and Games are essential for both physical and mental fitness of students. As per curriculum, Dept. of Physical Education offer a course to the First B.Sc. (Agriculture) with title *Physical Education* (*COCA – 100)* with credits 0+1, which is purely a practical based course with the main objective of improving the physical skills and fitness of the students with standard rules and regulations. Finally, by the end of such practical exercises, students will be able to develop sound body and sound mind, build good character and promote teamwork. Every day, students utilize the facilities in both the sessions viz., morning (6.00A.M to 8.00 A.M) and evening (4.00 P.M to 7.00 P.M) and were trained under supervision of qualified Physical director.

The College is having enough infrastructural facilities for both outdoor and indoor sports and games. The outdoor facilities include pavilion, well maintained fields / grounds exclusively for cricket, football and hockey. Enough ball game courts viz., four Ball-badminton courts, three Volleyball courts and one Basketball, are also available. The track facility is available.

The Gym room is well equipped can accommodate 20 students. The common Gym room is in addition to the Gym rooms available at Hostels.

The state-of-the-art Indoor stadium is available for students, which has dressing rooms, shuttle badminton courts, table tennis room, chess room, caroms room and small meeting hall. The special sports facilities are also available for exclusively girl students at their hostels.

The following are the facilities available at the college.

| S.No | Type of Facility | Purpose |
|---|---|---|
| **Outdoor facilities:** | | |
| 1 | Cricket field (2) | Regular fitness, practice, training, internal, inter-collegiate, stale level and Inter-University National level competitions and sports meets. |
| 2 | Football field (2) | |
| 3 | Ball-badminton court (4) | |
| 4 | Volleyball court (3) | |
| 5 | Basketball court (1) | |
| **Indoor facilities:** | | |
| 1 | Gym room (1 + 3) | For regular & effective fitness workouts |
| 2 | Chess room (4 ) | Regular fitness, practice, training, internal, inter-collegiate, stale level and Inter-University National level competitions and sports meets. |
| 3 | Carroms room (2 + 2) | |
| 4 | Table Tennis room (2) | |
| 5 | Badminton court (2) | |

## 6.5.5.4 AUDITORIUM

| S.No | Information | Details |
|---|---|---|
| 1 | Name of the Auditorium | Dr. B V Nath Auditorium |
| 2 | Year of Construction | 1989<br>Inaugurated by Dr. M S Swaminathan on 28-01-1989 |
| 3 | Seating Capacity | 860 |
| 4 | Facilities | • Big dais (70 x 45 feet)<br>• Echo proof ceiling and packed walls<br>• Electronic Podium<br>• Wall Mounted Speakers (1)<br>• Amplifiers (2)<br>• LCD Projectors (2) with Screens<br>• Cordless and collar Mikes<br>• 2.4 KVA Generator back-up for Un-interrupted power supply<br>• Air conditioned Green Rooms (3)<br>• Wash rooms for girls and boys, separately<br>• Automated dais lighting system |
| 5 | Frequency of Use | Once in a week |
| 6 | Type of College Functions | • University Convocations |

| | | |
|---|---|---|
| | conducted | • College Days<br>• Hostel Days<br>• Inaugural functions for various Seminars / Symposia<br>• Orientation meetings<br>• Anti-Ragging Meetings<br>• Alumni Re-Unions<br>• Farmers meetings<br>• Department of Agriculture meetings<br>• Interaction meetings with University officers<br>• Special Invited / Guest Lectures<br>• Any other meetings with all staff and students conducted by Associate Dean / University officer |

## 6.5.5.5 EXHIBITION HALL / MUSEUM

The college has no specific exhibition hall / museum, but each department has developed mini exhibition hall for display of technologies and specimens for students and visitors. The Department of Entomology has excellent collection of Insect specimans which are displayed in the museum of the department, and visitors can go around the facility. Similarly, other departmens also developed mini display facilities for the purpose.

## HEALTH CLINIC

The Health Clinic is managed by Two Medical Officers (one male and one female). The College Health Clinic is equipped with essential equipments like oxygen cylinders, ENT set, Angle poise lamp etc. It has an Ambulance to refer emergency cases to nearby multi speciality hospitals for further treatment in time. A Health card is formulated by the RMO to monitor the student's health from the time of admission till their completion of programme. The Medical data of the students is documented separately for all the four years.

**Staff position**

| S.No | Post | Name of the incumbent | Remarks |
|---|---|---|---|
| 1. | Resident Medical Officer (RMO) | Vacant | |
| 2. | LMO (Lady Medical Officer) | Dr. T. Jyothi | Outsourcing |
| 3. | Pharmacist | K. Venkateswara Rao | |
| 4. | Dresser | M. Mani | |
| 5. | Ward Boy | vacant | |
| 6. | Record Assistant | Vacant | |
| 7. | Kamati | T. Nageswara Rao | Permanent |

**Services**

- Average daily attendance : 13members
- Average Number treated per year : 3,576
- Blood grouping for first year students.
- Provide medical assistance during events like intra murals, other events organized by the college.
- Provide medical kits to the boys and girls hostels regularly and during the tours.

# 6.5.6
# RESEARCH FACILITIES

## 6.5.6.1 POST GRADUATE RESEARCH LABORATORIES AND EQUIPMENTS

**CENTRAL INSTRUMENTATION UNIT**

Central Instrumentation cell was initiated at the Agricultural College, Bapatla during 2018. Central Instrumentation Cell is conveniently being divided into five different laboratories comprising of Crop production, Microscopy, Molecular Biology and Biotechnology, Plant Protection and Remote Sensing & GIS laboratory. A total of 57 equipments were installed and distributed in these laboratories for the benefit of M Sc and Ph D students.

| S. No. | Laboratory | Room Dimensions |
|---|---|---|
| 1 | Central Instrumentation Cell | |
| | In - charge room | 8.7 x 6.0 m |
| 2 | Crop Production Laboratory | |
| | Crop Production Laboratory | 14.5 x 8.5 m |
| | AAS laboratory | 4.7 x 2.8 m |
| | CHNS laboratory | 4.7 x 2.8 m |
| | Inductive coupled plasma emission spectrophotometer | 4.7 x 2.8 m |
| 3 | Microscopy Laboratory | |
| | Sample preparation laboratory | 4.7 x 4.2 m |
| | Light microscopy laboratory | 4.7 x 4.2 m |
| | SEM laboratory | 4.6 x 4.1 m |
| | TEM laboratory | 4.6 x 4 m |
| 4 | Molecular Biology and Biotechnology Laboratory | 16.4 x 8.9 m |
| | Plant Growth Chamber Laboratory | 8.7 x 4.7 m |
| | Tissue Culture Laboratory | 4.1 x 2.2 m |
| 5 | Plant Protection Laboratory | 16.5 x 9.7 m |
| 6 | Remote Sensing & GIS Laboratory | 8.7 x 6.0 m |
| 7 | Common Facility | |
| | Wash area/Media preparation | 4.1 x 2.2 m |
| | Heat Generation room | 4.1 x 2.2 m |
| | Inoculation room | 4.1 x 2.2 m |
| 8 | Conference Hall | 12.5 x 8.9 m |

| | | |
|---|---|---|
| 9 | Rest Rooms | |
| | He | 4.5 X 4.5 m |
| | She | 4.5 X 4.5 m |
| 10 | Generator Room | |
| 11 | RO water Room | |

| Name of the Lab | Name of the Equipment (List all equipments) | No. | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| Crop Production Laboratory 1756 sq.ft | Portable Photo Synthetic Meter | 1 | To measure the photosynthesis rate and stomatal conductance |
| | Quantum Sensor With Data Logger | 1 | To mreasure luminance and irradiance |
| | Plant Canopy Analyzer | 1 | For measuring Photosynthetically active radiation (PAR) |
| | Leaf area meter | 1 | Fast and accurate measurement of leaf area |
| | Plant Stress Meter/ Chlorophyll fluorometer | 1 | Measurement of nutrient stress in plants and chlorophyll fluorosence emissions from the sample |
| | Flame Photometer | 1 | For estimating K, and Na content of the sample |
| | Kjeltron Automatic N Estimation system | 1 | For estimating N content of the sample |
| | NIR Grain Analyzer | 1 | Moisture, protein and oil content in grains |
| | Line Quantum Sensor | 1 | For estimating Photosynthetically active radiation (PAR) |
| | Digital pH meters | 8 | For estimation of $P^H$ |
| | Digital balances | 5 | For weighing samples |
| | Water Potential Meter/ Dew point potential meter | 1 | For measuring water potential |
| | Pyranometer | 1 | To find out solar irradiance ($W/m^2$) |
| | Hot plates | 4 | For digestion of the samples |
| | Double Distillation Apparatus | 2 | For producing distil water for AAS |
| | Digital conductivity meters | 4 | For estimating EC |
| | Fume hood | 2 | For digestion of the samples |

| | | | |
|---|---|---|---|
| | Atomic Absorption Spectrophotometer | 1 | To determine the micronutrient composition of plant / soil samples. |
| | Inductive coupled plasma emission spectrophotometer | 1 | Used for detection of chemical elements |
| Microscopy 309 sq.ft | Trinocular Stereo Microscope with Camera | 2 | To take observations of small insects, micrometry along with measurements For microphotography |
| Molecular Biology and Biotechnology 1571 sq.ft | Tissue lyser | 1 | Grinding of leaf sample |
| | Thermal cycler PCR | 4 | Carrying out polymerase chain reaction |
| | Digital droplet PCR | 1 | PCR and DNA quantification |
| | DNA cross linker | 1 | Crosslinking of DNA to the membranes/preparation of probes |
| | Hot air oven | 3 | Dry heat sterilization |
| | Electroporator | 1 | DNA transformation |
| | Thermomixer | 1 | Mixing of samples in closed tubes under controlled temperature |
| | 2D electrophoresis | 1 | Proteomics studies |
| | Magnetic stirrer | 2 | Stirring of chemicals |
| | Top loading balance | 5 | Weighing of samples |
| | Laboratory trollies | 6 | Carrying /handling of large number of samples in the laboratory |
| | -80$^0$C freezer | 2 | Preservation of test samples/chemicals |
| | Refrigerated incubator cum shaker | 2 | Incubation of the sample below ambient temperature with shaking facility |
| | UV Torch | 1 | Observation of invisible samples and elimination of germs on the surface |
| | Micropippetts | 7 | Handling of liquids /samples for conducting experiments |
| | Elisa reader with microplate washer | 2 | Measument and interpretation of ELISA test |
| | UV VIS spectrophotometer | 1 | Quantitative determination of different analytes in the test samples |
| | Gel rocker | 1 | Two dimensional shaking platform for gels |
| | -20$^0$c freezer | 2 | Preservation of samples and chemicals |
| | Nano analyser | 1 | Quantification of DNA and RNA |
| | Vortex shaker | 2 | Mixing of liquid sample vials |

| | | | |
|---|---|---|---|
| | Minispin | 4 | Short spinning the sample/spinning of the sample for short duration |
| | Refirgerated microcentrifuge | 1 | Centrifugation of the sample at lower temperature |
| | Pipetteman 10 ml | 6 | Handling of liquids |
| | Waterbath | 2 | Heating of sample/incubation of sample in water at constant temperature for longer period of time |
| Tissue culture lab 900 sq.ft | Tissue culture racks | 8 | Culturing of plants under invitro conditions |
| | Autoclave vertical | 3 | Wet heat sterilization/Sterilization of chemicals and plastic ware prior the conduct of experiments |
| | 10KVA UPS | 10 | Generating powerbackup to the entire lab |
| Plant Protection Laboratory 1722 sq.ft | Burkard Potter Spray Tower | 1 | To do pesticide dose analysis |
| | *In situ* Sterilizable glass vessel fermentor 3L | 1 | Fermentation of culture formulation |
| | BOD Incubator | 10 | Culturing of microbes |
| | Rotary vacuum Evaporator | 1 | Separation of metabolites etc |
| | Digital Micropettes kit | 1 set | Precise transfer of solutions |
| | Magnetic Stirrer with Hot Plate | 5 | Dissolving the solutes |
| | Laboratory Hot Air Oven | 4 | Hot air sterilization |
| | Autoclave Vertical | 3 | Steam sterilization |
| Remote Sensing & GIS Lab 562 sq.ft | ERDAS software | 1 | For image analysis of data obtained from NRSC |

**List of equipment in various laboratories for POST GRADUATE PROGRAMMES (M.Sc. & Ph.D) : DEPARTMENT WISE**

**AGRONOMY**

| Lab Name | Name of the Equipment (List all equipments) | No.s |
|---|---|---|
| Masters' lab 939.68 sqft Doctors' Lab 668.36 sqft Seminar Hall 811.2sqft | EC meter | 2 |
| | Flame Photometer | 1 |
| | Spectrophotometer | 1 |
| | Kelplus Automatic Nitrogen dual Distillation system | 1 |
| | Water still double coil 8L (Syntex) | 2 |
| | Infrared moisture balance | 1 |
| | Laboratory glassware drawer | 1 |
| | Rotary shaker | 4 |
| | Muffle furnace | 1 |
| | Kjeldhal micro distillation | 2 |
| | All glass double distillation unit | 2 |
| | 500 litres crest cooler (voltas) | 2 |
| | E class with white board short throw projector | 1 |

**AGRICULTURAL ECONOMICS**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| LAB-01 | Computers | 2 |
| | Camera | 1 |

**AGRICULTURAL EXTENSION**

| Lab Name | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| Agril Extension PG lab (PG) | Automatic Slide Projector (Kindermann) | 1 |
| | HP Pavilion 500-2101X DVD Drive | 1 |
| | Numeric UPS 1 KV | 1 |
| | Studio master cardless collor mike | 1 |
| | HP Laptop 15-R062TUI3/4GB/500GB DVD RW 15.6 | 1 |
| | Epson Projector 803 | 1 |
| | Cannon Scanner | 1 |
| | Hanging screen with accessories for LCD Projector | 1 |
| Agril Extension PG | Automatic Slide Projector (Kindermann) | 1 |
| | HP Pavilion 500-2101X DVD Drive | 1 |

| | | |
|---|---|---|
| lab (Ph.D) | Numeric UPS 1 KV | 1 |
| | Studio master cardless collor mike | 1 |
| | HP Laptop 15-R062TUI3/4GB/500GB DVD RW 15.6 | 1 |
| | Epson Projector 803 | 1 |
| | Cannon Scanner | 1 |
| | Hanging screen with accessories for LCD Projector | 1 |

**ENTOMOLOGY**

| Name of the Laboratory | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| POST GRADUATE LABORATORIES | Binocular Microscope | 20 | |
| | Olympus stereoscopic binocular microscope | 09 | To view small insects and different parts for taxonomy studies |
| | Insecticides for showing students/Representative for each group | As per requirement | All groups of insecticides |
| | Stereomicroscope | 01 | |
| | Trinocular stereo Research Microscopes & Accessories | 03 | To view small insects and different parts for taxonomy studies |
| | Labomed Stereo Microscope | 02 | |
| | Phase contrast attachments: cx/ph1/ph2 for cx21-tr | 01 | To take good photographs for research purpose |
| | Digital camera olympus - model sp-350/sp-320, 8mp | 01 | |
| | Magnoscope | 01 | To count stored grain insects in the infested material |
| | Electronic balance | | |
| | Electronic digital balance BL 220 with wind shield | 01 | To weigh very small quantities with accuracy |
| | Shimadzu Electronic moisture balance Model MOC 1204 Cap 120g | 01 | |
| | Shimadzu Electronic | 01 | |

| | | | |
|---|---|---|---|
| | balance Mode AU X220 Cap 220 mg | | |
| | Soxhlet extraction apparatus | | |
| | Soxhlet extraction mantle – 500ml | 01 | For extraction of botanicals |
| | Oven | 2 | |
| | Godrej micro wave oven(17L) | 01 | To sterilize media |
| | Hot air oven Kemi make | 01 | To sterilize glass material |
| | Potters tower | 01 | |
| | Potter spray tower | 01 | To conduct bioassays |
| | Sprayers | | |
| | Aspee ganesh air compression steel Sprayers (hand operated: 1lt capacity) | 02 | For spraying |
| | Fumigation chamber | 01 | |
| | Fumigation chamber | 01 | For dis infestation of rearing media |
| | Burrow fumigator | 01 | Display and demo purpose |
| | Slides/cover slips | As per requirement | Display and for preparation of permanent slides |
| | pH meter | 01 | |
| | pH meter digital | 01 | To measure pH |
| | Others | | |
| | Incubators | | |
| | Incubators KSE-15 | 01 | To rear insects at required environmental conditions |
| | BOD incubator | 01 | |
| | Labtop Micro controller(PID) based environmental plant growth chamber | 01 | |
| | Heating mantles | | |
| | Hot plate tempo type ti 85-tc 20.5 cm 1KW | 02 | Heating of working samples |
| | Heating mantle – big – 2000ml | 02 | |
| | Heating mantle – small – | 02 | |

| | | | |
|---|---|---|---|
| | 500ml | | |
| | Chromatography | | |
| | Chromatography cabinet | 01 | Analytical equipment for amino acids, nutritional components |
| | Chromatography columns 18 mm x 300nm | 12 | |
| | Thermometers | | |
| | Thermometers 0-110$^0$C | 10 | To measure temperature and humidity while experimentation |
| | Soil thermometers | 02 | |
| | Maximum & minimum thermometer | 01 | |
| | Water bath | | |
| | Water bath "kemi" 7 lts | 01 | To clear insect tissues to prepare permanent slides |
| | Electrophoresis | | |
| | One Horizontal and one vertical electrophoreses units along with accessories | 01 | To conduct biotechnology studies |
| | LA 842 Electrophoresis Power supply & LA 844- Hi Eco Mini Horizontal Gel Box | 01 | |
| | Spectrophotometer | | |
| | UV-VIS. Digital spectrophotometer | 01 | To conduct biochemical analysis and residue analysis |
| | Centrifuges | | |
| | Refrigerated centrifuge (20000rpm) | 01 | To conduct insect pathology and physiology studies |
| | Remi – 24 Research Centrifuge | 01 | |
| | Refrigerators | | |
| | LG Refrigerator double door | 01 | To preserve samples |
| | Laminar air flow | | |
| | Kemi laminar air flow (klfv-4ss) | 01 | To conduct insect pathology studies |
| | Corkborer set | 01 | |
| | Water distillation unit | | |
| | All Glass Double | 01 | To collect double distilled |

| | | | |
|---|---|---|---|
| | Distillation unit, Borosil make | | water |
| | Glass bead sterilizer | | |
| | Kemi glass bead sterilizer 2"x5 ½" | 01 | For laminar air flow |
| | Kemi glass bead sterilizer 2"x6 ½" | 01 | |
| | Fume hood | | |
| | Kemi fume hood (kfh 3) | 01 | To work with strong acids |
| | Fire extinguishers | | |
| | 4.5 kg Capacity $Co_2$ BC type fire extinguisher | 01 | Safety measure |
| | 5 kg Capacity $Co_2$ ABC type fire extinguisher | 01 | |
| | Vacuum based equipment | | |
| | Med Vac pump | 01 | For PG class work and experiments |
| | Rotary vacuum pump | 01 | |
| | Rotary vacuum evaporator | 01 | For concentrating the extracts |
| | Vacuum cleaner | 01 | Cleaning of lab |
| | Vacuum desicators | 02 | Rearing insects |
| | Vacuum manifold with single arm | 01 | To create required vacuum |
| | Humidity& pressure measuring equipment | | |
| | Humidity meter | 01 | To measure RH in Lab |
| | Digital Pressure Gauge Single Head | 01 | |
| | Dissection/rearing items | | Dissections in practicals |
| | Dissecting cases | 03 | |
| | Dissection trays with wax 10x 8" | 50 | |
| | Rearing cages 36''x30''x21'' (field cages) | 06 | For insect rearing |
| | Rearing cages 30''x21''x21'' | 06 | |
| | Blenders/mixers | | |
| | Sumeet mixi | 01 | Required for PG research |

| | | | |
|---|---|---|---|
| | Blender | 01 | |
| | Vortex stirrer/mixer | 01 | |
| | Shaking machine | 01 | |
| | Blowers | | |
| | Hot air blower | 01 | For drying TLC plates |
| | Aluminum blower | 01 | |
| | Syringes/pipette | | |
| | Hamilton micro litre syringes | 06 | Measurement of samples |
| | Repeading dispenser – Hamilton | 01 | |
| | Eppendorf research adjustable volume pipette | 01 | |
| | Standard sieve set | 01 | Nematology and storage Entomology experiments |
| | Camera Lucida | 09 | Insect drawings |
| | Inoculation chamber | 01 | |
| | Abels flash point apparatus with energy regulator | 01 | Toxicology experiment |

**GENETICS & PLANT BREEDING**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab wise) |
|---|---|---|---|
| Genetics Lab 53 x 39 ft | Monocular microscopes | 57 | For conducting Cytogenetics practicals – Used for cell division practicals - Mitotic and Meiotic phases |
| | Microtome | 1 | For preparation of Mitotic and Meiotic slides |
| Plant breeding & seed technology lab 53 X 39 ft | Dissection microscopes | 20 | For conducting plant breeding practicals - Used the microscopes for dissecting small flowers ( flowers of Graminaea members) |
| Biotechnology Lab | Hot air oven | 2 | For drying of plant samples |
| | Bacteriological | 1 | For incubation of bacteria |

| | | | |
|---|---|---|---|
| 39 x 26 ft | Incubator | | samples |
| | Centrifuge & spectrofuge | 3 | Short spinning of DNA samples |
| | Double distillation unit | 1 | For procuring distilled water to conduct the practicals (DNA isolation etc.) |
| | Gel Electrophoresis Unit | 1 | For separation of DNA samples |
| | Pipettes | 4 | Used while conducting the practicals |
| | L. G. Microwave oven | 1 | It is used for melting of agaraose for preparation of gel and preparation of solutions |
| | Thermostatic controlled water bath | 1 | For DNA isolation and incubating the samples in the hot water bath while isolating the DNA |
| | Electrophoresis with power supply | 2 | For separating the DNA samples |
| | Gel Doc system | 1 | For visualization and documentation of gels |
| | Autoclave | 1 | For sterilization of chemicals |
| | Digital $P^H$ meter | 1 | For checking the $P^H$ of solutions while preparation |
| | Deep freezer vertical spectrum | 1 | For preserving DNA samples and chemicals |
| | Laminar Air flow bench horizontal | 1 | For inoculation of tissue culture samples |
| | Tissue culture racks | 2 | For growing of tissue culture generated plants |
| | Hot plate | 1 | For preparation of solutions |

**SOIL SCIENCE & AGRICULTURAL CHEMISTRY**

| Name of Lab | Name of the Equipment | Numbers | Speciality |
|---|---|---|---|
| PG Laboratory 1500 sq.ft | 1.Refrigerator | 1 | To preserve prepared chemicals & soil samples |
| | 2.pH meter | 1 | To estimate pH |
| | 3.EC meter | | To estimate EC |

| | | | |
|---|---|---|---|
| | 4. Hot air Oven | 1 | Drying of soil & plant samples |
| | 5.Spectrophotometer | 1 | To estimate P, S |
| | 6.Atomic absorption Spectrophotometer | 1 | To estimate micronutrients |
| | 7.Centrifuge | 1 | To estimate CEC in soil |
| | 8.Hotplate | 1 | Plant samples digestion for other N (For P, K & micronutrients) |
| | 9.Water bath | 1 | Heating of samples |
| | 10.Muffle furnace | 1 | To determine ash content |
| | 11. Kelplus N analyser (Distillation set) | 1 | To estimate N content |
| Soil Biology Laboratory 450 Sq.ft | 1.BOD Incubator | 1 | To maintain required temp |
| | 2.Colony counter | 1 | To determine microbial count |
| | 3. Autoclave | 1 | To sterilize mediums |
| | 4.N digestion unit | 1 | To digest plant samples |
| | 5.Inoculation chamber | 1 | Isolation and inoculate |

**PLANT PATHOLOGY**

| Name of Lab | Name of the Equipment | Numbers |
|---|---|---|
| PG Lab 1672 sq.ft<br><br>Molecular Pathology 306 sq. Ft. | Microscopes | 10 |
| | Stereo binocular | 1 |
| | Autoclave | 1 |
| | Oven | 1 |
| | Deep freeze | 1 |
| | Refrigerator | 1 |
| | Incubator | 1 |
| | Occular meters | 5 |
| | Stage micrometers | 5 |
| | Camera lucida | 5 |
| | Laminar air flow | 2 |
| | Colony counter | 1 |
| | Distillation set | 1 |
| | pH meter | 1 |
| | PCR machine | 1 |
| | Gel electrophoresis apparatus | 2 |

| | | |
|---|---|---|
| | Minispin | 1 |
| | Centrifuge (refrigerarted) | 1 |
| | Spectrophotometer | 1 |
| | Image analyser microscope | 2 |
| | UV trans illuminator | 2 |
| | Magnetic stirrer | 2 |
| | Microwave oven | 1 |
| | Haemocytometer | 10 |

**CROP PHYSIOLOGY**

| Name of Lab | Name of the Equipment | Numbers |
|---|---|---|
| PG Lab1<br>(M.Sc.)<br>300 sq.ft | Digital visible spectrophotometer | 2 |
| | Leaf area meter LP-80 | 1 |
| | Precision balance(wensar) | 2 |
| | Refrigerated centrifuge remi C24+ with accessories | 2 |
| | SPAD KONICA MINOLTA chlorophyll meter (SPAD-502) | 1 |
| | Horizontal cylindrical high speed autoclave | 1 |
| | Elecric balance | 1 |
| | TPS-2 portable Pn system | 1 |
| | Water bath-(S.STEEL) | 1 |
| | Preethi mixi | 1 |
| | Ganesh sprayer | 1 |
| | Digital moisture meter | 1 |
| | Electronic precision balance | 1 |
| | Digital infrared thermometer | 1 |
| | Digital EC meter | 1 |
| | Digital pH meter | 1 |
| | Electric spray gun E-88 | 1 |
| | Electrophoresis equipment -1 | 1 |
| | Single pan analytical balance keyroy | 1 |
| | Triple beam balnce | 1 |
| | Hot air oven | 1 |
| | Delta T leaf area meter | 1 |
| | Scientific automatic electrically heated all glass double distillation apparatus | 1 |
| | Magnetic stirrer with hot plate | 1 |
| | Hot plate round tempo | 1 |
| | Dona single pan balance | 1 |
| | Measuring tape | 1 |

| | | |
|---|---|---|
| | Refrigerator | 1 |
| | Magnus stereomicroscope | 1 |
| | Electric spray gun E-88 | 1 |
| PG Lab 2 (Ph.D.) 240 sq.ft | Leaf area meter SYSTRONICS | 1 |
| | UV-VIS spectrophotometer SYSTRONICS TYPE-119 | 1 |
| | Electronic Precision balance (SARTORIUS, BSA42CW) | 2 |
| | Refrigerated centrifuge remi C24+ with accessories | 2 |
| | BOD incubator 280 Lit (in LAB with stabilizer) | 1 |
| | Liquid N2 container | 1 |
| | Power sprayer (rally) | 1 |
| | Soil pH and moisture tester | 1 |
| | Electronic digital pocket balance | 1 |
| | Pocket type pH meter | 1 |
| | Electrophoresis equipment -2 | 1 |
| | Haemocytometer | 1 |
| | General purpose laboratory centrifuge | 1 |
| | Ultraviolet lamp | 1 |
| | Digital conductivity meter | 1 |
| | Microphotographic equipment (Nikon camera FM-10 with flash, closeup lens kit and stand microscope adapter | 1 |
| | Rectangular hotplate | 1 |
| | Electric Bunsen with energy regulator | 1 |
| | Magnus microscope | 2 |
| | Magnetic stirrer with hot plate | 1 |

**STATISTICS AND COMPUTER APPLICATIONS**

| Name of the Lab | Space (sq.ft) | Name of the Equipment | Numbers | Purpose |
|---|---|---|---|---|
| PG/ Ph.D Data Analysis Room | 150 sft | PCs<br>2 KVA UPS<br>LCD Projector | 4<br>1<br>1 | For Data Analysis and practical exams based on Skill test |

## 6.5.6.1 RESEARCH CONTINGENCY

| S.No. | Name of the Department | Research Contingencies provided (in Rupees) | | | | |
|---|---|---|---|---|---|---|
| | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| 1 | Agronomy | 196000 | 196000 | 196000 | 191000 | 191000 |
| 2 | Genetics and Plant Breeding | 197000 | 197000 | 197000 | 192000 | 192000 |
| 3 | Soil science and Agril.Chemistry | 125000 | 125000 | 130000 | 130000 | 130000 |
| 4 | Entomology | 178000 | 178000 | 178000 | 173000 | 173000 |
| 5 | Agricultural Economics | 49000 | 49000 | 44000 | 75000 | 75000 |
| 6 | Crop Physiology | 124000 | 129000 | 134000 | 129000 | 129000 |
| 7 | Plant Pathology | 130000 | 135000 | 140000 | 140000 | 140000 |
| 8 | Horticulture | 37000 | 37000 | 52000 | 37000 | 37000 |
| 9 | Agricultural Extension | 49000 | 54000 | 54000 | 64000 | 64000 |
| 10 | Bio Chemistry | 35000 | 35000 | 55000 | 50000 | 50000 |
| 11 | Statistics and Computer Applications | 42000 | 47000 | 37000 | 52000 | 52000 |
| 12 | Physical Edcuation | 30000 | 30000 | 20000 | 20000 | 20000 |
| 13 | ARIS Centre | | | 15000 | 15000 | 15000 |
| 14 | Class Rooms & Examination Halls | | | 20000 | 35000 | 35000 |
| | **Total (in RUPEES)** | **1192000** | **1212000** | **1272000** | **1303000** | **1303000** |

# 6.5.7
# OUTCOME / OUTPUT

## 6.5.7.1 STUDENT PERFORMANCE IN NATIONAL EXAMINATIONS

| S.No. | Type of Examination | Number of students got selected with fellowship | | | | |
|---|---|---|---|---|---|---|
| | | 2015 | 2016 | 2017 | 2018 | 2019 |
| 1 | JRF | 15 | 1 | 3 | 43 | 32 |
| 2 | SRF | 19 | 2 | 2 | 14 | 1 |
| 3 | NET | 25 | -- | -- | -- | -- |
| 4 | ARS | -- | -- | -- | -- | -- |
| 5 | GATE | -- | -- | -- | -- | -- |
| 6 | UGC | -- | -- | -- | -- | -- |
| 7 | ASRB | -- | -- | -- | -- | 1 |
| 8 | Inspire | 3 | 1 | 2 | -- | -- |
| 9 | RGNF | 2 | 1 | -- | -- | -- |
| 10. | NFST | -- | -- | -- | 2 | -- |

## 6.5.7.2 STUDENT PLACEMENT PROFILE

The College has established Placement Cell, a Professor as In-Charge Officer. The Placement has developed very strong backward and forward linkages with all stake holders. The Placement Cell will send an Introductory Letter to all Stake holders describing about the Strenghts and Skills of the students of the College and invite them to interact and discuss with the students as Preliminary step towards employment of the students of the College. The stake holders will make an official proceeding and communicate with Placement Cell explaining about their specific requirements of the students and the job chart of the position. Accordingly, students are informed, and the interested students are trained for the purpose. The Placement Cell conducts regular soft skills training programmes along with language trainings. The Placement Cell has all the infrastructural facilties for comforting the visting stake holders, interview table and chairs, air-conditioned room etc., and the Placement Cell has very strong communication system with the students, and is the main reason that the students of the college are very successful in getting the employment. The employability of the students is 100%, and the Placement Cell also developed feedback system for recording the views, opinions and experience of the Employer with the students of the College, for review of complaints, if any.

The following is the data presented for the profile of the employment of the students from 2015 onwards, sector-wise.

| U.G / P.G. | Total | Public Sector | Private Sector | Banking Sector |
|---|---|---|---|---|
| **U.G. Students** | | | | |
| 2015 Batch | 199 | 71 | 19 | 0 |
| 2016 Batch | 227 | 11 | 0 | 0 |
| 2017 Batch | 224 | 24 | 0 | 0 |
| 2018 Batch | 235 | 21 | 0 | 0 |
| **P.G. Students** | | | | |
| 2017 Batch | 52 | 19 | 15 | 1 |
| Total (UG) + (PG) | 937 | 146 | 34 | 1 |
| Percentage (%) | ... | 15.58 | 3.63 | 0.11 |

The data on individual student-wise for the recent recruitments is presented.

| S.No. | I.D. No. | Student Name | Firm Name/ College |
|---|---|---|---|
| 1 | BAM 17-01 | Bixapathi Banoth (ICAR) | Coramandal Fertilizers. Nalgonda |
| 2 | BAM 17-03 | Mandakranta Chakraborty (ICAR) | Teaching Tripura. Agrtha |
| 3 | BAM 17-04 | Ravindranadh, G | Mansanto India Limited. BAYER. Vijaya Nagaram |
| 4 | BAM 17-05 | Saikrishna, M | T.A. Edcherla, Srikakulam Dist. |
| 5 | BAM 17-06 | Sai Kumari, G | CART. Kahmmam |
| 6 | BAM 17-09 | Suryakala, A | KVK Rachgundabai |
| 7 | BAM 17-10 | Swathi, B | VAA |
| 8 | BAM 17-12 | Balakanaka Venkata Mani, D | T.A., Badwel, Ananthapuram Dist. |
| 9 | BAM 17-13 | Kranthi Priya, P | SRF ., Darsi, Prakasam Dist. |
| 10 | BAM 17-14 | Mallikarjuna, S | Sri Venkateeswara Agril. Private Collge, Vijayawada |
| 11 | BAM 17-15 | Naga Durga Rao, N | Agril. Seed Company, Hydeabad |
| 12 | BAM 17-17 | Sai Mohan, B | T.A., C S Puram. Prakasam Dist. |
| 13 | BAM 17-19 | Suneel Kumar, G | VAA Vijaya Nagram |
| 14 | BAM 17-20 | Akshata (ICAR) | Teaching . Entomology. Markapura, |
| 15 | BAM 17-21 | Nani Babu, Ch. | VAA |
| 16 | BAM 17-23 | Venkatesh, M | VAA Rahamundry |
| 17 | BAM 17-24 | Blessy Susanna, K | VAA Yalamanchili |
| 18 | BAM 17-25 | Farhatkousar, Md. | Working at Private Polytechnic |
| 19 | BAM 17-27 | Gudarankaiah, U | Vikas Engg.College, Vijayawada |
| 20 | BAM 17-28 | Sarath Kumar, G | Bank of India, Jadalpur, Chantisghar State. |
| 21 | BAM 17-29 | Venkateswara Rao, G | T A ., C.S.Puram |
| 22 | BAM 17-30 | Divya Sree, Ch | VAA . Sukapuram |
| 23 | BAM 17-32 | Lavanya, B | VAA |
| 24 | BAM 17-33 | Naduvalakeri Maruti (ICAR) | SRF., C.I.C.R., Nagpur |
| 25 | BAM 17-34 | Pavani, S | VAA |
| 26 | BAM 17-35 | Sandeep Kumar, G | VAA Chintalapudi |
| 27 | BAM 17-36 | Sharmila, Y | VAA Srikakulam |
| 28 | BAM 17-37 | Sunitha, B. (ICAR) | NAARAM |
| 29 | BAM 17-39 | Gusiya, Sk | T.A., Markapuram, Prakasam Dist. |
| 30 | BAM 17-44 | Sumanth Kumar, M | IMMT., Bhubaneswar |

| | | | |
|---|---|---|---|
| 31 | BAM 17-46 | Usha Rani, L | VAA |
| 32 | BAM 17-49 | Nagesh, H | R A., RARS, Chintapally |
| 33 | BAM 17-51 | Uday Bhaskar, M | Teaching.YSR Horticultural University. Tadaypalligudem |
| 34 | BAM 17-52 | Ajith, S.<br>(ICAR) | PVT., Job |
| 35 | BAM 17-53 | Bindu Madhavi, N | VAA |
| 36 | BA 15-003 | Veeram Reddy Ahalya | Village Agricultural Assistant. Vijayawada |
| 37 | BA 15-007 | Mosia Akhila | Village Agricultural Assistant..Vijayawada |
| 38 | BA 15-009 | Mamillapalli Akhil | VAA.Visakhapatnam |
| 39 | BA 15-010 | Lingala AlekhyaRashmi | VAA. Godavari Dist. |
| 40 | BA 15-011 | Vankayalapati Alekhya | Beyor Company, Hyderabad |
| 41 | BA 15-013 | V Amool Singh | EFCO call center |
| 42 | BA 15-017 | Akurathi Anusha | VAA |
| 43 | BA 15-019 | Veerla Anusha | VAA Vijayawada |
| 44 | BA 15-022 | Ade Aruna | VAA Poonur |
| 45 | BA 15-023 | Garikapati Asha Jyothi | VAA |
| 46 | BA 15-025 | Mallela Bhanu | VAA |
| 47 | BA 15-027 | Avvaru Bhargavi | VAA Dosakailapadu |
| 48 | BA 15-028 | Vandrasi Bhargavi | Beyor Company, Hyderabad |
| 49 | BA 15-030 | Tatapudi Bhavana | VAA Nellore |
| 50 | BA 15-032 | Pittala Bhavani | VAA Guntur |
| 51 | BA 15-034 | Challa Pranaya Bhaskar | VAA |
| 52 | BA 15-037 | Kandregunta Devadasu | in- service AEO |
| 53 | BA 15-038 | Surada Dhana Raju | VAA Srikakulam |
| 54 | BA 15-044 | Boddeti Gayathri | Beyor Company, Hyderabad |
| 55 | BA 15-052 | Kadali Hima Bindu | VAA. |
| 56 | BA 15-053 | Munnuru Hima Bindu | VAA. Vijayanagram |
| 57 | BA 15-054 | Shaik Hussain Basha | JOB ,Marketing officer,dashrad prasad ferti. |
| 58 | BA 15-058 | E. Kanaka Maha Lakshmi | VAA Guntur |
| 59 | BA 15-059 | Chillimunta Kanksha | VAA Vijayawada |
| 60 | BA 15-064 | Shaik Khadar Basha | VAA |
| 61 | BA 15-065 | T. Keerthi Sri Lakshmi | Beyor Company, Hyderabad |
| 62 | BA 15-066 | Shaik Khasim Sharif | VAA Guntur |
| 63 | BA 15-067 | Vadela Koteswara Rao | VAA |
| 64 | BA 15-068 | Dharanikota Krishnaveni | inservice |
| 65 | BA 15-074 | Idamkanti Lalitha | VAA Prakasam |
| 66 | BA 15-075 | Atchala Latha Sri | VAA Prakasam |
| 67 | BA 15-077 | Killada Lavanya | VAA Vijayanagram |

| | | | |
|---|---|---|---|
| 68 | BA 15-079 | Shaik Lubna Mehanaz | VAA Prakasam |
| 69 | BA 15-080 | Ragala Madhu Priya | VAA Prakasam |
| 70 | BA 15-081 | V. Mahesh Babu | VAA Machilipatnam |
| 71 | BA 15-085 | Sajja Manohar | VAA chirala |
| 72 | BA 15-088 | Bitra Monika | VAA |
| 73 | BA 15-094 | Kasa NagaMadhuri | Beyor Company, Hyderabad |
| 74 | BA 15-096 | Yemineni Nagamani | VAA |
| 75 | BA 15-097 | Mudu NagarajuNayak | EVST., Lam Guntur |
| 76 | BA 15-101 | Mannava Naveen | Shefa Agricaretechnologies, Chennai |
| 77 | BA 15-104 | Nunna Niharika | VAA Guntur |
| 78 | BA 15-106 | Kandukuri PadmaSumanvitha | ITC, Guntur |
| 79 | BA 15-107 | Paidi Pavani | VAA Srikakulam |
| 80 | BA 15-110 | Kola Phanendra | VAA Vizag |
| 81 | BA 15-112 | Gunda Prasad | VAA |
| 82 | BA 15-113 | Katti PrasadaRao | VAA Guntur |
| 83 | BA 15-116 | Vangara Praveen Venkata Kumar | VAA |
| 84 | BA 15-119 | Bhumi Reddy RajasekharReddy | VAA |
| 85 | BA 15-122 | Mulagapalli Ramya Priya | VAA Machilipatnam |
| 86 | BA 15-124 | Kancherla Ratna Tejasree | VAA Guntur |
| 87 | BA 15-126 | Boddu Renuka | VAA Prakasam |
| 88 | BA 15-127 | Shaik Reshma | Beyar Company |
| 89 | BA 15-133 | Matta SaiDeepthi | VAA Srikakulam |
| 90 | BA 15-136 | Tata SaiMounika | VAA Guntur |
| 91 | BA 15-142 | Vooba Sandhya | VAA Godavary |
| 92 | BA 15-143 | Chintu Santoshini | Beyor Company, Hyderabad |
| 93 | BA 15-144 | Panda SantoshKumar | Dasaradha Fertilizers PVT.Ltd, Vijayawada |
| 94 | BA 15-148 | Devarapalli Shakeena | VAA |
| 95 | BA 15-157 | Korilala SravanaSudha | Beyor Company, Hyderabad |
| 96 | BA 15-162 | Vemuri SriKeerthi | VAA Prakasam |
| 97 | BA 15-166 | Ramanadapuram SriVyshnavi | VAA Guntur |
| 98 | BA 15-167 | Yaddala Srilakshmi | VAA Ongole |
| 99 | BA 15-168 | Budithi Srujana | VAA Prakasam |
| 100 | BA 15-170 | Talluri Subha | VAA East Godavary |
| 101 | BA 15-175 | Genji Sudhamani | VAA |
| 102 | BA 15-176 | Shaik Suguna Begum | In-service, AEO |
| 103 | BA 15-178 | Mood SunilNaik | VAA Chirala |
| 104 | BA 15-179 | Borugadda SusmtihaRaj | Beyor Company, Hyderabad |

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|---|---|---|---|
| 105 | BA 15-180 | B. Susmitha Raj | Beyor Company, Hyderabad |
| 106 | BA 15-181 | Nasana Swathi | VAA |
| 107 | BA 15-182 | Dasari Swetha | VAA Visakhapatnam |
| 108 | BA 15-184 | Nunna Tarun Raj | Dasaradha Fertilizers PVT.Ltd, Vijayawada |
| 109 | BA 15-185 | Uppalapati Tejaswi | Beyor Company, Hyderabad |
| 110 | BA 15-190 | Katuri Thirupatamma | VAA |
| 111 | BA 15-192 | Gajjala Thrivikram Reddy | VAA |
| 112 | BA 15-194 | Animireddy UmaMaheswari | VAA Vizag |
| 113 | BA 15-195 | Pingali UthkalaSri | Beyor Company, Hyderabad |
| 114 | BA 15-197 | Nakka VamsiPriya | VAA Vizag |
| 115 | BA 15-203 | K. Venkata Srinivasa Rao | VAA Guntur |
| 116 | BA 15-206 | Kancharla Venkatesh | In-service |
| 117 | BA 15-208 | K. Venkateswarlu | VAA Srikakulam |
| 118 | BA 15-209 | B. Vijaya Kumar | ITC, Guntur |
| 119 | BA 15-212 | Dhupati Yamini | VAA Guntur |
| 120 | BA 15-214 | B Yaswanth | VAA Prakasam |
| 121 | KA 15-004 | R. Anthony | Shefa Agricaretechnologies, Chennai |
| 122 | KA 15-021 | Dasari Venkata KavyaSri | VAA Prakasam |
| 123 | KA 15-028 | Athina Poorna Sai Ram | VAA Guntur |
| 124 | KA 15-046 | Midathala Srinu | VAA |
| 125 | MA 15-044 | Bommana Yaswanth | VAA |
| 126 | BA 16-001 | R.Ajay Kumar | VAA |
| 127 | BA 16-033 | D.Devendra Goud | VAA |
| 128 | BA 16-042 | D.Govindh Basha | VAA |
| 129 | BA 16-048 | V.Hema Priyanka | VAA |
| 130 | BA 16-079 | N.Lalitha | VAA |
| 131 | BA 16-107 | B.Narendra Kumar Nayak | VAA |
| 132 | BA 16-140 | B.Ramesh | VAA |
| 133 | BA 16-180 | M.Sowmya | VAA |
| 134 | BA 16-192 | B.Sudha Rani | VAA |
| 135 | NA 16-021 | M.Hima Bindu | VAA |
| 136 | NA 16-041 | K.Naga Veera Vara Prasad | VAA |
| 137 | BA 17-004 | K. Akhil | VAA |
| 138 | BA 17-007 | M.Anitha | VAA |
| 139 | BA 17-025 | G. Darahas | VAA |
| 140 | BA 17-042 | N.Durga Bhavani | VAA |
| 141 | BA 17-050 | S.Gopaiah | VAA |
| 142 | BA 17-069 | G.Jayalakshmi | VAA |
| 143 | BA 17-072 | U.Jhansi Rani | VAA |

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| 144 | BA 17-076 | G.Kalyani | VAA |
| 145 | BA 17-110 | P.Naga Raju | VAA |
| 146 | BA 17-114 | T.Nandini | VAA |
| 147 | BA 17-119 | D. Neha | VAA |
| 148 | BA 17-136 | M.Purna Chandra Vamsi | VAA |
| 149 | BA 17-144 | V.Ramana | VAA |
| 150 | BA 17-162 | K.Sai Lakshmi | VAA |
| 151 | BA 17-170 | M.Sandhya Rani | VAA |
| 152 | BA 17-172 | G.Sarojini | VAA |
| 153 | BA 17-173 | V.Sarojini | VAA |
| 154 | BA 17-181 | Ch.Sirisha | VAA |
| 155 | BA 17-206 | B.Surendra | VAA |
| 156 | BA 17-220 | B.Thanuja | VAA |
| 157 | BA 17-224 | Sk.Ummar | VAA |
| 158 | BA 17-225 | Ch.Vamsi | VAA |
| 159 | BA 17-233 | M.Venkata Rao | VAA |
| 160 | BA 17-246 | S.Yasodakrishna | VAA |
| 161 | BA 18-004 | B.Adilakshmi | VAA |
| 162 | BA 18-013 | N.Anupama | VAA |
| 163 | BA 18-017 | N.Ashok Kumar | VAA |
| 164 | BA 18-026 | K.Bhudevi | VAA |
| 165 | BA 18-028 | P.Chandana Sri Surya Anita | VAA |
| 166 | BA 18-029 | S.Chandrakala | VAA |
| 167 | BA 18-044 | L.Ganesh | VAA |
| 168 | BA 18-046 | G.Gayatri | VAA |
| 169 | BA 18-065 | Sk.Khadar Basha | VAA |
| 170 | BA 18-068 | T.Kotalakshmi | VAA |
| 171 | BA 18-086 | Shaik Mohammad Raffi | VAA |
| 172 | BA 18-109 | P.Philip Raju | VAA |
| 173 | BA 18-129 | A.Pushpa | VAA |
| 174 | BA 18-140 | K.Rakesh | VAA |
| 175 | BA 18-145 | M.Rani | VAA |
| 176 | BA 18-168 | B.Sai Kumar | VAA |
| 177 | BA 18-171 | G.Sandhya | VAA |
| 178 | BA 18-174 | M.Santhi Kumari | VAA |
| 179 | BA 18-206 | M.Srikanth | VAA |
| 180 | BA 18-207 | E.Srinivasa Rao | VAA |
| 181 | BA 18-232 | G.Vandana | VAA |

## 6.5.7.3 AWARDS / RECOGNITIONS / CERTIFICATES

**AWARDS / RECOGNITIONS / APPRECIATION CERTIFICATES OF FACULTY DURING LAST 5 YEARS (2015 ONWARDS)**

| S.No | Department | Year | Name of the staff | Type of recognition | Presented by |
|---|---|---|---|---|---|
| 1 | Agronomy | 2015 | Dr. K. Srinivasulu | Certificate of appreiciation | District magistrate, Guntur |
| | | 2016 | Dr. Balineni Venkateswarlu | ANGRAU meritorious teacher award | ANGRAU |
| | | 2016 | Dr. K. Srinivasulu | Best oral presentation | IJTA |
| | | 2017 | Dr. Balineni Venkateswarlu | Ugadi Puraskar award | Govt of AP |
| | | 2017 | Dr. Balineni Venkateswarlu | Australia award fellowship | Australian Govt. |
| | | 2018 | Dr. K. Mosha | Ugadi Puraskar award | Govt of AP |
| 2 | Agricultural Economics | 2016 | Dr K Suseela | Best research paper | International Journal of Agricultural Science and Research (IJASR) |
| | | 2018 | Dr K Suseela | World Champion 2018 Dry Land Agriculture | International Agency for Standards and Ratings (IASR) |
| | | 2018 | Dr. V. Sitarambabu | Best group seminar presentation | |
| 3 | Agriculture Extension & Communication | 2016 | Dr. V. Jyothi | Best Participant Award- Second Prize for Best performance, communication ability, punctuality and sincerity during 21 days training on ICT mediated Agricultural Extension held at ICAR-IARI, New Delhi (2-22, August 2016) | Received from Centre of Advanced Faculty Training Institute, Division of Extension Education, ICAR-IARI, New Delhi |
| | | 2017 | Dr.M.Srinivasa Rao | Outstanding extension worker award | Contribution in field of Agriculture extension on the occasion of National conference on doubling farmer's income for sustainable and harmonious agriculture –DISHA 2017(9-10 september,2017) |
| | | 2017 | Dr.M.Srinivasa Rao | Best oral presentation award | National conference on doubling farmer's income for sustainable and harmonious agriculture –DISHA |

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| | | | | | 2017(9-10 september,2017) |
| | | 2017 | Dr. V. Jyothi | Best KVK Professional Award for Outstanding contribution in the field of transfer of technology | Society of Extension Education, Agra |
| | | 2017 | Dr. V. Jyothi | Best Paper Presentation Award for "Pocket Cards - An Innovative Low Cost Extension Methodology in Disseminating Critical Crop Interventions to Farming Community" authored by V. Jyothi, Vijayabhinandana. B, Venkata Subbaiah. P, Rajasri.M, Raja Reddy. K | Society of Extension Education, Agra during 8th National Extension Education Congress organized by Society of Extension Education, Agra at NAARM, Hyderabad during 28-31, Jan 2017 |
| | | 2020 | Dr. V. Jyothi | First prize in oral paper presentation for 'Farmers preparedness for agricultural contingencies in Krishna district of Andhra Pradesh' authored by *Jyothi. V,* Vijayabhinandana. B and Venkata Subbaiah. P | Andhra Agricultural Union, Agricultural College, Bapatla during National Seminar on Innovations in Agriculture for Rural Development (IARD- 2020) conducted during Feb 21-22, 2020 |
| 4 | Entomology | 2015 | Dr. Cherukuri Sreenivasa Rao | Best Session Paper | 4th International Conference on Agricultural and Environment Engineering (ICFAE, 15) at Bali, Indonesia, during 7-8 May, 2015. |
| | | 2015 | Dr Cherukuri Sreenivasa Rao | FTAPCCI Excellence Award | The Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry (FTAPCCI) – Excellence in Science Award for Outstanding Contribution in Food Safety and Pesticide Residues |
| | | 2016 | Dr Cherukuri Sreenivasa Rao | Certificate of Excellence | Association of India for Indian Journal of Plant Protection |
| | | 2016 | Dr Cherukuri Sreenivasa Rao | Certificate of Appreciation by USDA | USDA, for conducting training program on Pesticide Residues in Food Crops and Dietary Risk Assessment as Master |

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| | | | | | Trainer to officials of Ministry of Agriculture, Malaysia at Malaysia during 21-23 Sept, 2016 |
| | | 2016 | Dr G Ramachandra Rao | Ugadi Purskaram | State Govt., AP |
| | | 2016 | Dr G Ramachandra Rao | Dr.I.V.Subbarao memorial Rytunestam puraskaram | Rytunestam foundation |
| | | 2017 | Dr P V Krishnayya | Ugadipuraskaram | State Govt., AP |
| | | 2017 | Dr Cherukuri Sreenivasa Rao | Certificate of Contribution (NIRD) | NIRD & PR – for drafting Qualification Pack for Structural Pest Management Technician Course |
| | | 2018 | Dr D V Sai Ram Kumar | Best Poster Presentation Award for the article entitled "Resource efficient and cost reduction technology for *Trichogramma chilonis* Ishii production" 1st Intl. Conference on Biological Control held at Bengaluru | Soc. of Biocontrol By Advancement & NBAIR, Bengaluru, India. |
| | | 2019 | Dr G Ramachandra Rao | State Best Teacher Award in Agriculture category | State Govt |
| | | 2020 | Dr D V Sai Ram Kumar | First Best Poster Presentation Award for the article entitled "Availability and constant supply of Trichogramma chilonis production at rapid rates using eri silkworm as an alternate host with superior morphogenetic traits" during the XVII-AZRA International Conference | UAS Raichur, Karnataka, India |
| 5 | Genetics & Plant Breeding | 2019 | Dr. V. Satyanarayana Rao | Merit certificate to RARS, Lam as best Pulses Research Station in India. | IIPR, Kanpur |

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| | | 2019 | Dr. V. Satyanarayana Rao | Best RARS Award | Vice Chancellor, ANGRAU |
| | | 2020 | Dr. T. Haritha | Best oral paper presentation in National Seminar on Innovations in Agriculture and Rural Development (IARD-2020) | Andhra Agricultural Union, Agricultural College, Bapatla. |
| 6 | Soil Science and Agricultural Chemistry | 2018 | Dr. P. Rama Krishna Prasad | Ugadhi Puraskaram Award | State Govt, AP |
| 7 | Plant Pathology | 2019 | Dr. V. Prasanna Kumari | State Teacher Award, Govt. of AP. | Dept. of Higher Education, Govt of AP |
| 8 | Statistics and Computer Applications | 2017 | Dr D Ramesh | Received Young Teacher Award ( Agricultural Statistics) | Science and Tech society for Integrated Rural Improvement", Warangal, Telangana during National conference on Doubling farmers income for sustainable and harmonious Agriculture-(DISHA 2019) at Tirupathi during 9-10 Sep 2017. |
| | | 2018 | Dr V. Srinivasa Rao | State Meritorious Teacher Award | Govt. of Andhra Pradesh |
| | | 2020 | Dr D Ramesh | Best Oral presentation Award in National Seminar on Innovations in Agriculture for Rural Development (IARD-2020) | Andhra Agricultural union, Agricultural College, Bapatla during 21-22 February 2020. |

## AWARDS / RECOGNITIONS / APPRECIATION CERTIFICATES OF STUDENTS DURING LAST 5 YEARS (2015 ONWARDS)

| S. No. | Name of the award | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---|---|---|---|---|---|---|
| 1 | Sri.Rama Krishna Reddy Memorial Gold Medal, (Highest G.P.A. in Gen. & Plant Breeding & Plant Physiology subjects only) | Ms. Ch. Prasanna BA-10-66 | Ms.P.Sri Lakshmi, BA 11-115 | Mr.G.Ravindranadh, BA 12-107 | Ms. V. Yamini BA-13-174 | Ms Sushree Suvangi Khuntia BA-14-179 |
| 2 | Principal G.V.Narayana's & Dr.J.S.Patel Rolling Cup, (Highest G.P.A. in Gen. & Plant Breeding subjects only) | Ms. B. Prasanthi BA-10-63 | Ms.P.Sri Lakshmi, BA 11-115 | Mr.G.Ravindranadh, BA 12-107 | Ms. V. Yamini BA-13-174 | Ms Sushree Suvangi Khuntia BA-14-179 |
| 3 | Professor I.Sambasiva Rao, Ever Rolling Cup, (Highest O.G.P.A. in Agronomy subjects only) | Mr. D. Manoj Kumar, BA-10-53 | Mr.B.Venu Babu, BA 11-136 | Mr.G.Ravindranadh, BA 12-107 | Ms. V. Yamini BA-13-174 | Mr. M. Veerendra BA-14-185 |
| 4 | Sri.Veerapaneni Narasayya Chowdary Memorial Silver Jubilee Rolling Cup, (Highest G.P.A. in Plant Pathology subjects only) | Ms. Ch. Prasanna BA-10-66 | Mr.B.Venu Babu, BA 11-136 | Mr.G.Ravindranadh, BA 12-107 | Ms. A. Suryakala BA-13-114 | Ms Sushree Suvangi Khuntia BA-14-179 |
| 5 | Silver Jubilee Rolling Cup Donated by Sri.G.Veeraiah Chowdary Proprietor, Sri.Lakshmi Press, Bapatla, (Highest G.P.A. in Agril. Extension subjects only) | Ms. Ch. Prasanna BA-10-66 | Mr.B.Venu Babu, BA 11-136 | Mr.G.Ravindranadh, BA 12-107 | Mr. M. Sai Krishna BA-13-114 | Mr. M. kasi Rao BA-14-66 |
| 6 | Late Sri.P.Balarami Reddy, Smt. Lakshmi Devi and Smt. Santhamma Memorial Cash Award of Rs.20,000/- donated by the distinguished alumnus Sri. Pocha Radha Krishna Reddy, to Economically One Poor **Boy** | Mr. M. Jitendra BA-14-58 | Mr.S.Dhana Raju, BA 15-038 | Mr. K. Ayodhya Ramaiah, BA 16-017 | Mr. N. Bhargava Rao BA-17-17 | Mr. Ch. Anudeep BA-18-12 |

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| | student with Highest OGPA in Ist B.Sc.(Ag.) of 2015 admission. | | | | | |
| 7 | Late Sri. P. Balarami Reddy, Smt. Lakshmi Devi and Smt. Santhamma Memorial Cash Award of Rs.20,000/- donated by the distinguished alumnus Sri. Pocha Radha Krishna Reddy, to Economically One Poor **Girl** student with Highest OGPA in Ist B.Sc.(Ag.) of 2015 admission. | Ms. G. Bhagyasri BA-14-23 | Ms.D.Venkata Ramana, BA 15-200 | Ms. K. Nagamani, BA 16-102 | Ms. A. Nymisha BA-17-122 | Ms. K. Divya BA-18-37 |
| 8 | 1956-59 batch Agril Graduates Cash Award of Rs.5,900/- (Highest OGPA student of all subjects in B.Sc.(Ag.) 2011 batch) | Ms. Ch. Prasanna BA-10-66 | Mr.B.Venu Babu, BA 11-136 | Mr.G.Ravindranadh, BA 12-107 | Ms. B. Gayathri BA-13-34 | Ms. Sushree Suvangi khuntia BA-14-179 |
| 9 | 1967 Alumni Fellowship Cash Award of Rs.5,900/- (Economically Poorest with Highest OGPA student in 1st B.Sc.(Ag.) 2015 batch | Mr. P. Naga Siva Reddy BA-14-159 | Ms.L.Alekhya, BA 15-012 | Ms. K. Nagamani, BA 16-102 | Ms. A. Nymisha BA-17-122 | Ms. K. Divya BA-18-37 |
| 10 | 1966-70 batch Endowment Fund Cash Award of Rs.10,000/- (Economically Poorest with Highest OGPA student in 2nd B.Sc.(Ag.) 2014 batch) | Ms. V. Yamini BA-13-174 | Ms.G.Bhagyasri, BA 14-023 | Ms.D.Venkata Ramana, BA 15-200 | Ms. R. Sai Padmini BA-16-151 | Ms. A. Nymisha BA-17-122 |

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| 11 | 1966-70 batch Endowment Fund Cash Award of Rs.10,000/- (Economically Poorest with Highest OGPA student in 3rd B.Sc.(Ag.) 2013 batch) | Ms. A. Lakshmi Mounika BA-12-54 | Ms.B.Gayathri, BA 13-034 | Mr.B.Ravi Teja, BA 14-128 | Ms. D. Venkata Ramana BA-15-200 | Ms. R. Sai Padmini BA-16-151 |
| 12 | 1966-70 batch Endowment Fund Cash Award of Rs.10,000/- (Economically Poorest with Highest OGPA student in Final B.Sc.(Ag.) 2012 batch) | Mr. B. Venu Babu BA-11-136 | Ms.Y.Maheswari Devi, BA 12-067 | Ms.B.Gayathri, BA 13-034 | Mr. B. ravi Teja BA-14-128 | Ms. D. Venkata Ramana BA-15-200 |
| 13 | Ramakrishna Reddy Memorial Silver Cup for standing first in the elocution competition in English in connection with Annual College day celebrations. | Ms. V. Suryaja BA-12-150 | Ms. G. Indira BA-15-43 | Ms. G. Indira BA-15-43 | Ms Sushree Suvangi khuntia BA-14-179 | Mr. Shishir Kumar Singh BA-16-171 |
| 14 | Dr.Balineni Venkateswarlu Cash Award of Rs.10,000/- in the name of the late Sri Balineni Hanumantha Rao and Smt Venkata Subbamma to overall champion ship individuals (**Boy & Girl**) in College sports and games, 2016-17 | - | - | Mr.Ch.Durga Prasad, BA 13-028<br><br>Ms.T.Rajeswari, BA 14-124 | Mr. T. Edwin Blessy BA-16-38<br><br>Ms. N. Indulatha BA-16-110 | Mr. T. Edwin Blessy BA-16-38<br><br>Ms. S. V. Rajeswari BA-18-129 |
| 15 | Late Sri Vari Reddy Rama Krishna Reddy and Smt. Sarada Cash award of Donated by the distinguished alumnus Sri Pocha Radha Krishna Reddy to one economically Poorest **Boy** student with 2nd highest OGPA in 1st B.Sc(Ag.) 2016-17 batch. | - | - | Mr.K.Kalyan Pavan, BA 16-061 | Mr. D. Venkata Sai BA-17-234 | Mr. Y. Shanmukha Krishna BA-18-180 |

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| 16 | Late Sri Vari Reddy Rama Krishna Reddy and Smt. Sarada Cash award of Donated by the distinguished alumnus Sri Pocha Radha Krishna Reddy to one economically Poorest **Girl** Student with 2nd highest OGPA in 1st B.Sc(Ag.) 2016-17 batch. | - | - | Ms. B. Rama BA 16-139 | Ms. T. Naga Chandrika BA—17-221 | Ms. S. Divya BA-18-39 |

| S. No. | Name of the Prize | Name of the Student awarded the Prize | Highest O.G.P.A | Prizes for the Year |
|---|---|---|---|---|
| 1. | Sri Veerapaneni Basavaiah Chowdary Memororial Ever Rolling Silver Cup | Priyanka M. K., BAM 15-33 | 8.88 | 2017-18 |
| 2. | | K.Adilakshmi, BAM 14-21 | 8.26 | 2016-17 |
| 3. | | O. Siva Devika, BAM 13-24 | 8.93 | 2015-16 |
| 4. | | Ch. Sujala, BAM 12-27 | 9.01 | 2014-15 |
| 5. | | K. Lakshmi Prasanna, BAM 11-29 | 8.80 | 2013-14 |

**Best M.Sc.(Ag.) thesis award by the 1964-68 Alumni for the year, 2016-17 & 2017-18 Presentation of award at College Day**

- Mr. B. Sudhakar Reddy, BAM 15-23, Major advisor Dr. M. Girija Rani, Scientist(Br.)APRRI & RARS, Maruteru in the Department of Genetics and Plant Breeding, was found as the best one.
- Mr. B. Prudhvi Lal, BAM 14-24, Major advisor Dr. P. Ravindra Babu, Professor in the Department of Soil Science & Agricultural Chemistry, was found as the best one.

**Col. PV Krishnayya Chowdary memorial Gold Medal for Best Student Research Paper published in Andhra Agricultural Journal**

| S. No | Year | Author Name | ID No. | Department | Title of the Article | Published in volume |
|---|---|---|---|---|---|---|
| 1. | 2020 | I. JaggaRao | BAD-16-13 | SS & AC | Effect of organic manures and inorganic phosphorus on growth and yield of rice | 66(3), 2019 |
| 2. | 2019 | Dr. B. Ravikanth | BAD-13-06 | GPBR | Evaluation of genetic diversity in rice (*Oryza sativa L.*) for direct seeding traits using SSR markers | 65(2), 2018 |
| 3. | 2018 | V. Jyothsna | BAM-15-51 | P. Pathology | Effect of fungicides and botanicals in the management of alternaria leaf spot of sesame | 65(1), 2018 |
| 4. | 2017 | V. PrasadaRao | Bad-11-01 | Agronomy | Response of aerobic rice to sub surface drip fertigation | 64(1), 2017 |
| 5. | 2016 | Ch. Sujala | BAM-12-27 | SS & AC | Performance of sweet corn as influenced by organics in a clay loam soil | 63(1), 2016 |
| 6. | 2015 | M. Girija Rani | BAD-11-03 | GPBR | Physiological and molecular characterization of rice varieties for submergence tolerance | |

**Academic meritorious medals at College level distributed during Annual Convocation**
**Name of the medal: Bapatla 1967 Alumni Gold medal**

| Convocation | Name of the recipient | ID No. |
|---|---|---|
| 45th Annual Convocation | Ms. N. Sudha Madhuri | BA-07-100 |
| 46th Annual Convocation | Mr. E. Ram Prasad | BA-18-072 |
| 47th Annual Convocation | Ms. B. Rama Devi | BA-09-077 |
| 48th Annual Convocation | Ms. B. Parvathi | BA-10-063 |
| 49th Annual Convocation | Ms. P. Srilakshmi | BA-11-115 |

## 6.5.7.4 EMPLOYABILITY

The College has established Placement Cell, a Professor as In-Charge Officer. The Placement has developed very strong backward and forward linkages with all stake holders. The Placement Cell will send an Introductory Letter to all Stake holders describing about the Strenghts and Skills of the students of the College and invite them to interact and discuss with the students as Preliminary step towards employment of the students of the College. The stake holders will make an official proceeding and communicate with Placement Cell explaining about their specific requirements of the students and the job chart of the position. Accordingly, students are informed, and the interested students are trained for the purpose. The Placement Cell conducts regular soft skills training programmes along with language trainings.

The Placement Cell has all the infrastructural facilties for comforting the visting stake holders, interview table and chairs, air-conditioned room etc., and the Placement Cell has very strong communication system with the students, and is the main reason that the students of the college are very successful in getting the employment.

The employability of the students is 100%, and the Placement Cell also developed feedback system for recording the views, opinions and experience of the Employer with the students of the College, for review of complaints, if any.

## ALUMNI ASSOCIATION

Dr. NGP Rao, Chairman, ASRB, inaugurated Alumni Association on 26th Dec 1988. The Alumni association has conducted various programmes with the support of Alumni in addition to various college development activities. The alumni association has taken very active part in organizing Silver Jubilee and Golden Jubilee functions.

Keeping in view of expanding the scope of activities of the Alumni Association, most importantly for fund rising for college development and various other student encouragement activities, The Alumni Agricultural Graduates Trust for College Development (AAGTCD, ID NO: IV/720/2/2014 SRO, Bapatla), the official organ of the Agricultural College, Bapatla was established and registered on the 10th day of January 2014.

The Alumni Association (AAGTCD) has established strong linkages and bonding with Alumni and Alma Mater and has been aiding for various activities for college development. In view of the advancement in the technology, to CONNECT to Alumni, the AAGTCD has launched website for keeping informed about the news about the college, and the activities of AAGTCD. The website (www.bapatlaagricos.org) was launched on College Foundation Day, i.e. 16th July 2020 coinciding with Platinum Jubille of the College.

## 6.5.9. CERTIFICATE

**I, the Associate Dean, Dr. G. Ramachandra Rao, hereby certify that the information contained in the Section 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the college, and degree awarding University.**

**Date: 14-September-2020**





## ACCREDITATION (SELF STUDY REPORT) COMMITTEE

| | | |
|---|---|---|
| **CHAIRMAN** | **:** | **Dr. P. V. Krishnayya**<br>**Professor & University Head (Entomology)** |
| **CONVENOR** | **:** | **Dr. Cherukuri Sreenivasa Rao**<br>**Professor (Entomology)** |
| **MEMBERS** | **:** | **Dr. Ch. Sujani Rao**<br>**Professor (Soil Science & Agricultural Chemistry)** |
| | | **Dr. B. Aparna**<br>**Assistant Professor (Agricultural Economics)** |
| | | **Sri. N. Kiran Kumar**<br>**Assistant Professor (Plant Pathology)** |

## LIST OF PRINCIPALS AND ASSOCIATE DEANS OF THE COLLEGE (SINCE INCEPTION)

| S.No. | Name | Designation | Period |
|---|---|---|---|
| 1 | Sri C.R. SREENIVASAIYENGAR<br>L.Ag. | Principal | 1945-47 |
| 2 | Sri M.C. CHERIAN<br>B.A., D.I.C. | Principal | 1947- |
| 3 | Sri P.V. RAMAIAH<br>M.A., B.Sc.(EDIN) | Principal | 1948-52 |
| 4 | Sri R. BALASUBRAMANIAM<br>B.A., B.Sc.(Ag.) | Principal | 1952-53 |
| 5 | Sri P.D. KARUNAKAR<br>M.S.(RUTGERS) | Principal | 1953- |
| 6 | Sri G.V. NARAYANA<br>B.Sc.(Ag.) | Principal | 1953-55 |
| 7 | Sri M.B.V. NARASINGA RAO<br>B.A., B.Sc.(Ag.) | Principal | 1955-56 |
| 8 | Sri T.V. REDDY<br>B.Sc.(Ag.), M.Sc., P.G.(U.S.A.) | Principal | 1957-59 |
| 9 | Prof. B. APPALANAIDU,<br>M.A.,M.Sc.,Ph.D.(KANSAS-U.S.A.) F.B.S. | Principal | 1960-67 |
| 10 | P. GOVINDA RAO<br>B.Sc.(Ag.).,M.S.(KANSAS) | Principal | 1968-70 |
| 11 | Prof A. ADIVI REDDY<br>B.Sc.(Ag.), D.I.H., M.S.(MISS),<br>Ph.D.,(CORNELL-IARI) | Principal | 1970-71 |
| 12 | Prof. S.N. RAO<br>M.S.(CALIF), Ph.D.(MICH) | Principal | 1971-75 |
| 13 | Prof. R.L. NARASIMHAM<br>M.Sc., Ph.D. | Principal | 1975-78 |
| 14 | Prof. S. MAHBOOB ALI | Principal | 1978- |
| 15 | Prof. T.D.J. NAGABHUSHANAM | Principal | 1978-80 |
| 16 | Prof. M.V. REDDI | Principal | 1980-83 |
| 17 | Prof. M. SUGUNAKAR REDDY | Principal | 1983-84 |
| 18 | Prof. K.A. BALASUBRAMANIAM, M.Sc.,<br>Ph.D.(IARI), Ph.D.(LOND), D.I.C.(LOND) | Principal | 1984-86 |
| 19 | Prof. A. NARAYANAN<br>B.Sc., B.Sc.(Ag.), M.Sc., Ph.D. | Principal | 1986-89 |
| 20 | Prof. G. MADHUSUDANA RAO<br>B.Sc.(Ag.), M.Sc.(Ag.), Ph.D.(KANSAS-IARI) | Principal | 1989-92 |

| | | | |
|---|---|---|---|
| 21 | Prof. R.N. PILLAI<br>M.Sc., Ph.D. | Principal | 1992-95 |
| 22 | Prof. N. SREERAMA REDDI<br>M.Sc.(Ag.), Ph.D. | Principal | 1995-2000 |
| 23 | Prof. G.V. HANUMANTHA RAO<br>B.Sc., B.Sc. (Ag.)., M.Sc.(Ag.)Ph.D | Associate Dean | 2000-02 |
| 24 | Prof. G. LAKSHMIKANTHA REDDY,<br>M.Sc.(Ag.), Ph.D. | Associate Dean | 2003-05 |
| 25 | Prof. K. BHASKARA RAO<br>M.Sc.(Ag.), Ph.D. | Associate Dean | 2006-09 |
| 26 | Prof. M. SUBBA RAO<br>M.Sc.(Ag.), Ph.D. | Associate Dean | 2009-10 |
| 27 | Prof. VULCHI SANKARA RAO<br>M.Sc.(Ag.), Ph.D. | Associate Dean | 2010-12 |
| 28 | Prof. K.V.M. KRISHNA MURTHY<br>M.Sc.(Ag.), Ph.D. | Associate Dean | 2012-12 |
| 29 | Prof. G. SUBBAIAH<br>M.Sc.(Ag.), Ph.D. | Associate Dean | 2012-14 |
| 30 | Prof. D. VISHNU SANKAR RAO<br>M.Sc.(Ag.), Ph.D. | Associate Dean | 2014-14 |
| 31 | Prof. P.R.K. PRASAD<br>M.Sc.(Ag.),. Ph.D. | Associate Dean | 2014-17 |
| 32 | Prof. D. LOKANADHA RADDY<br>M.Sc.(Ag.), Ph.D. | Associate Dean | 2017-19 |
| 33 | Prof. P.V. KRISHNAYYA<br>M.Sc.(Ag.)., Ph.D. | Associate Dean | 2019-20 |
| 34 | Prof. G. Ramachandra Rao<br>M.Sc.(Ag.)., Ph.D. | Associate Dean | 2020-till date |

# SELF STUDY REPORT
*for*
# ACCREDITATION OF PROGRAMMES

## BACHELOR OF SCIENCE (HONOURS) IN AGRICULTURE
## B.SC. (HONS.) AGRI


**Acharya N. G Ranga Agricultural University**
**AGRICULTURAL COLLEGE**
**BAPATLA-522101**
**GUNTUR DISTRICT, ANDHRA PRADESH**

# AGRICULTURAL COLLEGE
# BAPATLA
# CELEBRATING 75 YEARS
# PLATINUM JUBILEE YEAR
# (Founded on 16th July, 1945)

*"Cultivate faith with seeds of vision to yield fruits of action"*

*Sir S. V. Ramamurthi, I.C.S*

*Advisor to the Governor of the erstwhile Madras State*

*One of the founder visionaries of Agricultural College, Bapatla on its foundation day, 16-07-1945*

# OUR MISSION

As a constituent College of Acharya N. G. Ranga Agricultural University (ANGRAU) and in tune with the ANGRAU's Vision 2020 Strategic Plan Document, the mandated mission statements of this College are:

- Education — To train the manpower needed for agricultural development of the State of Andhra Pradesh.
- Research — To constantly improve and generate technologies for increasing production in agriculture.
- Extension — To assist through the development departments of the Government, in the process of dissemination of the improved technologies to the farmers of Andhra Pradesh

**ANGRAU's Mission statement**

**"Making Agriculture Profitable"**

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## 6.4.1 BRIEF HISTORY OF THE PROGRAMME

The Bachelor of Science (Agriculture) was started in the year 1945, and till date 71 batches of students Graduate from the College. The trimester system was replaced by semester system in 1972. The Rural Agricultural Work Experience Programme (RAWEP), an innovative academic programme was designed and initiated by APAU under the Vice-Chancellorship of Sri J Raghotham Reddy in 1980-81 to enable the final year B.Sc (Ag) students to work with and live among the farmers in rural areas for one semester so that they would get firsthand experience of rural agricultural conditions and to study the ways in which their own skills and knowledge could be utilized to improve the conditions of the farmers. This popular academic programme formed a model for adoption by several other Agricultural Universities in India.

The four year Bachelor of Science in Agriculture i.e B.Sc (Ag) programme was modified as Bachelor of Science Honours in Agriculture i.e. B.Sc (Hons.) Agril from the year 2016.

**The following goals are set for this college keeping in view the vision and mission of the University and College.**

**Long Term Goals**

1. Making Agriculture in Andhra Pradesh viable and profitable through quality education in Agricultural Sciences.
2. Developing qualified and competent human resources for the emerging new trends in Agriculture.
3. Making Agriculture sustainable in the changing global climatic scenario.
4. Ensuring efficient transfer of the latest technology to the farmers.

**Short Term Goals**

1. Providing agricultural education mainly to the rural people in the State of Andhra Pradesh in Agriculture.
2. Improving the quality and relevance of undergraduate and postgraduate education by strengthening UG and PG curricular and research programmes.

3. Creating professional development opportunities for teachers through exposure to recent advances and teaching capabilities.
4. Training human resources in core and emerging areas by introducing new courses / programmes.
5. Providing international / global exposure to students and faculty.
6. Creating entrepreneurial skills and to encourage interaction with business leaders and agribusiness trade and industry.
7. Training youth and women to acquire practical skills and enable them to serve as grass root level functionaries or entrepreneurs.

**Objectives**:

1. To create awareness and interest among the rural youth of Andhra Pradesh in Agriculture and Agricultural production.
2. To provide quality education at UG and PG level by adopting new course curriculum based on emerging trends in agriculture.
3. To impart rural work experience through RAWE programme and entrepreneurial skills through AEL programmes.
4. To create interest in the young minds towards research and development in Agriculture.
5. To equip the students to meet the changing trends in agriculture.
6. To carry out research by students based on the local agricultural problems by identifying the gaps in technology.
7. To encourage the students in taking up higher education at national and international institutes.
8. To develop ICTs for fast dissemination of information on farmer related problems.

## ACCOMPLISHMENTS:

More than 8500 students Graduate from the college since 1945.

## 6.4.2 FACULTY STRENGTH

### A. DIVISIONS / DEPARTMENTS

### 1. AGRONOMY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1* CAS Prof | -- | 1 |
| 2 | Associate professor | 1 | 1* CAS Prof | -- | 1 |
| 3 | Assistant Professor | 9 | 3 Asst Prof (+3* CAS Prof) | 3 | 5 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. M. Martin Luther | Ph.D | Professor & Head | 33 Years | Soil fertility Management & Forestry | UG/PG/Ph.D |
| 2 | Dr. B. Venkateswarlu | Ph.D | Professor | 33 Years | water management, forage crops | UG/PG/Ph.D |
| 3 | Dr. P. V. N. Prasad | Ph.D | Professor | 33 Years | Nutrient management in cropping system, Rainfed farming& Watershed management | UG/PG/Ph.D |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Dr. K. Mosha | Ph.D | Professor | 31 Years | Integrated Nutrient Management & Crop production | UG/PG/Ph.D |
| 5 | Dr. K. Srinivasulu | Ph.D | Professor | | Weed Management | UG/PG/Ph.D |
| 6 | Shri. P. Venkata Rao | M.Sc | Assistant Professor | 33 Years | Crop production | UG |
| 7 | Ms. Ch. Naga Jyothi | M.Sc | Assistant Professor | 3 years | Organic farming & IFS | UG |
| 8 | Dr. K. Lakshman | Ph.D | Assistant Professor | 7years | Precision farming & Weed Management | UG/PG |

## 2. AGRICULTURAL ECONOMICS

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 2 | Nil | 2 | 0 |
| 2 | Associate professor | 1 | Nil | 1 | 1* (Incl Stat) |
| 3 | Assistant Professor | 4 | 4 | Nil | 5* (incl Stat) |

***Department of Statistics and Computer Applications is separately presented, as the College has separate Department of Statistics and Computer Applications***

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr K Suseela | Ph D | Assistant Professor and Head | 16 | Agricultural Production Economics | UG/PG/Ph.D |
| 2 | Dr B Aparna | Ph D | Assistant Professor | 6 | Agricultural Marketing | UG/PG/Ph.D |
| 3 | Dr V Sitarambabu | Ph D | Assistant Professor | 3 | Agricultural Marketing | UG/PG |
| 4 | Dr K Uma Devi | Ph D | Assistant Professor | 6 | Agricultural Production Economics | IDP work at Lam, Guntur |

## 3. AGRICULTURAL EXTENSION

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | -- | -- |
| 2 | Associate professor | 1 | 1* CAS Assoc Prof | -- | 1 |
| 3 | Assistant Professor | 4 | 1 (+1* CAS Prof) | 2 | 2+1 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. B. Vijayabhinandana | M.Sc(Ag.), Ph.D | Professor | 34 | Agril. Extension/Educational Technology | UG/PG/Ph.D |
| 2 | Dr. K. Ramadevy | M.Sc(Ag.), Ph.D | Professor | 22 | Agril. Extension/Training & Development | UG/PG/Ph.D |
| 3 | Dr. M. Srinivasa Rao | M.Sc(Ag.), Ph.D | Associate professor | 13 | Agril. Extension/Theory building, Entrepreneurship | UG/PG/Ph.D |
| 4 | Dr. V. Jyothi | M.Sc(Ag.), Ph.D | Assistant Professor | 10 | Agril. Extension/Information Communication Technology | UG/PG/Ph.D |

## 4. ENTOMOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1* CAS Prof | -- | |
| 2 | Associate professor | 1 | 1* CAS Prof | -- | 1 |
| 3 | Assistant Professor | 6 | 2 (+4* CAS Prof) | -- | 2 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr Ch. Chiranjeevi, | Ph. D | Prof & Head | 35 | IPM, vegetable and rice Entomology | UG, PG & Ph.D |
| 2 | Dr Ch. Sreenivasarao | Ph. D | Professor | 22 | Insecticide residues, Insect Physiology; Insecticide Toxicology | UG, PG & Ph.D |
| 3 | Dr T. Madhumathi | Ph. D | Professor | 22 | Storage Entomology, Ecology Insecticide Toxicology, | UG, PG & Ph.D |
| 4 | Dr G Rama Chandra Rao | Ph. D | Professor | 22 | IPM; Botanicals, Storage Entomology | UG, PG & Ph.D |
| 5 | Dr D. V Sai Ram Kumar | Ph. D | Professor | 21 | Bio Control | UG, PG & Ph.D |
| 6 | Dr C. Sandhya Rani | Ph. D | Professor | 18 | IPM in pulses, Groundnut, millets, | UG, PG & Ph.D |
| 7 | Sri R. Bala Muralidhar Naik | (Ph. D) | Asst Professor | 14 | IPM in rice and pulses, | UG & PG |
| 8 | Dr B. Ratna Kumari | Ph. D | Asst Professor | 07 | Insecticide Residues, Insecticide Toxicology | UG & PG |

## 5. GENETICS AND PLANT BREEDIG

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor (Direct) | 1 | 1* CAS Prof | -- | 1 |
| 2 | Associate professor (Direct) | 1 | 1 | -- | 1 |
| 3 | Assistant Professor | 7 | 3 (+1*CAS Prof) | 2 | 3 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. V. Satyanarayana Rao | Ph.D | Professor & Head | 34 | Genetics and Plant Breeding | UG, PG and Ph.D |
| 2 | Dr. T. Srinivas | Ph.D | Professor | 22 | Genetics and Plant Breeding | UG, PG and Ph.D |
| 3 | Dr. B. Vijaya lakshmi | Ph.D | Assoc. Professor | 17 | Seed science and technology | UG, PG and Ph.D |
| 4 | Mrs. M. Tushara | M.Sc. Ag, | Asst. Professor | 6 | Genetics and Plant Breeding | UG, PG |
| 5 | Dr. V. Roja | Ph.D | Asst. Professor | 6 | Molecular Biology and Biotechnology | UG, PG and Ph.D |
| 6 | Dr. T. Haritha | Ph.D | Asst. Professor | 3 | Genetics and Plant Breeding | UG, PG and Ph.D |

## 6. HORTICULTURE

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Associate professor | 1 | -- | 1 | 1 |
| 2 | Assistant Professor | 3 | 2 (+TA) | -- | 3 |

* Teaching Associate

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Smt. N. Ratna Kumari | Ph.D pursuing | Assistant Professor | 7 yrs 3 months | Horticulture (Vegetables) | UG |
| 2 | Dr. Y. Bindiya | Ph.D | Assistant Professor | 6 yrs 5 months | Horticulture (Vegetables) | UG |

## 7. SOIL SCIENCE AND AGRICULTURAL CHEMISTRY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | - | |
| 2 | Associate professor | - | - | 1 | |
| 3 | Assistant Professor | 8 | 4 Asst Prof (+*2 CAS Prof) | 2 | |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr.P.R.K Prasad | Ph.D | Professor & Head | 33 yrs 11 months | Remote sensing and GIS, and management of salt affected soils | UG, PG, Ph.D |
| 2 | Dr. A.Lalitha Kumari | Ph.D | Professor | 34 years | Soil fertility and nutrient management | UG, PG, Ph.D |
| 3 | Dr. Ch. Sujani Rao | Ph.D | Professor | 20 yrs 5 months | Soil fertility and water management | UG, PG, Ph.D |
| 4 | Dr.M.Latha | Ph.D | Assistant Professor | 13 yrs 11 months | Soil Fertility, Soil Physics & Pedology | UG, PG, Ph.D |
| 5 | Smt. A.J.Suvarna Latha | M.Sc(Ag) | Assistant Professor | 12 yrs 11 months | Soil fertility and nutrient management | UG, PG |
| 6 | Dr.P.Mohan Rao | Ph.D | Assistant Professor | 6 yrs | Soil fertility and nutrient management | UG, PG, Ph.D |
| 7 | Dr.P.A.Visalakshi Devi | Ph.D | Assistant Professor | 2 yrs 10 months | Soil Pedology | UG, PG, Ph.D |

## 8. PLANT PATHOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | Nil | -- |
| 2 | Associate professor | 1 | -- | 1 | 1 |
| 3 | Assistant Professor | 4 | 2 Asst Prof (+*2 CAS Assoc Prof) | Nil | 2 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. P. Anil Kumar | Ph D | Professor & Head | 23 | Biological control of plant pathogenic fungi | B. Sc. (Hons.) Agriculture, M. Sc. (Ag), and Ph.D |
| 2 | Dr. V. Prasanna Kumari | Ph D | Associate Professor | 19 | Mycology and Molecular Plant Pathology | B. Sc. (Hons.) Agriculture, M. Sc. (Ag), and Ph.D |
| 3 | Dr. V. Manoj Kumar | Ph D | Associate Professor | 13 | Virology and Molecular Plant Pathology | B. Sc. (Hons.) Agriculture, M. Sc. (Ag), and Ph.D |
| 4 | Sri Sk Abdul Salam | M Sc (Ag) | Assistant Professor | 6 | Plant Pathology, management of Fugal diseases | B. Sc. (Hons.) Agriculture |
| 5 | Sri N. Kiran Kumar | M Sc (Ag) | Assistant Professor | 3 | Fungal Pathology | B. Sc. (Hons.) Agriculture |

## 9. CROP PHYSIOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | - | 1 | -- |
| 2 | Associate professor | 1 | - | 1 | -- |
| 3 | Assistant Professor | 4 | 2 + (*2 CAS Prof) | - | 1 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. S. RATNA KUMARI | Ph.D. (Ag) | PROFESSOR (CAS) | 35 | Crop Physiology, stress physiology | M.Sc (Ag.) and Ph.D |
| 2 | Dr. K. JAYALALITHA | Ph.D. (Ag) | PROFESSOR (CAS) | 22 | Crop Physiology, stress physiology, nutriophysiology | B.Sc (Ag.), M.Sc (Ag.) and Ph.D |
| 3 | Dr. M. RAVI BABU | Ph.D. (Ag) | ASST. PROFESSOR | 10 | Crop Physiology, stress physiology, Plant Growth Regulators | B.Sc (Ag.), M.Sc (Ag.) and Ph.D |
| 4 | Dr. G. VIJAYA KUMAR | Ph.D. (Ag) | ASST. PROFESSOR | 6 | Crop Physiology, stress physiology, Seed Physiology | B.Sc (Ag.), M.Sc (Ag.) and Ph.D |

## 10. STATISTICS AND COMPUTER APPLICATIONS

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 0 | 1 | - | -- |
| 2 | Associate professor | 0 | 0 | - | -- |
| 3 | Assistant Professor | 4 | 3 | 1 | -- |

*As per ICAR guidelines, recommended strength of Economics includes Statistics.*

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr Srinivasa Rao Vatluri | Ph.D in Stat | Professor & University Head | 21 Y 8 Mon | Stochastic Modelling and Experimental Designs | UG/PG/Ph.D |
| 2 | Dr Srinivasulu Kotta | Ph.D in Stat | Asst. Professor | 6 Y 6 M | Regression Models/ Time Series / Design of Experiments | UG/PG/Ph.D |
| 3 | Dr Govinda Rao Sepana | Ph.D in Stat | Asst. Professor | 6 Y 6 M | Stochastic Modelling | UG/PG/Ph.D |
| 4 | Dr Ramesh Dhasyam | Ph.D in Agril. Stat | Asst. Professor | 3 years | Time Series & Forecasting | UG/PG/Ph.D |

## B. SECTIONS

### 1. ANIMAL SCIENCES including Dairy Sciences & Poultry Units

The college has no special animal sciences department.

### 2. AGRICULTURE ENGINEERING + FARM MANAGEMENT

The course components of Agricultural Engineering are dealt by the Staff of Dr. NTR College of Agricultural Engineering, Bapatla
There is no dedicated section for Agricultural Engineering.

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| **FACULTY** | | | | |
| 1 | Farm Superintendent -Senior Scientist (Agro) & Head | 1 | 1 | - |
| 2 | Farm Manager-Scientist/ Asst.Professor | 5 | NIL | The staff from Department of Agronomy are deputed to assist |

### 3. BIOCHEMISTRY Section

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Assistant Professor | -02- | 1 | 1 | 1 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Mrs M.Swapna | M.Sc, M.Phil | Assistant Professor | -06- | Plant Biochemistry | UG & PG |

## DEPARTMENT-WISE TOTAL STRENGTH OF FACULTY
## ABSTRACT

| S.No | Department | Sanctioned strength | | | | In-position (*including promoted under CAS) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Professor | Associate Professor | Assistant Professor | Total | Professor | Associate Professor | Assistant Professor | Total |
| 1 | Agronomy | 1 | 1 | 9 | 11 | 5 | - | 3 | 8 |
| 2 | Agricultural Economics | 2 | 1 | 4 | 7 | -- | -- | 4 | 4 |
| 3 | Agricultural Extension | 1 | 1 | 4 | 6 | 2 | 1 | 1 | 4 |
| 4 | Entomology | 1 | 1 | 6 | 8 | 6 | -- | 2 | 8 |
| 5 | Genetics & Plant Breeding | 1 | 1 | 7 | 9 | 2 | 1 | 3 | 6 |
| 6 | Horticulture | -- | 1 | 3 | 4 | -- | -- | 2 | 2 |
| 7 | Soil Science & Agricultural Chemistry | 1 | -- | 8 | 9 | 3 | -- | 4 | 7 |
| 8 | Plant Pathology | 1 | 1 | 4 | 6 | 1 | 2 | 2 | 5 |
| 9 | Crop Physiology | 1 | 1 | 4 | 6 | 2 | -- | 2 | 4 |
| 10 | Statistics & Computer Applications | -- | -- | 4 | 4 | 1 | -- | 3 | 4 |
| 11 | Farm Management | -- | 1 | 5 | 6 | -- | 1 | -- | 1 |
| 12 | Biochemistry | -- | -- | 2 | 2 | -- | -- | 1 | 1 |
| TOTAL | | 9 | 9 | 60 | 78 | 22 | 5 | 27 | 54 |

*The data does not include Associate Dean, Library, Physical Education, Physics, Botanical Garden.*
*The data does not include sanctioned posts of the college, which are redeployed to other places in University.*

## 6.4.3 TECHNICAL AND SUPPORTING STAFF (including the Farm and Field Workers)

### A. DIVISIONS / DEPARTMENTS

#### 1. AGRONOMY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | -- | 1 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |
| 3 | AWM (Field Assistant) | 1 | 2 | -- | 2 |
| 4 | Contractual (different kinds) | | 1 | -- | |
| 5 | LAB Assistants | -- | 2 | -- | 2 |

#### 2. AGRICULTURAL ECONOMICS (The data for Statistics is presented separately, as the College has separate Department of Statistics and Computer Applications)

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | Nil | 1 (* incl Stat) |
| 2 | Office Subordinate | 2 | 2 | Nil | 3 (*incl Stat) |

#### 3. AGRICULTURAL EXTENSION

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -- | 1 | | 1 |
| 2 | Office Subordinate | -- | 1 | | 1 |
| 3 | AWM | -- | 1 | | -- |
| 4 | Others (Artist Cum photographer) | -- | 2 | | -- |

## 4. ENTOMOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -- | 01 | -- | 1 |
| 2 | Office Subordinate | -- | 01 | -- | 1 |
| 3 | AWM | -- | 01 | -- | -- |
| 4 | Contractual (different kinds) | -- | 01 | -- | -- |
| 5 | Others (Time Scale Worker) | -- | 01 | -- | -- |

## 5. GENETICS & PLANT BREEDING

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 4 | 1 | 3 | 1 |
| 2 | Office Subordinate | 2 | - | 2 | 2 |
| 3 | AWM | 2 | 2 | Nil | 2 |
| 4 | Contractual (different kinds) | Nil | Nil | Nil | Nil |
| 5 | Others (Time scale) | 1 | 1 | Nil | Nil |

## 6. HORTICULTURE

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 0 | 1 | 1 |
| 2 | Office Subordinate | 1 | 1 | 0 | 2 |
| 3 | AWM | -- | -- | -- | 2 |

## 7. SOIL SCIENCE & AGRICULTURAL CHEMISTRY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 9 | 1 | 8 | 3 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |
| 3 | AWM | 0 | 1 | -- | -- |
| 4 | Others (JACT) | 1 | 1 | -- | 1 |

## 8. PLANT PATHOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 2 | Record Assistant | 2 | 2 | - | 1 |
| 3 | Office Subordinate | 1 | - | - | 2 |
| 4 | AWM | 1 | 1 | - | 1 |
| 5 | Contractual (different kinds) | - | 1 | - | -- |

## 9. CROP PHYSIOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 2 | 1 | 1 | 1 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |

## 10. STATISTICS & COMPUTER APPLICATIONS

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | 0 | -- |
| 2 | Office Subordinate | 1 | 1 | 0 | -- |
| 3 | Contractual (different kinds) | 0 | 2 | 0 | -- |

*The Data can be included in Department of Economics for consideration of ICAR recommended staff strength*

## B. SECTIONS

### 1. ANIMAL SCIENCES including Dairy Sciences & Poultry Units

The college has no special animal sciences department.

### 2. AGRICULTURE ENGINEERING + FARM MANAGEMENT

There is no dedicated section for Agricultural Engineering.

**FARM MANAGEMENT**

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| 1 | Agril.Officer | 1 | 1 | NIL |
| 2 | Technical Asst. | - | 1 | |
| 3 | Agricultural Extension Officer | 5 | 6 | |
| 4 | JACT | 1 | 1 | NIL |
| 5 | JACT, Stores I/c | - | 1 | - |
| 6 | Typist | 1 | NIL | 1 |
| 7 | Tractor Driver | 1 | 1 | NIL |
| 8 | Office Subordinate | 1 | 1 | 1 |
| 9 | Record Assistant | 2 | 1 | 1 |
| 10 | Cleaner | - | 1 | 1 |

Agricultural Farm - Manpower (Contractual including Daily wages workers, labour etc.,)

| S.No | Type of Manpower | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Agricultural workmen (AWM)(Men & Women) | 31 | All the persons are engaged daily for various activities like Watch & ward, other farm activities like irrigation in orchard block, field operations in paddy seed production plots, PG & Ph.D student experiments etc., |
| 2 | Time scale employees (Men & Women) | 87 | |
| 3 | On work Contract basis (Men & Women) | 9 | |

## 3. BIOCHEMISTRY Section

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -01- | -- | -01- | -01- |
| 2 | Office Subordinate | -01- | | -01- | -- |

**STRENGTH OF TECHNICAL AND SUPPORTING STAFF IN THE COLLEGE UNDER THE DAMINISTRATIVE CONTROL OF ASSOCIATE DEAN**

| Name of the Post/ Cadre | No. of Posts Sanctioned | In position (filled) | Vacant |
|---|---|---|---|
| Admn. Officer | 1 | 1 | -- |
| Agricultural Officer | 1 | 1 | -- |
| Superintendent | 2 | 2 | -- |
| Senior Assistant | 8 | 4+1 | 3 |
| UD Care Taker | 1 | 1 | -- |
| UD Steno | 1 | 1 | -- |
| J.A.C.T | 13 | 5 | 8 |
| Senior Lib.Asst | 1 | 1 | -- |
| Jr.Lib.Asst | 3 | 1 | 2 |
| Rec. Assistant | 32 | 24+1 | 7 |
| Xerox Operator | 1 | -- | 1 |
| Shelf Assistant | 5 | 1 | 4 |
| Workshop Supervisor | 1 | - | 1 |
| Arti-cum-Photographer | 2 | 1 | 1 |
| A.E.O. | 6 | 6 | -- |
| Projector Operator | 1 | - | 1 |
| Mech.Grade-II | 1 | -- | 1 |
| Inst.Mech | 1 | -- | 1 |
| Driver | 5 | 3 | 2 |
| Tractor Driver | 1 | -- | 1 |
| Carpenter | 1 | -- | 1 |
| Oil. Engg. Driver | 1 | - | 1 |
| Jr .Binder | 1 | 1 | -- |
| Pharmacist(Grade-II) | 1 | -- | 1 |
| Dresser | 1 | -- | 1 |
| Veterinary Assistant | 1 | -- | 1 |
| Engg. Maistry | 1 | -- | 1 |
| Pipeline Fitter | 1 | -- | 1 |
| Gasman | 1 | -- | 1 |
| Office Subordinate | 31 | 20 | 11 |
| Lusker | 1 | -- | 1 |
| Pump Attendant | 1 | -- | 1 |
| Cleaner | 4 | 3 | 1 |
| Watchman | 1 | -- | 1 |
| Elec. Helper | 1 | -- | 1 |
| Ward. Boy | 1 | -- | 1 |
| Kamati (Health Clinic) | 1 | 1 | -- |
| Sweep-cum-Scavenger | 1 | 1 | -- |
| A.W.M | 94 | 63 | 31 |
| **TOTAL::::** | **232** | **143** | **89** |

## 6.4.4 CLASSROOMS AND LABORATORIES

The Undergraduate Classrooms of the college, located in Examination Complex building are spacious, sufficiently ventilated, well designed with required audio-visual system, and modern teaching aids. The college have 8 classrooms and one gallery hall (heritage classroom) as designated classrooms for Undergraduate teaching, besides few other facilities such as IDP Hall, Conference Hall etc., which will be used as Classrooms, if required.

All Departments have enough practical laboratories separately for under graduation for conducting practical classes equipped with the all required material and instruments for effective learning and hands-on experience. The UG practical laboratories are sufficiently bigger for accommodating all students comfortably and acquiring hands-on experience.

The Agricultural College is having a separate *Research and Demonstration Farm* which was started in 1950 and the present total area of the farm is 116 ha. The soils of the college farm vary from sandy soils of coastal belt to black soils of deltas. The farm was divided into 5 blocks for administrative convenience *viz*., Wetland block, Northern block, Orchard block, Southern block and Yard block. Each block is under the control of one farm manager.

The farm with different crops in different seasons and conditions is highly suitable for experiencing the UG students to learn various agronomic and agricultural practices, as the farm maintains a crop cafeteria and technology demonstration plots. The Farm maintains separate area with different conditions and soils for the benefit of PG student's research. The farm also has enough farm equipment, machinery and processing units for the purpose. The farm has one classroom and many storerooms for the purpose of hands-on learning and training.

In addition to the laboratory facilities available in various departments for practical of UG and PG courses, the Central Instrumentation Cell and College Farm also used by the faculty for conducting practical classes.

## CLASSROOMS AND LABORATORIES FOR PROGRAMMES:

| Programme | Number of Theory Classrooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| B. Sc (Hons) Agriculture | 8 + 1 | 14 + 1 (Farm) | All the classrooms and functional laboratories are enough to meet the instructional, hands-on training practicals and research requirements<br>All the laboratories were enough to meet course curriculum since a batch is divided into sub batches and are given experiments for each sub batch. |

## THEORY AND PRACTICAL BATCHES FOR THE PROGRAMMES:

| Name of the Programme | Total Intake/year | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| B. Sc (Hons) Agriculture | 240 | 2 | 120 | 4 | 60 |

## LIST OF MAJOR EQUIPMENTS / LABORATORIES / FARM FACILTIES / WORKSHOPS / OTHER INSTITUTIONAL UNITS utilized for award of Degree Programs

## List of equipment in various laboratories for UNDERGRADUATE PROGRAMME: DEPARTMENT WISE

### AGRONOMY

| Name of the Lab | S.No. | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|---|
| UG LABORATORIES 2 Numbers | 1 | Kemi hot air oven | 4 |
| | 2 | Kemi hot plate rectangular | 1 |
| | 3 | Essae electronic weighing scale | 1 |

| | | | |
|---|---|---|---|
| Each 87.36m$^2$ | 4 | Infrared moisture balance | 1 |
| | 5 | Seed display boxes | 100 |
| | 6 | All glass double distillation unit | 1 |
| | 7 | Bimetallic thermograph | 1 |
| | 8 | Hair hygrograph | 1 |
| | 9 | Soil tensiometers | 5 |
| | 10 | Cutthroat flume | 2 |
| | 11 | Infrared moisture balance | 1 |
| | 12 | Parshal flume (capacity 2 cusecs) | 1 |
| | 13 | V notch $90^0$ | 1 |
| | 14 | Infiltrometer | 2 |
| | 15 | Zeal max. & min. thermometer | 5 |
| | 16 | Hygrometer dial type | 1 |
| | 17 | Digital thermohygrometers | 5 |
| | 18 | Digital multistem thermometers | 5 |
| | 19 | Soil augars (Tube type) | 10 |
| | 20 | Taiwan sprayers | 1 |
| | 21 | Crow bars | 3 |
| | 22 | Hand hoes | 30 |
| | 23 | Line markers | 5 |
| | 24 | Peddle Thresher | 1 |
| | 25 | Amarajyothi water filter | 1 |
| | 26 | G.I. seed boxes 34x23x23 | 5 |
| | 27 | Seed storage bins (steel rice bins) | 3 |
| | 28 | Spring balance 10 kg | 1 |
| | 29 | Moisture Box | 100 |
| | 30 | Steel seed bins 5kg | 30 |
| | 31 | Steel seed bins 4kg | 25 |
| | 32 | Steel seed bins 3kg | 20 |
| | 33 | Steel seed bins 2kg | 20 |
| | 34 | Steel seed bins 1kg | 10 |
| | 35 | Steel seed bins 0.5kg | 10 |
| | 36 | Weeding fork | 100 |
| | 37 | Spades | 50 |
| | 38 | Sickles | 83 |
| | 39 | Likkis | 100 |
| | 40 | Farmate sprayer (1.5 lit capacity) | 4 |
| | 41 | *Dantis* | 10 |
| | 42 | Rakers | 10 |
| | 43 | Taiwan sprayer | 1 |

| | | | |
|---|---|---|---|
| | 44 | *Khurpi's* | 100 |
| | 45 | Maruti Foot sprayer | 1 |
| | 46 | Ganesh hand sprayer (Aspee) | 1 |
| | 47 | Hand compresison sprayer (6l) | 1 |
| | 48 | Hand compresison sprayer (4l) | 1 |
| | 49 | Hand hoes | 40 |
| | 50 | Small spades | 40 |
| | 51 | water cans | 4 |
| | 52 | Plastic planting rope | 10kg |
| | 53 | Small tubs | 20 |
| | 54 | *Khurpa* SPK1200 | 40 |
| | 55 | Sickle SPS-3040(W) | 30 |
| | 56 | Iron pegs | 40 |
| | 57 | Hand cultivator-FCHW-3066 | 10 |
| | 58 | Garden Hoe-200 | 4 |
| | 59 | Garden hoe-100 | 4 |
| | 60 | Rake FRWH-12 | 6 |
| | 61 | Rake-FRWH-16 | 6 |

**AGRICULTURAL ECONOMICS**

| Name of the Lab | S.No. | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|---|
| LAB-01 | 1 | Computers | 2 |
| | 2 | Camera | 1 |

**AGRICULTURE EXTENSION**

| Name of the Lab | S.No. | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|---|
| UG LABORATOY | 1. | Loud Speakers | 2 |
| | 2. | Sound columns | 8 |
| | 3. | Microphone Stand ( 6'-1" DGN ) | 6 |
| | 4. | Avitrol Audio- Visual Trolly | 1 |
| | 5. | Amplifier SSA-125EM Ahuja | 1 |
| | 6. | BT H Horns Ahuja | 2 |
| | 7. | Driver Units Ahuja TX (AU-40-T) | 2 |
| | 8. | Videocon VCP Model BE | 1 |
| | 9. | V Guard Stablizer 2 KV | 1 |
| | 10. | Panasonic Video Camera M-3500 | 1 |

**ENTOMOLOGY**

| Name of the Lab | S.No. | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|---|
| UG LABORATORY 2 Numbers | 1. | Binocular Microscope | 20 |
| | 2. | Olympus stereoscopic binocular microscope | 09 |
| | 3. | Insect box | 60 |
| | 4. | Insect Storage Box | 750 |
| | 5. | Setting boards | 1000 |
| | 6. | Kiosk for Digital Display of insect s specimen | 01 |
| | 7. | Insect Collection Nets | 60 |
| | 8. | Insect Collection Nets | 300 |
| | 9. | Collection Bottles | 60 |
| | 10. | Collection Bottles | 750 |
| | 11. | Insect Collection Big Boxes for Museum | 29 |
| | 12. | Insect Collection Big Boxes for Museum | 50 |
| | 13. | Insecticides | All groups |
| | 14. | Stereomicroscope | 01 |
| | 15. | Trinocular stereo Research Microscopes & Accessories | 03 |
| | 16. | Labomed Stereo Microscope | 02 |
| | 17. | Electronic balance | |
| | 18. | Electronic digital balance BL 220 | 01 |
| | 19. | Shimadzu Electronic balance Mode AU X220 Cap 220 mg | 01 |
| | 20. | Soxhlet extraction apparatus | |
| | 21. | Soxhlet extraction mantle – 500ml | 01 |
| | 22. | Bee keeping equipment | 01 set |
| | 23. | Bee Hive Boxes | 04 |
| | 24. | Honey extractor | 01 |
| | 25. | Bee veil | 01 |
| | 26. | Oven | 2 |
| | 27. | Godrej micro wave oven(17L) | 01 |
| | 28. | Hot air oven Kemi make | 01 |
| | 29. | Potters tower | 01 |
| | 30. | Potter spray tower | 01 |
| | 31. | Sprayers | |
| | 32. | Aspee ganesh air compression steel Sprayers (hand operated: 1lt capacity) | 02 |
| | 33. | Light traps | |

| | | | |
|---|---|---|---|
| | 34. | Fumigation chamber | 01 |
| | 35. | Fumigation chamber | 01 |
| | 36. | Burrow fumigator | 01 |
| | 37. | Slides/cover slips | Many |
| | 38. | pH meter | 01 |
| | 39. | pH meter digital | 01 |
| | 40. | Computer with printer | 04 |
| | 41. | Personal computer HCL Infinite BL | 02 |
| | 42. | Lenovo Desktop Computer | 02 |
| | 43. | Del Desktop | 01 |
| | 44. | HP Compaq computer system | 01 |
| | 45. | Acer Computer | 01 |
| | 46. | LG LCD Monitor 19" | 01 |
| | 47. | Laptops | |
| | 48. | HCL Infinity Powerlite 9100 (Lap top Computer) | 01 |
| | 49. | Dell Inspirion 5341 Laptop AMD a6 6310 Processor 4 GB Ram | 01 |
| | 50. | Printers/scanners | |
| | 51. | HP Laser Jet M 1005 MFP | 01 |
| | 52. | Hp colour laserjet: 2605 series | 01 |
| | 53. | HP Laser jet printer Model No. 1018 | 01 |
| | 54. | HP P 1008 Printer | 01 |
| | 55. | Samsung SCX 3401 Printer | 01 |
| | 56. | HP Scanner G 4010 | 01 |

**GENETICS & PLANT BREEDING**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| UG LABORATORY 1 GENETICS LAB 53 x 39 ft. | Monocular microscopes | 57 | For conducting Genetics practicals – Used for cell division practicals, identification of different Mitotic and Meiotic phases |
| | Binocular microscopes | 3 | Used for Mitosis and Meiosis practicals |
| UG LABORATORY 2 | Dissecting microscopes | 20 | For conducting Plant breeding, crop improvement I and Crop improvement – II practicals – |

| | | | |
|---|---|---|---|
| PLANT BREEDING & SEED TECHNOLOGY LAB | | | Used the microscopes for dissecting small flowers (Graminaea members) |
| | Electronic DJ seed moisture meter | 5 | For seed moisture estimation (field and vegetable crops) |
| | Electronic balance | 2 | Physical purity analysis - For weighing of seed |
| | Seed germinator | 1 | For conducting germination/ vigour tests of seed ( field crops and vegetable crops) |
| | Automatic seed / grain counter | 1 | Physical purity analysis - For counting the number of seeds in the given sample |
| | Digital moisture meters | 2 | For seed moisture estimation (field and vegetable crops) |
| | Flexible armed illuminated magnifier | 1 | To separate the pure seed from the seed sample |
| | Parkhi/ triers | 3 | To take the primary sample from the seed lot |
| | Grain vernier | 1 | For measurement of Grain length / breadth |
| | Seed Divider | 1 | For obtaining working seed sample |
| | Wooden square sieve set | 1 | Preparation of seed samples for purity analysis and to determine the uniformity of seed size. |
| | Advanced seed analysis kit | 1 | To carry out physical purity analysis |
| | Portable humidifier | 1 | To maintain relative humidity in tissue culture lab/ biotechnology lab/AELP Mushroom production unit |

**HORTICULTURE**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| UG | Hand Refractometer | 4 | To measure TSS content in |

| | | | |
|---|---|---|---|
| LABORATORY (Post harvest) As per ICAR Guidelines | | | fruits |
| | Digital Refractometer | -- | -- |
| | Oven | -- | -- |
| | Refrigerator | 1 | For storage of fresh and processed fruits and vegetables |
| | Electronic weighing balance | 1 | Weighing |
| | Pan balance (1kg and 10 kg capacity each) | 1 | Weighing |
| | Deep freezer | -- | -- |
| | pH meter | -- | -- |
| | Fruit crusher | -- | |
| | Grinding and mixing machine | 2 | To make pulp and juices for preparation of value added products |
| | Distillation assembly | 1 | Essential oil extraction |
| | Physical balance | 1 | Weighing |
| | Juice squeezers | 8 | Extraction of juice |
| | Crown corking machine | 1 | Capping |
| | Can sealing machine | 1 | Sealing the bottles |
| | Pineapple puncr | 1 | Juice extraction |
| | Homogenizer | 1 | Mixing the contents |
| UG LABORATORY 2 As per ICAR Guidelines | Seed germinator | -- | |
| | Grafting and budding knife | 40 | Propagation |
| | Secateurs | 1 | Cutting the twigs |
| | Saw | 1 | Cutting the woody branches |
| | Loppers | 1 | Cutting the branches located at higher positions |
| | Mist chamber | -- | |
| | Poly house with drip irrigation system | -- | |
| | Microscope | 1 | To visualize the samples |
| UG LABORATORY 2 (UG lab) Additional equipments | Sickles | 10 | Weeding and harvesting |
| | Hedge shear | 2 | Cutting the hedges |
| | Garden rake | 1 | Weeding |
| | Shovel | 1 | Digging the soil |
| | Spades | 11 | Digging the soil and formation of bunds |

| | | | |
|---|---|---|---|
| | Pick axe | 3 | Breaking of hard soil and clods |
| | Garden sword | 1 | Weeding |
| | Hand cultivator | 6 | Weeding |
| | Khurpi | 2 | Weeding |
| | Tree caliper (100 cm) | 1 | Measuring the diameter of trees |
| | Tree calipers (75 cm) | 1 | Measuring the diameter of trees |

**SOIL SCIENCE & AGRICULTURAL CHEMISTRY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| UG- 1 Laboratory 1550 sq.ft | 1.Hot air oven | 1 | Drying of glassware, soil, plant samples |
| | 2.Yoder's Apparatus | 1 | Soil Wet aggregate analysis purpose |
| | 3. Distilled water set | 1 | For distilled water |
| | 4. Keen cups set | 1 | Water holding capacity of soil sample |
| UG- 2 Laboratory 1900 sq.ft | 1. Weighing Balance | 1 | Weighment of chemicals and analytical matters like soil, plant , manure & fertilizers |
| | 2.pH meter | 1 | To estimate pH of soil, water & manures |
| | 3.EC meter | 1 | To estimate EC |
| | 4.Flame photometer | 1 | To estimate K, Na |
| | 5. Spectrophotometer | 1 | To estimate P, S |
| | 6.Rotory shaker | 1 | Shaking of soil samples |
| | 7.Strirrer | 1 | Stirring of soil samples for Mechanical analysis |
| | 8.Pressure plate Apparatus | 1 | To determine soil moisture at different pressures |
| | 9.Double ring Infiltrometer | 1 | To determine infiltration rate of soil |
| | 10.Cone Penetrometer | 1 | Resistance of soil |

| | | | |
|---|---|---|---|
| | 11.Glass MacroKjeldhal distillation set | 1 | Nitrogen estimation of soil |
| | 12. Glass MicroKjeldhal distillation set | 1 | Nitrogen estimation in plant samples |
| | 13. Water bath | 1 | Heating of samples |

**PLANT PATHOLOGY**

| Name of Lab | Name of the Equipment | Numbers | Purpose |
|---|---|---|---|
| Plant Pathology 54' x 38' = 2052 sq ft | Microscopes | 75 | Every student will be given a microscope to handle in practicals |
| | Stereo binocular | 5 | Used for nematological observations |
| | Sample processing board | 1 | For dry preservation of specimens |
| | Wet preservation jars | 100 | For wet preservation |
| | Autoclave | 2 | For sterilization of apparatus and media |
| | Oven | 1 | For dry heat sterilization |
| | Deep freeze | 1 | For preservuing molecular biology chemicals |
| | Centrifuge | 1 | To partially purify samples / sedimentation |
| | Refrigerator | 1 | For temporary preservation of cultures |
| | Water bath | 2 | For incubation at 30-50$^{O}$C |
| | Electronic balance | 2 | For analytical work |
| | Weighing balance | 1 | For media preparation |
| | Incubator | 2 | For incubation of cultures |
| | Occular meters | 5 | For micrometry |
| | Stage micrometers | 5 | For micrometry |
| | Camera lucida | 5 | For microscopic drawings |

**CROP PHYSIOLOGY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| UG Lab 400 Sq.ft | Electronic Balance | 1 |
| | Microscope | 56 |

| | | |
|---|---|---|
| | Digital pH meter | 3 |
| | EC meter | |
| | Digital visible Spectrophotometer | 1 |
| | Planimeter | 12 |
| | LCD Projector | 1 |
| | Minigel Electrophoresis | |
| | Lux meter | 1 |
| | Temparature sensor | 1 |
| | Digital thermal hygrometer | 1 |
| | Dissolved oxygen analyser | 1 |
| | ICES Hot air oven | 1 |
| | Digital conductivity meter | 1 |
| | Laser pointer torch | |
| | Slide projector | 1 |
| | Top pan balance | 1 |
| | Hot plate | 1 |
| | Meter scale-teak wood | 22 |

**STATISTICS & COMPUTER APPLICATIONS**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| UG Computer Lab<br>1200 sq.ft | Desktop Computers<br>5 KVA UPS<br>LCD Projectors | 60<br>2<br>2 | Semester Final Practical exam is only on Skill Test |

**BIOCHEMISTRY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| Bio chemistry Lab 1 | Hot plate rectangular 30x45 cm | -01- | For heating the samples in a slow manner |
| | Incubator | -01- | Maintain controlled conditions for cell cultures |
| | Electrophoresis unit-vertical model | -01- | Analytical tool to separate and identify different biomolecules |
| | Laboratory blender | -01- | To blend different samples, especially during extraction procedures |

| | | | |
|---|---|---|---|
| | Cyclomixer | -01- | To mix small vials of liquids in a quickly oscillating circular motion, during biochemical experiments |
| | Paper chromatography equipment | -01- | To separate and identify dissolved chemical substances in sample |
| | Spectrophotometer - Systronics | -01- | To measure concentration of various biomolecules |
| | Centrifuge -Model R-24 | -01- | Used to separate particles dispersed in a liquid according to their molecular mass, used for purification process |
| | Water distillation unit | -01- | Production of distilled water for various experiments |
| | Water bath-6 holes | -01- | Used to incubate experiment samples in water at a constant temperature over a long period of time |
| | Digital $P^H$ Meter | -01- | Electric device used to measure acidity or alkalinity in solution. |
| Bio chemistry Lab 2 | U.V Visible Spectrophotometer | -01- | For quantitative determination of different analytes |
| | Soxhlet extraction apparatus | -01- | For extracting valuable biochemical compounds with the help of various solvents |
| | Homogeniser(5000RPM) | -01- | To aid disruption and mixing of cells i.e., used to blend chemical and biological samples |
| | Heating mantle | -01- | Safe heating for organic solvents; used along with soxhlet extraction apparatus |
| | Refrigerator | -01- | To store chemicals and to cool samples during experiments |
| | Thin layer chromatography | -01- | To separate and identify dissolved chemical substances in sample |

## COLLEGE FARM:

The Agricultural College Farm was initially started in 1945 on a leased land at Machavaram Village, 17 Km away from Agricultural College, Bapatla for a period of five years. It was later shifted to the present location in the year 1950 having an area of 176 ha. Cashew Research Station and Gram Sevak's Training centre were allotted 60 ha. The present total area of the farm is 116 ha. It is situated at an altitude of 5 m above mean sea level at 80º 30' E longitude and 15º 84' N latitude and 8 km away from the Bay of Bengal and 3 km away from Agricultural College campus. The soils of the college farm vary from sandy soils of coastal belt to black soils of deltas.

**The mandate of farm: -**

- Imparting practical knowledge and skills in cultivation of crops to the students of agriculture.
- Providing research facilities to the Post-graduate students of agriculture.
- Foundation seed production of rice varieties.
- Maintenance of Crop Cafeteria and Technology demonstrational plots.

The farm was divided into 5 blocks for administrative convenience *viz*., Wetland block, Northern block, Orchard block, Southern block and Yard block. Each block is under the control of one farm manager.

| **Details of various field facilities** | **Area (Ha)** |
|---|---|
| Total Farm area | 116.00 |
| Agroforestry | 3.81 |
| Cultivable area (Wet + ID + Aqua) | 66.71 |
| Wet | 48.29 |
| I. D | 18.42 |
| Aquaculture | 07.95 |
| Roads, buildings, canals, etc., | 19.53 |
| IMD + Forest Department | 1.40 |
| ARS + SWS(Agril.Research Station & saline Water scheme) | 24.55 |

**Block wise area**

| Type | Area (Ha) | Speciality to conduct Instructional / Research / Hand-on training etc., for students |
|---|---|---|
| Northern Block | 33.58 | UG: Practicals are usually conducted in southern block of college farm by raising field crops. They are also involved in various field operations in progress in the farm<br>PG & Ph.D: Experiments are conducted in different blocks of the college farm as per the requirement of land for different crops taken up by the students. Every year, approximately 9 to 10 ha area is allotted for PG & Ph.D trials |
| Southern Block | 28.15 | |
| Wetland Block | 4.00 | |
| Orchard Block | 9.22 | |
| Godowns & stores | 1.58 | |

**Manpower (Permanent)**

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| **FACULTY** | | | | |
| 1 | Farm Superintendent - Senior Scientist (Agro) & Head | 1 | 1 | - |
| 2 | Farm Manager-Scientist/ Asst.Professor | 5 | NIL (At present) | The staff from Department of Agronomy are deputed to assist |
| **NON-TEACHING STAFF** | | | | |
| 1 | Agril.Officer | 1 | 1 | NIL |
| 2 | Technical Asst. | - | 1 | |
| 3 | Agricultural Extension Officer | 5 | 6 | |
| 4 | JACT | 1 | 1 | NIL |
| 5 | JACT, Stores I/c | - | 1 | - |
| 6 | Typist | 1 | NIL | 1 |
| 7 | Tractor Driver | 1 | 1 | NIL |
| 8 | Office Subordinate | 1 | 1 | 1 |
| 9 | Record Assistant | 2 | 1 | 1 |
| 10 | Cleaner | - | 1 | 1 |

**Manpower (Contractual including Daily wages workers, labour etc.,)**

| S.No | Type of Manpower | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Agricultural workmen (AWM)(Men & Women) | 31 | All the persons are engaged daily for various activities like Watch & ward, other farm activities like irrigation in orchard block, field operations in paddy seed production plots, PG & Ph.D student experiments etc., |
| 2 | Time scale employees (Men & Women) | 87 | |
| 3 | On work Contract basis (Men & Women) | 9 | |

**List of Equipments available at Farm**

| S.No | Name of the Equipment | Numbers | Purpose |
|---|---|---|---|
| 1 | Tractors | 2 no. | For all ploughing purposes and also transport of material with the available trailer |
| 2 | Combine harvester | 2No | For harvesting and threshing of Paddy seed production plots in College Farm. Only one is in working condition |
| 3 | Paddy Seed grader | 1 No. | For paddy seed processing |
| 4 | Paddy seed cleaning and grading machine | 1 No | To be installed. It is for processing of paddy seed |
| 5 | Rice planter (Kuboto)& nursery trays | 1 No | For machine transplanting of Paddy |
| 6 | Paddy seeding machine | 1 No | Seeding paddy in trays for machine transplanting |
| 7 | Soil pulveriser | 1 No | To pulverise the soil for paddy seeding in trays for machine transplanting |
| 8 | Post hole digger | 1 No | For digging holes for planting saplings of various trees |
| 9 | Laser guided land leveller | 1 No | For levelling the fields |
| 10 | Rotovator | 2 No | For obtaining fine tilth of soils |
| 11 | Cultivator-9 tyne | 2 No | Secondary tillage operations |
| 12 | Cage wheels | 3 pairs | For puddling purpose in paddy fields |
| 13 | Disc plough | 1 No | For primary tillage |

| | | | |
|---|---|---|---|
| 14 | Disc harrow | 1 No | For secondary tillage |
| 15 | Mouldboard plough | 1 No | For primary tillage |
| 16 | Power sprayers | 5 No | For spraying various herbicides and pesticides |
| 17 | Wheel hoes | 15 No | For intercultivation |
| 18 | Seed cum fertiliser drill | 2 No | For direct seeding and fertiliser application |
| 19 | Chaff cutter | 1 No | For cutting grass into pieces |

## 6.4.5 CONDUCT OF PRACTICAL AND HANDS-ON TRAINING

**BACHELOR OF SCIENCE (HORNOURS) AGRICULTURE:**

The Agricultural College, Bapatla had its genesis in the year 1945. Since its inception, the college had assumed responsibilities of providing agricultural education and technologies with rectitude enthusiasm. The undergraduate program, B.Sc. (Agriculture) of 4 years tenure was offered in the college with a primary focus on training the students on the real-world research and practices in agricultural science, dealing with disciplines like Agronomy, Genetics and Plant Breeding, Soil Science, Entomology, Plant Pathology, Crop physiology, Economics, Extension, statistics and computer applications, Horticulture and Biochemistry.

Conducting practical's by involving the students is given the topmost priority with the share of 40% of the course work. The practicals were being conducted in the well-equipped laboratories present in the respective departments. Theory classes were being taken in the classrooms with all the audio-visual aids by dividing the students into batches. The students were selected and were sent to various institutes under the international development program (IDP) and were trained in the various national institutes under the national development program (NDP).

Comprehensive knowledge of usage of seeds, fertilizers, herbicides, insecticides, fungicides, and growth hormones along with the mode of calculations to various field conditions was imparted to the students. Besides, they were also involved in handling agricultural implements like sprayers, tractors, cultivators, etc. The hands-on training was given to the students in interpreting the meteorological data, GPS, emasculation and pollination procedures, observing the structure and modifications of different parts

of insects, sampling of insects, detection, and diagnosis of various pests and diseases of agricultural and horticultural crops. Each student was individually involved in using computers and statistical tools.

For improving the farming and entrepreneurial skills of students, they were involved in the rural agricultural work experience program (RAWEP) and experiential learning program (ELP). Enhancement of leadership skills was being done by involving students in national cadet corps (NCC) and national service scheme (NSS). Practical exposures were being given by taking the students to the research stations, agricultural and horticultural farms, and various government organizations and making them interact with the farmers by conducting short surveys. A gym and sports complex with a good indoor stadium was being provided to the students for involving them in various indoor and outdoor games. Every year competitions were being conducted at the college level for sports and cultural events for improving the abilities of the students.

**THE DEPARTMENT-WISE INFORMATION ON CONDUCT OF PRACTICAL AND HANDS-ON TRAINING IS PRESENTED BELOW IN BRIEF:**

**AGRONOMY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Comprehensive knowledge on packages of practices utilizing both manual and machinery from seed to seed is imparted practically involving physical participation of students in important agricultural operations. Information on weather parameters, use of Agro-Meteorological equipment and their computation, measurements, tabulation, determination, usage of GPS etc. are disseminated with rectitude enthusiasm. Identifying forest trees, seed specimens, and use of measuring equipment besides involving them in crop production technology from seed to seed virtually by raising of demonstration plots.<br>Hands on training on irrigation management strategies by systematic planning of field visits, determination of water constants and exposure to live functioning of sprinkler and drip device was being given to the students. |

**AGRICULTURAL ECONOMICS**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students were involved in socio-economic surveys, farm holding surveys, market surveys, collecting the data from financial institutions, cooperatives societies, analysing and report writing. Agricultural Consultancy and Food Retailing aspects were being learnt under Experiential Learning Programme (ELP) |

**AGRICULTURE EXTENSION & COMMUNICATION**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students are getting cent percent desired practical and hand-on training as per the curriculum. They are exposed to rural society, village institutions, extension organisations, successful entrepreneurs. |

**ENTOMOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | First year students are given very good hands on training in collection, identification and preservation of insect specimens, observations on structure and modifications of different parts of insect. They are being trained in dissection of mouth parts, digestive and reproductive systems.<br>Second year students are getting hands on training in sampling of insects, mass rearing of bio agents, various Plant protection techniques, calculations of pesticide dosages.<br>Third year students are being give very good hands on training in identifications of various insect and non-insect pests and symptoms of damage on field crops, horticultural crops, Sericulture, Apiculture and mass production of bio agents<br>Final year students are being trained through RAWEP and AELP. |

**GENETICS & PLANT BREEDING**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | GPBR- 111 – Hands on training with respect to different stages of mitosis and meiosis cell division process. Slide preparation and identification of different microscopes, their parts and functioning demonstration.<br>GPBR – 211, 311 & 312 – Hands on training on floral biology, flower |

| | |
|---|---|
| | structure, emasculation and pollination procedures in lab and field. Exposure visits to different research stations with respect to procedures being adopted for specific crop improvement.<br>GPBR – 314 – Hands on training on seed purity testing in addition to viability, vigour tests. Visit to seed production plots, seed processing units, APSSDC and APSSCA labs for exposure regarding seed production and tests for confirmation of purity and seed health. |

**HORTICULTURE**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students were given knowledge on packages of practices of different vegetable, fruit, flower, spices and plantation crops. They were also involved in designing the landscapes. Visitis to farmer's fields and research stations as and when required for their filed level exposure on cultivation practices adopted in various horticultural crops. |

**SOIL SCIENCE AND SGRICULTURAL CHEMISTRY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students can get the information about basic concepts in chemistry part, soil, water and fertilizer sample analysis in a superficial manner |

**PLANT PATHOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Frequent field visits are being organized to expose students to various diseases in fields situated around Bapatla campus (Guntur Dt). They are al;so being trained in detection and diagnosis of various plant diseases caused by fungi, bacteria and viruses. |

**CROP PHYSIOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | Students gain adequate practical knowledge on how to prepare required concentration of nutrient & hormonal solutions and in seed physiology aspects like dormancy breaking, seed vigour & viability. Students also acquainted real time practical knowledge in the identification of nutrient deficiency symptoms in the field |

**STATISTICS AND COMPUTER APPLICATIONS**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| UNDER GRADUATION | All students are being trained in the Computers using Windows Operating System with Microsoft Office (Word, Excel, Power point and Access). Advanced statistical tools available in Excel through Data Analysis option is being explained and all the students are learning those techniques. |

**BIOCHEMISTRY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| B.Sc | Comprehensive knowledge on various pathways involved in growth cycle of plants was imparted to the students. They were involved in analysing the carbohydrates, lipids, starch, proteins, and amino acids. Students were also involved in analysing various enzymatic activities in plant samples. |

## 6.4.6 SUPERVISION OF STUDENTS IN PG/Ph.D POGRAMMES:

**Not Applicable**

## 6.4.7 FEEDBACK OF STAKE HOLDERS

In the Agricultural College, Bapatla every year it is a mandatory by the concern course in charge to get the feedback through feedback form, and after analysis they came to know the SWOT so as to improve and meet the requirements of the students for each and every course. In addition to that a separate questionnaire was prepared during the year 2019 – 2020 to get the feedback from the B.Sc (Ag.) students on 10 important questions related to the college activities. A five-point scale was adopted to get the correct unbiased information through a questionnaire prepared for that purpose.

The data reveals that majority of the students were satisfied with the staff, facilities, Examination system, College environment, drinking water facility etc., For all the questions around 80 percent of the students are expressed their opinion positively.

## 6.4.8 STUDENT INTAKE AND ATTRITION IN THE PROGRAMME FOR LAST 5 YEARS

| Name of the Programme | Sanctioned Strength | Actual Number of students admitted in the last 5 years | | | | | Attrition (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2015 | 2016 | 2017 | 2018 | 2019 | 2015 | 2016 | 2017 | 2018 | 2019 |
| B.Sc. (Hons.) Ag. | 240 | 215 | 238 | 250 | 257 | 276 | 2.8% | 2.1% | 1.6% | 1.5% | 6.1% |

## 6.4.9 ICT APPLICATION IN CURRICULUM DELIVERY

The Agricultural College, Bapatla is having a 40 MBPS Broad band connectivity with unlimited Internet facility to the Staff and Students. The Wi-Fi facility was extended to all the ug/ PG/ Ph.D students of both Boys and Girls Hostels. This facility was given by the Government of India through National Mission for Education (NME Connection by the BSNL).

The Undergraduate Theory as well as the Practical classes are being taken by the Teacher using LCD projectors. All the departments are having Touch Screen LCD facility to explain the concepts easily understandable to the students. All the staff were well trained using MS- Office (word, Excel, Power point) modules and with the help of LCD projectors they are using Slide presentations wherever is required.

Under Institutional Development Plan (IDP) – NAHEP, two class rooms were made as Virtual Class room facility having Wi-Fi connectivity to all the participants with 20 KVA UPS Backup.

The College is maintaining its own college website to cater the needs of the students by providing the study material, News, timetables, other academic related information to all the students.

The College is also having the National Scientific Journal i.e "The Andhra Agricultural Journal" having the NAAS Rating of 4.14 under the Society of The Andhra Agricultural Union established in the year 1954. The Journal is publishing the Articles of the M.Sc and Ph.D students Research work carried during their study period. The Journal is having open source online facility.

The Agricultural College is having a Student Knowledge Centre with Digital Library, CAB Abstracts, CeRA, Xeroxing facilities. Which is catering the needs of all UG/PG and Ph.D students with its advanced technology.

The College is also having its own Alumni website separately as www.bapatlaagricos.org to bring its alumni together in a single flat form to improve facilities, to share the knowledge and to support the overall development of the college.

## 6.4.12 CERTIFICATE

**I, the Associate Dean, Dr. G. Ramachandra Rao, hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding University.**

**Date: 14-September-2020**



Signature of the Associate Dean
ASSOCIATE DEAN
AGRICULTURAL COLLEGE
(ANGR. Agril. University)
BAPATLA-522 101

**ACCREDITATION (SELF STUDY REPORT) COMMITTEE**

| | | |
|---|---|---|
| **CHAIRMAN** | **:** | **Dr. P. V. Krishnayya**<br>**Professor & University Head (Entomology)** |
| **CONVENOR** | **:** | **Dr. Cherukuri Sreenivasa Rao**<br>**Professor (Entomology)** |
| **MEMBERS** | **:** | **Dr. Ch. Sujani Rao**<br>**Professor (Soil Science & Agricultural Chemistry)** |
| | | **Dr. B. Aparna**<br>**Assistant Professor (Agricultural Economics)** |
| | | **Sri. N. Kiran Kumar**<br>**Assistant Professor (Plant Pathology)** |

# SELF STUDY REPORT
*for*
# ACCREDITATION OF PROGRAMMES

# Master of Science in Agriculture
# M.Sc. (Agri)

**Acharya N. G Ranga Agricultural University**
**AGRICULTURAL COLLEGE**
**BAPATLA-522101**
**GUNTUR DISTRICT, ANDHRA PRADESH**

# AGRICULTURAL COLLEGE
# BAPATLA
# CELEBRATING 75 YEARS
# PLATINUM JUBILEE YEAR
# (Founded on 16th July, 1945)

*"Cultivate faith with seeds of vision to yield fruits of action"*

*Sir S. V. Ramamurthi, I.C.S*

*Advisor to the Governor of the erstwhile Madras State*

*One of the founder visionaries of Agricultural College, Bapatla on its foundation day, 16-07-1945*

# OUR MISSION

As a constituent College of Acharya N. G. Ranga Agricultural University (ANGRAU) and in tune with the ANGRAU's Vision 2020 Strategic Plan Document, the mandated mission statements of this College are:

- Education — To train the manpower needed for agricultural development of the State of Andhra Pradesh.
- Research — To constantly improve and generate technologies for increasing production in agriculture.
- Extension — To assist through the development departments of the Government, in the process of dissemination of the improved technologies to the farmers of Andhra Pradesh

**ANGRAU's Mission statement**

**"Making Agriculture Profitable"**

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## 6.4.1 BRIEF HISTORY OF THE PROGRAMME

### MASTER OF SCIENCE IN AGRICULTURE: M.Sc (Ag.)

Post-graduate programmes were initiated at Bapatla in Genetics and Plant Breeding in 1968, and Entomology and Soil Science and Agricultural Chemistry in 1970. Subsequently the Post-graduate programmes were started in Agricultural Economics in 1976, in Plant Physiology in 1978, in Agronomy and Plant Pathology in 1982, Extension education in 1984 and in Horticulture in 1986. The Master of Science programmes in other departments were also started in other departments during the course of time.

**POSTGRADUATE PROGRAMMES OFFERED IN VARIOUS DEPARTMENTS AND YEAR OF INCEPTION OF THE PROGRAMMES.**

| S.No | Dame of the Department | Year of Starting |
|---|---|---|
| 1. | Agronomy | 1982 |
| 2. | Agricultural Economics | 1976 |
| 3. | Agriculture Extension & Communication | 1985 |
| 4. | Entomology | 1970 |
| 5. | Genetics & Plant Breeding | 1968 |
| 6. | Horticulture | 1986 - 2005 |
| 7. | Soil Science and Agricultural Chemistry | 1970 |
| 8. | Plant Pathology | 1982 |
| 9. | Crop Physiology | 1978 |
| 10. | Statistics and Computer Applications | 2010 |

**The following goals are set for this college keeping in view the vision and mission of the University and College.**

**Long Term Goals**

1. Making Agriculture in Andhra Pradesh viable and profitable through quality education in Agricultural Sciences.
2. Developing qualified and competent human resources for the emerging new trends in Agriculture.
3. Making Agriculture sustainable in the changing global climatic scenario.
4. Ensuring efficient transfer of the latest technology to the farmers.

**Short Term Goals**

1. Providing agricultural education mainly to the rural people in the State of Andhra Pradesh in Agriculture.
2. Improving the quality and relevance of undergraduate and postgraduate education by strengthening UG and PG curricular and research programmes.
3. Creating professional development opportunities for teachers through exposure to recent advances and teaching capabilities.
4. Training human resources in core and emerging areas by introducing new courses / programmes.
5. Providing international / global exposure to students and faculty.
6. Creating entrepreneurial skills and to encourage interaction with business leaders and agribusiness trade and industry.
7. Training youth and women to acquire practical skills and enable them to serve as grass root level functionaries or entrepreneurs.

**Objectives**:

1. To create awareness and interest among the rural youth of Andhra Pradesh in Agriculture and Agricultural production.
2. To provide quality education at UG and PG level by adopting new course curriculum based on emerging trends in agriculture.
3. To impart rural work experience through RAWE programme and entrepreneurial skills through AEL programmes.
4. To create interest in the young minds towards research and development in Agriculture.
5. To equip the students to meet the changing trends in agriculture.
6. To carry out research by students based on the local agricultural problems by identifying the gaps in technology.

7. To encourage the students in taking up higher education at national and international institutes.
8. To develop ICTs for fast dissemination of information on farmer related problems.

## ACCOMPLISHMENTS:

The Master of Science in Agriculture was started in 1968, and 1852 students passed out with specialization in various subjects.

**Dr. M. V. Reddy, Professor, Department of Genetics & Plant Breeding developed rice variety BPT-5204 and release in 1980 as "Samba Mashuri"**

**"*The rice rains not grains, but coins*".**

## 6.4.2 FACULTY STRENGTH

### A. DIVISIONS / DEPARTMENTS

#### 1. AGRONOMY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1* CAS Prof | -- | 1 |
| 2 | Associate professor | 1 | 1* CAS Prof | -- | 1 |
| 3 | Assistant Professor | 9 | 3 Asst Prof (+3* CAS Prof) | 3 | 5 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. M. Martin Luther | Ph.D | Professor & Head | 33 Years | Soil fertility Management & Forestry | UG/PG/Ph.D |
| 2 | Dr. B. Venkateswarlu | Ph.D | Professor | 33 Years | water management, forage crops | UG/PG/Ph.D |
| 3 | Dr. P. V. N. Prasad | Ph.D | Professor | 33 Years | Nutrient management in cropping system, Rainfed farming& Watershed management | UG/PG/Ph.D |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Dr. K. Mosha | Ph.D | Professor | 31 Years | Integrated Nutrient Management & Crop production | UG/PG/Ph.D |
| 5 | Dr. K. Srinivasulu | Ph.D | Professor | | Weed Management | UG/PG/Ph.D |
| 6 | Shri. P. Venkata Rao | M.Sc | Assistant Professor | 33 Years | Crop production | UG |
| 7 | Ms. Ch. Naga Jyothi | M.Sc | Assistant Professor | 3 years | Organic farming & IFS | UG |
| 8 | Dr. K. Lakshman | Ph.D | Assistant Professor | 7years | Precision farming & Weed Management | UG/PG |

## 2. AGRICULTURAL ECONOMICS

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 2 | Nil | 2 | 0 |
| 2 | Associate professor | 1 | Nil | 1 | 1* (Incl Stat) |
| 3 | Assistant Professor | 4 | 4 | Nil | 5* (incl Stat) |

***Department of Statistics and Computer Applications is separately presented, as the College has separate Department of Statistics and Computer Applications***

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr K Suseela | Ph D | Assistant Professor and Head | 16 | Agricultural Production Economics | UG/PG/Ph.D |
| 2 | Dr B Aparna | Ph D | Assistant Professor | 6 | Agricultural Marketing | UG/PG/Ph.D |
| 3 | Dr V Sitarambabu | Ph D | Assistant Professor | 3 | Agricultural Marketing | UG/PG |
| 4 | Dr K Uma Devi | Ph D | Assistant Professor | 6 | Agricultural Production Economics | IDP work at Lam, Guntur |

## 3. AGRICULTURAL EXTENSION

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | -- | -- |
| 2 | Associate professor | 1 | 1* CAS Assoc Prof | -- | 1 |
| 3 | Assistant Professor | 4 | 1 (+1* CAS Prof) | 2 | 2+1 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. B. Vijayabhinandana | M.Sc(Ag.), Ph.D | Professor | 34 | Agril. Extension/Educational Technology | UG/PG/Ph.D |
| 2 | Dr. K. Ramadevy | M.Sc(Ag.), Ph.D | Professor | 22 | Agril. Extension/Training & Development | UG/PG/Ph.D |
| 3 | Dr. M. Srinivasa Rao | M.Sc(Ag.), Ph.D | Associate professor | 13 | Agril. Extension/Theory building, Entrepreneurship | UG/PG/Ph.D |
| 4 | Dr. V. Jyothi | M.Sc(Ag.), Ph.D | Assistant Professor | 10 | Agril. Extension/Information Communication Technology | UG/PG/Ph.D |

## 4. ENTOMOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1* CAS Prof | -- | |
| 2 | Associate professor | 1 | 1* CAS Prof | -- | 1 |
| 3 | Assistant Professor | 6 | 2 (+4* CAS Prof) | -- | 2 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr Ch. Chiranjeevi, | Ph. D | Prof & Head | 35 | IPM, vegetable and rice Entomology | UG, PG & Ph.D |
| 2 | Dr Ch. Sreenivasarao | Ph. D | Professor | 22 | Insecticide residues, Insect Physiology; Insecticide Toxicology | UG, PG & Ph.D |
| 3 | Dr T. Madhumathi | Ph. D | Professor | 22 | Storage Entomology, Ecology Insecticide Toxicology, | UG, PG & Ph.D |
| 4 | Dr G Rama Chandra Rao | Ph. D | Professor | 22 | IPM; Botanicals, Storage Entomology | UG, PG & Ph.D |
| 5 | Dr D. V Sai Ram Kumar | Ph. D | Professor | 21 | Bio Control | UG, PG & Ph.D |
| 6 | Dr C. Sandhya Rani | Ph. D | Professor | 18 | IPM in pulses, Groundnut, millets, | UG, PG & Ph.D |
| 7 | Sri R. Bala Muralidhar Naik | (Ph. D) | Asst Professor | 14 | IPM in rice and pulses, | UG & PG |
| 8 | Dr B. Ratna Kumari | Ph. D | Asst Professor | 07 | Insecticide Residues, Insecticide Toxicology | UG & PG |

## 5. GENETICS AND PLANT BREEDIG

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor (Direct) | 1 | 1* CAS Prof | -- | 1 |
| 2 | Associate professor (Direct) | 1 | 1 | -- | 1 |
| 3 | Assistant Professor | 7 | 3 (+1*CAS Prof) | 2 | 3 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. V. Satyanarayana Rao | Ph.D | Professor & Head | 34 | Genetics and Plant Breeding | UG, PG and Ph.D |
| 2 | Dr. T. Srinivas | Ph.D | Professor | 22 | Genetics and Plant Breeding | UG, PG and Ph.D |
| 3 | Dr. B. Vijaya lakshmi | Ph.D | Assoc. Professor | 17 | Seed science and technology | UG, PG and Ph.D |
| 4 | Mrs. M. Tushara | M.Sc. Ag, | Asst. Professor | 6 | Genetics and Plant Breeding | UG, PG |
| 5 | Dr. V. Roja | Ph.D | Asst. Professor | 6 | Molecular Biology and Biotechnology | UG, PG and Ph.D |
| 6 | Dr. T. Haritha | Ph.D | Asst. Professor | 3 | Genetics and Plant Breeding | UG, PG and Ph.D |

## 6. HORTICULTURE

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Associate professor | 1 | -- | 1 | 1 |
| 2 | Assistant Professor | 3 | 2 (+TA) | -- | 3 |

* Teaching Associate

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Smt. N. Ratna Kumari | Ph.D pursuing | Assistant Professor | 7 yrs 3 months | Horticulture (Vegetables) | UG |
| 2 | Dr. Y. Bindiya | Ph.D | Assistant Professor | 6 yrs 5 months | Horticulture (Vegetables) | UG |

## 7. SOIL SCIENCE AND AGRICULTURAL CHEMISTRY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | - | |
| 2 | Associate professor | - | - | 1 | |
| 3 | Assistant Professor | 8 | 4 Asst Prof (+*2 CAS Prof) | 2 | |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr.P.R.K Prasad | Ph.D | Professor & Head | 33 yrs 11 months | Remote sensing and GIS, and management of salt affected soils | UG, PG, Ph.D |
| 2 | Dr. A.Lalitha Kumari | Ph.D | Professor | 34 years | Soil fertility and nutrient management | UG, PG, Ph.D |
| 3 | Dr. Ch. Sujani Rao | Ph.D | Professor | 20 yrs 5 months | Soil fertility and water management | UG, PG, Ph.D |
| 4 | Dr.M.Latha | Ph.D | Assistant Professor | 13 yrs 11 months | Soil Fertility, Soil Physics & Pedology | UG, PG, Ph.D |
| 5 | Smt. A.J.Suvarna Latha | M.Sc(Ag) | Assistant Professor | 12 yrs 11 months | Soil fertility and nutrient management | UG, PG |
| 6 | Dr.P.Mohan Rao | Ph.D | Assistant Professor | 6 yrs | Soil fertility and nutrient management | UG, PG, Ph.D |
| 7 | Dr.P.A.Visalakshi Devi | Ph.D | Assistant Professor | 2 yrs 10 months | Soil Pedology | UG, PG, Ph.D |

## 8. PLANT PATHOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | Nil | -- |
| 2 | Associate professor | 1 | -- | 1 | 1 |
| 3 | Assistant Professor | 4 | 2 Asst Prof (+*2 CAS Assoc Prof) | Nil | 2 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. P. Anil Kumar | Ph D | Professor & Head | 23 | Biological control of plant pathogenic fungi | B. Sc. (Hons.) Agriculture, M. Sc. (Ag), and Ph.D |
| 2 | Dr. V. Prasanna Kumari | Ph D | Associate Professor | 19 | Mycology and Molecular Plant Pathology | B. Sc. (Hons.) Agriculture, M. Sc. (Ag), and Ph.D |
| 3 | Dr. V. Manoj Kumar | Ph D | Associate Professor | 13 | Virology and Molecular Plant Pathology | B. Sc. (Hons.) Agriculture, M. Sc. (Ag), and Ph.D |
| 4 | Sri Sk Abdul Salam | M Sc (Ag) | Assistant Professor | 6 | Plant Pathology, management of Fugal diseases | B. Sc. (Hons.) Agriculture |
| 5 | Sri N. Kiran Kumar | M Sc (Ag) | Assistant Professor | 3 | Fungal Pathology | B. Sc. (Hons.) Agriculture |

## 9. CROP PHYSIOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | - | 1 | -- |
| 2 | Associate professor | 1 | - | 1 | -- |
| 3 | Assistant Professor | 4 | 2 + (*2 CAS Prof) | - | 1 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. S. RATNA KUMARI | Ph.D. (Ag) | PROFESSOR (CAS) | 35 | Crop Physiology, stress physiology | M.Sc (Ag.) and Ph.D |
| 2 | Dr. K. JAYALALITHA | Ph.D. (Ag) | PROFESSOR (CAS) | 22 | Crop Physiology, stress physiology, nutriophysiology | B.Sc (Ag.), M.Sc (Ag.) and Ph.D |
| 3 | Dr. M. RAVI BABU | Ph.D. (Ag) | ASST. PROFESSOR | 10 | Crop Physiology, stress physiology, Plant Growth Regulators | B.Sc (Ag.), M.Sc (Ag.) and Ph.D |
| 4 | Dr. G. VIJAYA KUMAR | Ph.D. (Ag) | ASST. PROFESSOR | 6 | Crop Physiology, stress physiology, Seed Physiology | B.Sc (Ag.), M.Sc (Ag.) and Ph.D |

## 10. STATISTICS AND COMPUTER APPLICATIONS

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 0 | 1 | - | -- |
| 2 | Associate professor | 0 | 0 | - | -- |
| 3 | Assistant Professor | 4 | 3 | 1 | -- |

*As per ICAR guidelines, recommended strength of Economics includes Statistics.*

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr Srinivasa Rao Vatluri | Ph.D in Stat | Professor & University Head | 21 Y 8 Mon | Stochastic Modelling and Experimental Designs | UG/PG/Ph.D |
| 2 | Dr Srinivasulu Kotta | Ph.D in Stat | Asst. Professor | 6 Y 6 M | Regression Models/ Time Series / Design of Experiments | UG/PG/Ph.D |
| 3 | Dr Govinda Rao Sepana | Ph.D in Stat | Asst. Professor | 6 Y 6 M | Stochastic Modelling | UG/PG/Ph.D |
| 4 | Dr Ramesh Dhasyam | Ph.D in Agril. Stat | Asst. Professor | 3 years | Time Series & Forecasting | UG/PG/Ph.D |

## B. SECTIONS

### 1. ANIMAL SCIENCES including Dairy Sciences & Poultry Units

The college has no special animal sciences department.

### 2. AGRICULTURE ENGINEERING + FARM MANAGEMENT

The course components of Agricultural Engineering are dealt by the Staff of Dr. NTR College of Agricultural Engineering, Bapatla
There is no dedicated section for Agricultural Engineering.

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| **FACULTY** | | | | |
| 1 | Farm Superintendent -Senior Scientist (Agro) & Head | 1 | 1 | - |
| 2 | Farm Manager-Scientist/ Asst.Professor | 5 | NIL | The staff from Department of Agronomy are deputed to assist |

### 3. BIOCHEMISTRY Section

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Assistant Professor | -02- | 1 | 1 | 1 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Mrs M.Swapna | M.Sc, M.Phil | Assistant Professor | -06- | Plant Biochemistry | UG & PG |

## DEPARTMENT-WISE TOTAL STRENGTH OF FACULTY
## ABSTRACT

| S.No | Department | Sanctioned strength | | | | In-position (*including promoted under CAS) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Professor | Associate Professor | Assistant Professor | Total | Professor | Associate Professor | Assistant Professor | Total |
| 1 | Agronomy | 1 | 1 | 9 | 11 | 5 | - | 3 | 8 |
| 2 | Agricultural Economics | 2 | 1 | 4 | 7 | -- | -- | 4 | 4 |
| 3 | Agricultural Extension | 1 | 1 | 4 | 6 | 2 | 1 | 1 | 4 |
| 4 | Entomology | 1 | 1 | 6 | 8 | 6 | -- | 2 | 8 |
| 5 | Genetics & Plant Breeding | 1 | 1 | 7 | 9 | 2 | 1 | 3 | 6 |
| 6 | Horticulture | -- | 1 | 3 | 4 | -- | -- | 2 | 2 |
| 7 | Soil Science & Agricultural Chemistry | 1 | -- | 8 | 9 | 3 | -- | 4 | 7 |
| 8 | Plant Pathology | 1 | 1 | 4 | 6 | 1 | 2 | 2 | 5 |
| 9 | Crop Physiology | 1 | 1 | 4 | 6 | 2 | -- | 2 | 4 |
| 10 | Statistics & Computer Applications | -- | -- | 4 | 4 | 1 | -- | 3 | 4 |
| 11 | Farm Management | -- | 1 | 5 | 6 | -- | 1 | -- | 1 |
| 12 | Biochemistry | -- | -- | 2 | 2 | -- | -- | 1 | 1 |
| TOTAL | | 9 | 9 | 60 | 78 | 22 | 5 | 27 | 54 |

*The data does not include Associate Dean, Library, Physical Education, Physics, Botanical Garden.*
*The data does not include sanctioned posts of the college, which are redeployed to other places in University.*

## 6.4.3 TECHNICAL AND SUPPORTING STAFF (including the Farm and Field Workers)

### A. DIVISIONS / DEPARTMENTS

#### 1. AGRONOMY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | -- | 1 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |
| 3 | AWM (Field Assistant) | 1 | 2 | -- | 2 |
| 4 | Contractual (different kinds) | | 1 | -- | |
| 5 | LAB Assistants | -- | 2 | -- | 2 |

#### 2. AGRICULTURAL ECONOMICS (The data for Statistics is presented separately, as the College has separate Department of Statistics and Computer Applications)

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | Nil | 1 (* incl Stat) |
| 2 | Office Subordinate | 2 | 2 | Nil | 3 (*incl Stat) |

#### 3. AGRICULTURAL EXTENSION

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -- | 1 | | 1 |
| 2 | Office Subordinate | -- | 1 | | 1 |
| 3 | AWM | -- | 1 | | -- |
| 4 | Others (Artist Cum photographer) | -- | 2 | | -- |

## 4. ENTOMOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -- | 01 | -- | 1 |
| 2 | Office Subordinate | -- | 01 | -- | 1 |
| 3 | AWM | -- | 01 | -- | -- |
| 4 | Contractual (different kinds) | -- | 01 | -- | -- |
| 5 | Others (Time Scale Worker) | -- | 01 | -- | -- |

## 5. GENETICS & PLANT BREEDING

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 4 | 1 | 3 | 1 |
| 2 | Office Subordinate | 2 | - | 2 | 2 |
| 3 | AWM | 2 | 2 | Nil | 2 |
| 4 | Contractual (different kinds) | Nil | Nil | Nil | Nil |
| 5 | Others (Time scale) | 1 | 1 | Nil | Nil |

## 6. HORTICULTURE

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 0 | 1 | 1 |
| 2 | Office Subordinate | 1 | 1 | 0 | 2 |
| 3 | AWM | -- | -- | -- | 2 |

## 7. SOIL SCIENCE & AGRICULTURAL CHEMISTRY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 9 | 1 | 8 | 3 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |
| 3 | AWM | 0 | 1 | -- | -- |
| 4 | Others (JACT) | 1 | 1 | -- | 1 |

## 8. PLANT PATHOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 2 | Record Assistant | 2 | 2 | - | 1 |
| 3 | Office Subordinate | 1 | - | - | 2 |
| 4 | AWM | 1 | 1 | - | 1 |
| 5 | Contractual (different kinds) | - | 1 | - | -- |

## 9. CROP PHYSIOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 2 | 1 | 1 | 1 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |

## 10. STATISTICS & COMPUTER APPLICATIONS

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | 0 | -- |
| 2 | Office Subordinate | 1 | 1 | 0 | -- |
| 3 | Contractual (different kinds) | 0 | 2 | 0 | -- |

*The Data can be included in Department of Economics for consideration of ICAR recommended staff strength*

## B. SECTIONS

### 1. ANIMAL SCIENCES including Dairy Sciences & Poultry Units

The college has no special animal sciences department.

### 2. AGRICULTURE ENGINEERING + FARM MANAGEMENT

There is no dedicated section for Agricultural Engineering.

**FARM MANAGEMENT**

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| 1 | Agril.Officer | 1 | 1 | NIL |
| 2 | Technical Asst. | - | 1 | |
| 3 | Agricultural Extension Officer | 5 | 6 | |
| 4 | JACT | 1 | 1 | NIL |
| 5 | JACT, Stores I/c | - | 1 | - |
| 6 | Typist | 1 | NIL | 1 |
| 7 | Tractor Driver | 1 | 1 | NIL |
| 8 | Office Subordinate | 1 | 1 | 1 |
| 9 | Record Assistant | 2 | 1 | 1 |
| 10 | Cleaner | - | 1 | 1 |

Agricultural Farm - Manpower (Contractual including Daily wages workers, labour etc.,)

| S.No | Type of Manpower | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Agricultural workmen (AWM)(Men & Women) | 31 | All the persons are engaged daily for various activities like Watch & ward, other farm activities like irrigation in orchard block, field operations in paddy seed production plots, PG & Ph.D student experiments etc., |
| 2 | Time scale employees (Men & Women) | 87 | |
| 3 | On work Contract basis (Men & Women) | 9 | |

**3. BIOCHEMISTRY Section**

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -01- | -- | -01- | -01- |
| 2 | Office Subordinate | -01- | | -01- | -- |

**STRENGTH OF TECHNICAL AND SUPPORTING STAFF IN THE COLLEGE UNDER THE DAMINISTRATIVE CONTROL OF ASSOCIATE DEAN**

| Name of the Post/ Cadre | No. of Posts Sanctioned | In position (filled) | Vacant |
|---|---|---|---|
| Admn. Officer | 1 | 1 | -- |
| Agricultural Officer | 1 | 1 | -- |
| Superintendent | 2 | 2 | -- |
| Senior Assistant | 8 | 4+1 | 3 |
| UD Care Taker | 1 | 1 | -- |
| UD Steno | 1 | 1 | -- |
| J.A.C.T | 13 | 5 | 8 |
| Senior Lib.Asst | 1 | 1 | -- |
| Jr.Lib.Asst | 3 | 1 | 2 |
| Rec. Assistant | 32 | 24+1 | 7 |
| Xerox Operator | 1 | -- | 1 |
| Shelf Assistant | 5 | 1 | 4 |
| Workshop Supervisor | 1 | - | 1 |
| Arti-cum-Photographer | 2 | 1 | 1 |
| A.E.O. | 6 | 6 | -- |
| Projector Operator | 1 | - | 1 |
| Mech.Grade-II | 1 | -- | 1 |
| Inst.Mech | 1 | -- | 1 |
| Driver | 5 | 3 | 2 |
| Tractor Driver | 1 | -- | 1 |
| Carpenter | 1 | -- | 1 |
| Oil. Engg. Driver | 1 | - | 1 |
| Jr .Binder | 1 | 1 | -- |
| Pharmacist(Grade-II) | 1 | -- | 1 |
| Dresser | 1 | -- | 1 |
| Veterinary Assistant | 1 | -- | 1 |
| Engg. Maistry | 1 | -- | 1 |
| Pipeline Fitter | 1 | -- | 1 |
| Gasman | 1 | -- | 1 |
| Office Subordinate | 31 | 20 | 11 |
| Lusker | 1 | -- | 1 |
| Pump Attendant | 1 | -- | 1 |
| Cleaner | 4 | 3 | 1 |
| Watchman | 1 | -- | 1 |
| Elec. Helper | 1 | -- | 1 |
| Ward. Boy | 1 | -- | 1 |
| Kamati (Health Clinic) | 1 | 1 | -- |
| Sweep-cum-Scavenger | 1 | 1 | -- |
| A.W.M | 94 | 63 | 31 |
| **TOTAL::::** | **232** | **143** | **89** |

## 6.4.4 CLASSROOMS AND LABORATORIES

All theory and practical classes for Post Graduation are being conducted in respective departments. Each department have one PG classroom, separately for each programme. The data on number of laboratories and equipments available in each laboratory of every department is presented below. Each department have various types of laboratories as per their requirements for PG and other research projects. The Number and size vary accordingly. The laboratories are usually common for both PG and Ph.D. students for conducting the practical classes and hand-on training and learning. The PG students have full access to labs in the departments and will be encouraged to fully learn and understand principle and operation of various laboratory and analytical equipments, and machinery. Usually, every department will have minimum of three PG laboratories or working faculties, besides special environment / requirement laboratories with limited access. The PG students can work in any laboratory across all departments as per their requirement and are always encouraged to experience the research facilities available in different laboratories available in the college.

The college have state-of-the-art *Central Instrumentation Unit* for the benefit of all faculty and Postgraduate and Ph.D. students, developed with the special grants from NABARD. The CIC is a common facility, in addition to laboratories at departments, have various specialized laboratories and the facilities are available for use since 2019. The Central Instrumentation facility is equipped with all state-of-the-art analytical equipments useful for basic research in the field of biology and chemistry. The facility is having analytical chemistry, biotechnology, microbiology, testing laboratories. The equipments include Liquid chromatography, Gas chromatography, Mass Spectroscopy, Atomic Absorption Spectroscopy, Real-time Polymerase Chain reaction, Electrophoresis, Soil and leaf analyzers, all kinds of sensitive and analytical balances, un-interrupted power supply, and many routine use instruments and equipments. The various laboratories in CIU are crop production, microscopy, molecular biology & biotechnology, tissue culture, plant protection, remote sensing & GIC, heating room etc.

The Agricultural College is having a separate *Research and Demonstration Farm* which was started in 1950 and the present total area of the farm is 116 ha. The soils of the college farm vary from sandy soils of coastal belt to black soils of deltas. The farm was divided into 5 blocks for administrative convenience *viz*., Wetland block, Northern block, Orchard block, Southern block and Yard block. Each block is under the control of one farm manager.

The farm with different crops in different seasons and conditions is highly suitable for conducting field experiments for their masters degree thesis research work. The Farm maintains separate area with different conditions and soils for the benefit of PG student's research. The farm also has enough farm equipment, machinery and processing units for the purpose. The farm has one classroom and many storerooms for the purpose of hands-on learning and training.

In addition to the laboratory facilities available in various departments for practical of PG courses, the Central Instrumentation Cell and College Farm also used by the faculty for conducting practical classes.

**CLASSROOMS AND LABORATORIES FOR PROGRAMMES:**

| Programme | Number of Theory Classrooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M. Sc. (Ag.) | 12 | 26 | All the classrooms and functional laboratories are sufficient to meet the instructional, hands-on training practicals and research requirements |
| Ph. D | 8 | | |

*## The department-wise data for PG and Ph.D. classrooms and Laboratories is presented below:*

**THEORY AND PRACTICAL BATCHES FOR THE PROGRAMMES:**

| Name of the Programme | Total Intake/year | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| M. Sc. (Ag.) | 2 – 15 ** | 1 | < 20 | 1 | < 20 |

** *The intake for Post Graduate Programmes vary with department, but not exceeding to 15 students / year in M.Sc (Ag.). The Number is as per the allotment made by University.*

## *The department-wise data for PG classrooms and Laboratories is presented below:*

**AGRONOMY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 1 | 1 | Sufficient |

***Theory and practical batches for programmes:***

| S.No | Name of the Programme | Total Intake/year | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 12 | 1 | 12 | 1 | 12 |

**ECONOMICS**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 1 | - | Sufficient |

***Theory and practical batches for programmes:***

| S.No | Name of the Programme | Total Intake/ years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 5 | 2 | 5 | 2 | 5 |

**AGRICULTURAL EXTENSION**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | - | 1 | Sufficient |

***Theory and practical batches for programmes:***

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 4 | 1 | 4 | 1 | 4 |

**ENTOMOLOGY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 01 | 01 | The existing class room and Lab facility is sufficient to PG programmes |

***Theory and practical batches for programmes:***

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 8-14 | one | 8- 14 | one | 8- 14 |

**GENETICS & PLANT BREEDING**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | - | 01 | Separate classroom and laboratory facilities are not available. |

***Theory and practical batches for programmes:***

| S.No | Name of the Programme | Total Intake/years* | No. of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | No. of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc. | 9 - 15 | 1 | 9 - 15 | 1 | 9 - 15 |

**SOIL SCIENCE AND AGRICULTURAL CHEMISTRY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 1 | 1 | Sufficient for conducting PG classes |

***Theory and practical batches for programmes:***

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | No. of students in theory class | Number of Practical Batches (per year) | No. of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 9 | 1 | 9 | 1 | 9 |

**PLANT PATHOLOGY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M. Sc (Ag) | 1 | 1 | The existing class room and Lab facility is sufficient to PG programmes |

***Theory and practical batches for programmes:***

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | No. of students in theory class | Number of Practical Batches (per year) | No. of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M. Sc | 4 | 1 | 4 | 1 | 4 |

**CROP PHYSIOLOGY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 1 | 2 | Two PG laboratories are sufficient for PG students since the equipments occupy larger area. |

***Theory and practical batches for programmes:***

| S.No | Name of the Programme | Total Intake/ years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 4 | 1 | 4 | 1 | 4 |

**STATISTICS & COMPUTER APPLICATIONS**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| M.Sc (Ag) | 2 | 1 | Yes |

***Theory and practical batches for programmes:***

| S.No | Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|---|
| 1 | M.Sc | 3+1 | 1 | 4 | 1 | 4 |

## LIST OF MAJOR EQUIPMENTS / LABORATORIES / FARM FACILTIES / WORKSHOPS / OTHER INSTITUTIONAL UNITS utilized for award of M.Sc. (Ag.) Programs

## DEPARTMENT WISE

### AGRONOMY

| Lab Name | Name of the Equipment (List all equipments) | No.s |
|---|---|---|
| Lab-01 939.68 sqft Lab-02 668.36 sqft Seminar Hall 811.2sqft | EC meter | 2 |
| | Flame Photometer | 1 |
| | Spectrophotometer | 1 |
| | Kelplus Automatic Nitrogen dual Distillation system | 1 |
| | Water still double coil 8L (Syntex) | 2 |
| | Infrared moisture balance | 1 |
| | Laboratory glassware drawer | 1 |
| | Rotary shaker | 4 |
| | Muffle furnace | 1 |
| | Kjeldhal micro distillation | 2 |
| | All glass double distillation unit | 2 |
| | 500 litres crest cooler (voltas) | 2 |
| | E class with white board short throw projector | 1 |

### AGRICULTURAL ECONOMICS

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| LAB-01 | Computers | 2 |
| | Camera | 1 |

### AGRICULTURAL EXTENSION

| Lab Name | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| Agril Extension PG lab (PG-01) | Automatic Slide Projector (Kindermann) | 1 |
| | HP Pavilion 500-2101X DVD Drive | 1 |
| | Numeric UPS 1 KV | 1 |
| | Studio master cardless collor mike | 1 |
| | HP Laptop 15-R062TUI3/4GB/500GB DVD RW 15.6 | 1 |
| | Epson Projector 803 | 1 |
| | Cannon Scanner | 1 |
| | Hanging screen with accessories for LCD Projector | 1 |

| | | |
|---|---|---|
| Agril Extension PG lab (PG-2) | Automatic Slide Projector (Kindermann) | 1 |
| | HP Pavilion 500-2101X DVD Drive | 1 |
| | Numeric UPS 1 KV | 1 |
| | Studio master cardless collor mike | 1 |
| | HP Laptop 15-R062TUI3/4GB/500GB DVD RW 15.6 | 1 |
| | Epson Projector 803 | 1 |
| | Cannon Scanner | 1 |
| | Hanging screen with accessories for LCD Projector | 1 |

**ENTOMOLOGY**

| Name of the Laboratory | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| POST GRADUATE LABORATORIES | Binocular Microscope | 20 | |
| | Olympus stereoscopic binocular microscope | 09 | To view small insects and different parts for taxonomy studies |
| | Insecticides for showing students/Representative for each group | As per requirement | All groups of insecticides |
| | Stereomicroscope | 01 | |
| | Trinocular stereo Research Microscopes & Accessories | 03 | To view small insects and different parts for taxonomy studies |
| | Labomed Stereo Microscope | 02 | |
| | Phase contrast attachments: cx/ph1/ph2 for cx21-tr | 01 | To take good photographs for research purpose |
| | Digital camera olympus - model sp-350/sp-320, 8mp | 01 | |
| | Magnoscope | 01 | To count stored grain insects in the infested material |
| | Electronic balance | | |
| | Electronic digital balance BL 220 with wind shield | 01 | To weigh very small quantities with accuracy |
| | Shimadzu Electronic | 01 | |

| | | | |
|---|---|---|---|
| | moisture balance Model MOC 1204 Cap 120g | | |
| | Shimadzu Electronic balance Mode AU X220 Cap 220 mg | 01 | |
| | Soxhlet extraction apparatus | | |
| | Soxhlet extraction mantle – 500ml | 01 | For extraction of botanicals |
| | Oven | 2 | |
| | Godrej micro wave oven(17L) | 01 | To sterilize media |
| | Hot air oven Kemi make | 01 | To sterilize glass material |
| | Potters tower | 01 | |
| | Potter spray tower | 01 | To conduct bioassays |
| | Sprayers | | |
| | Aspee ganesh air compression steel Sprayers (hand operated: 1lt capacity) | 02 | For spraying |
| | Fumigation chamber | 01 | |
| | Fumigation chamber | 01 | For dis infestation of rearing media |
| | Burrow fumigator | 01 | Display and demo purpose |
| | Slides/cover slips | As per requirement | Display and for preparation of permanent slides |
| | pH meter | 01 | |
| | pH meter digital | 01 | To measure pH of insecticide spray solutions, media |
| | Others | | |
| | Incubators | | |
| | Incubators KSE-15 | 01 | To rear insects at required environmental conditions |
| | BOD incubator | 01 | |
| | Labtop Micro controller(PID) based environmental plant growth chamber | 01 | |
| | Heating mantles | | |
| | Hot plate tempo type ti | 02 | Heating of working samples |

| | | | |
|---|---|---|---|
| | 85-tc 20.5 cm 1KW | | |
| | Heating mantle – big – 2000ml | 02 | |
| | Heating mantle – small – 500ml | 02 | |
| | Chromatography | | |
| | Chromatography cabinet | 01 | Analytical equipment for amino acids, nutritional components |
| | Chromatography columns 18 mm x 300nm | 12 | |
| | Thermometers | | |
| | Thermometers 0-110$^0$C | 10 | To measure temperature and humidity while experimentation |
| | Soil thermometers | 02 | |
| | Maximum & minimum thermometer | 01 | |
| | Water bath | | |
| | Water bath "kemi" 7 lts | 01 | To clear insect tissues to prepare permanent slides |
| | Electrophoresis | | |
| | One Horizontal and one vertical electrophoreses units along with accessories | 01 | To conduct biotechnology studies |
| | LA 842 Electrophoresis Power supply & LA 844- Hi Eco Mini Horizontal Gel Box | 01 | |
| | Spectrophotometer | | |
| | UV-VIS. Digital spectrophotometer | 01 | To conduct biochemical analysis and residue analysis |
| | Centrifuges | | |
| | Refrigerated centrifuge (20000rpm) | 01 | To conduct insect pathology and physiology studies |
| | Remi – 24 Research Centrifuge | 01 | |
| | Refrigerators | | |
| | LG Refrigerator double door | 01 | To preserve samples |
| | Laminar air flow | | |
| | Kemi laminar air flow | 01 | To conduct insect pathology |

| | | | |
|---|---|---|---|
| | (klfv-4ss) | | studies |
| | Corkborer set | 01 | |
| | Water distillation unit | | |
| | All Glass Double Distillation unit, Borosil make | 01 | To collect double distilled water |
| | Glass bead sterilizer | | |
| | Kemi glass bead sterilizer 2"x5 ½" | 01 | For laminar air flow |
| | Kemi glass bead sterilizer 2"x6 ½" | 01 | |
| | Fume hood | | |
| | Kemi fume hood (kfh 3) | 01 | To work with strong acids |
| | Fire extinguishers | | |
| | 4.5 kg Capacity $Co_2$ BC type fire extinguisher | 01 | Safety measure |
| | 5 kg Capacity $Co_2$ ABC type fire extinguisher | 01 | |
| | Vacuum based equipment | | |
| | Med Vac pump | 01 | For PG class work and experiments |
| | Rotary vacuum pump | 01 | |
| | Rotary vacuum evaporator | 01 | For concentrating the extracts |
| | Vacuum cleaner | 01 | Cleaning of lab |
| | Vacuum desicators | 02 | Rearing insects |
| | Vacuum manifold with single arm | 01 | To create required vacuum |
| | Humidity& pressure measuring equipment | | |
| | Humidity meter | 01 | To measure RH in Lab |
| | Digital Pressure Gauge Single Head | 01 | |
| | Dissection/rearing items | | Dissections in practicals |
| | Dissecting cases | 03 | |
| | Dissection trays with wax 10x 8" | 50 | |
| | Rearing cages 36''x30''x21'' (field cages) | 06 | For insect rearing |

| | | | |
|---|---|---|---|
| | Rearing cages 30''x21''x21'' | 06 | |
| | Blenders/mixers | | |
| | Sumeet mixi | 01 | Required for PG research |
| | Blender | 01 | |
| | Vortex stirrer/mixer | 01 | |
| | Shaking machine | 01 | |
| | Blowers | | |
| | Hot air blower | 01 | For drying TLC plates |
| | Aluminum blower | 01 | |
| | Syringes/pipette | | |
| | Hamilton micro litre syringes | 06 | Measurement of samples |
| | Repeading dispenser – Hamilton | 01 | |
| | Eppendorf research adjustable volume pipette | 01 | |
| | Standard sieve set | 01 | Nematology and storage Entomology experiments |
| | Camera Lucida | 09 | Insect drawings |
| | Inoculation chamber | 01 | |
| | Abels flash point apparatus with energy regulator | 01 | Toxicology experiment |

**GENETICS & PLANT BREEDING**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab wise) |
|---|---|---|---|
| Genetics Lab 53 x 39 ft | Monocular microscopes | 57 | For conducting Cytogenetics practicals – Used for cell division practicals - Mitotic and Meiotic phases |
| | Microtome | 1 | For preparation of Mitotic and Meiotic slides |
| Plant breeding & seed technology lab | Dissection microscopes | 20 | For conducting plant breeding practicals - Used the microscopes for dissecting |

| | | | |
|---|---|---|---|
| 53 X 39 ft | | | small flowers ( flowers of Graminaea members) |
| Biotechnology Lab<br>39 x 26 ft | Hot air oven | 2 | For drying of plant samples |
| | Bacteriological Incubator | 1 | For incubation of bacteria samples |
| | Centrifuge & spectrofuge | 3 | Short spinning of DNA samples |
| | Double distillation unit | 1 | For procuring distilled water to conduct the practicals (DNA isolation etc.) |
| | Gel Electrophoresis Unit | 1 | For separation of DNA samples |
| | Pipettes | 4 | Used while conducting the practicals |
| | L. G. Microwave oven | 1 | It is used for melting of agaraose for preparation of gel and preparation of solutions |
| | Thermostatic controlled water bath | 1 | For DNA isolation and incubating the samples in the hot water bath while isolating the DNA |
| | Electrophoresis with power supply | 2 | For separating the DNA samples |
| | Gel Doc system | 1 | For visualization and documentation of gels |
| | Autoclave | 1 | For sterilization of chemicals |
| | Digital $P^H$ meter | 1 | For checking the $P^H$ of solutions while preparation |
| | Deep freezer vertical spectrum | 1 | For preserving DNA samples and chemicals |
| | Laminar Air flow bench horizontal | 1 | For inoculation of tissue culture samples |
| | Tissue culture racks | 2 | For growing of tissue culture generated plants |
| | Hot plate | 1 | For preparation of solutions |

**SOIL SCIENCE & AGRICULTURAL CHEMISTRY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| PG Laboratory 1500 sq.ft | 1.Refrigerator | 1 | To preserve prepared chemicals & soil samples |
| | 2.pH meter | 1 | To estimate pH |
| | 3.EC meter | | To estimate EC |
| | 4. Hot air Oven | 1 | Drying of soil & plant samples |
| | 5.Spectrophotometer | 1 | To estimate P, S |
| | 6.Atomic absorption Spectrophotometer | 1 | To estimate micronutrients |
| | 7.Centrifuge | 1 | To estimate CEC in soil |
| | 8.Hotplate | 1 | Plant samples digestion for other N (For P, K & micronutrients) |
| | 9.Water bath | 1 | Heating of samples |
| | 10.Muffle furnace | 1 | To determine ash content |
| | 11. Kelplus N analyser (Distillation set) | 1 | To estimate N content |
| Soil Biology Laboratory 450 Sq.ft | 1.BOD Incubator | 1 | To maintain required temp |
| | 2.Colony counter | 1 | To determine microbial count |
| | 3. Autoclave | 1 | To sterilize mediums |
| | 4.N digestion unit | 1 | To digest plant samples |
| | 5.Inoculation chamber | 1 | Isolation and inoculate |

**PLANT PATHOLOGY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| PG Lab 1672 sq.ft | Microscopes | 10 |
| | Stereo binocular | 1 |
| | Autoclave | 1 |
| Molecular Pathology 306 sq. Ft. | Oven | 1 |
| | Deep freeze | 1 |
| | Refrigerator | 1 |

| | | |
|---|---|---|
| | Incubator | 1 |
| | Occular meters | 5 |
| | Stage micrometers | 5 |
| | Camera lucida | 5 |
| | Laminar air flow | 2 |
| | Colony counter | 1 |
| | Distillation set | 1 |
| | pH meter | 1 |
| | PCR machine | 1 |
| | Gel electrophoresis apparatus | 2 |
| | Minispin | 1 |
| | Centrifuge (refrigerarted) | 1 |
| | Spectrophotometer | 1 |
| | Image analyser microscope | 2 |
| | UV trans illuminator | 2 |
| | Magnetic stirrer | 2 |
| | Microwave oven | 1 |
| | Haemocytometer | 10 |

**CROP PHYSIOLOGY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| PG Lab1<br>300 sq.ft | Digital visible spectrophotometer | 2 |
| | Leaf area meter LP-80 | 1 |
| | Precision balance(wensar) | 2 |
| | Refrigerated centrifuge remi C24+ with accessories | 2 |
| | SPAD KONICA MINOLTA chlorophyll meter (SPAD-502) | 1 |
| | Horizontal cylindrical high speed autoclave | 1 |
| | Elecric balance | 1 |
| | TPS-2 portable Pn system | 1 |
| | Water bath-(S.STEEL) | 1 |
| | Preethi mixi | 1 |
| | Ganesh sprayer | 1 |
| | Digital moisture meter | 1 |
| | Electronic precision balance | 1 |
| | Digital infrared thermometer | 1 |
| | Digital EC meter | 1 |
| | Digital pH meter | 1 |
| | Electric spray gun E-88 | 1 |

| | | |
|---|---|---|
| | Electrophoresis equipment -1 | 1 |
| | Single pan analytical balance keyroy | 1 |
| | Triple beam balnce | 1 |
| | Hot air oven | 1 |
| | Delta T leaf area meter | 1 |
| | Scientific automatic electrically heated all glass double distillation apparatus | 1 |
| | Magnetic stirrer with hot plate | 1 |
| | Hot plate round tempo | 1 |
| | Dona single pan balance | 1 |
| | Measuring tape | 1 |
| | Refrigerator | 1 |
| | Magnus stereomicroscope | 1 |
| | Electric spray gun E-88 | 1 |
| PG Lab 2<br>240 sq.ft | Leaf area meter SYSTRONICS | 1 |
| | UV-VIS spectrophotometer SYSTRONICS TYPE-119 | 1 |
| | Electronic Precision balance (SARTORIUS, BSA42CW) | 2 |
| | Refrigerated centrifuge remi C24+ with accessories | 2 |
| | BOD incubator 280 Lit (in LAB with stabilizer) | 1 |
| | Liquid N2 container | 1 |
| | Power sprayer (rally) | 1 |
| | Soil pH and moisture tester | 1 |
| | Electronic digital pocket balance | 1 |
| | Pocket type pH meter | 1 |
| | Electrophoresis equipment -2 | 1 |
| | Haemocytometer | 1 |
| | General purpose laboratory centrifuge | 1 |
| | Ultraviolet lamp | 1 |
| | Digital conductivity meter | 1 |
| | Microphotographic equipment (Nikon camera FM-10 with flash, closeup lens kit and stand microscope adapter | 1 |
| | Rectangular hotplate | 1 |
| | Electric Bunsen with energy regulator | 1 |
| | Magnus microscope | 2 |
| | Magnetic stirrer with hot plate | 1 |

**STATISTICS AND COMPUTER APPLICATIONS**

| Name of the Lab | Space (sq.ft) | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|---|
| Data Analysis Room | 150 sft | PCs<br>2 KVA UPS<br>LCD Projector | 4<br>1<br>1 | For Data Analysis and practical exams based on Skill test |

## CENTRAL INSTRUMENTATION UNIT

Central Instrumentation cell was initiated at the Agricultural College, Bapatla during 2018. Central Instrumentation Cell is conveniently being divided into five different laboratories comprising of Crop production, Microscopy, Molecular Biology and Biotechnology, Plant Protection and Remote Sensing & GIS laboratory. A total of 57 equipments were installed and distributed in these laboratories for the benefit of M Sc and Ph D students.

| S. No. | Laboratory | Room Dimensions |
|---|---|---|
| 1 | Crop Production Laboratory | |
| | Crop Production Laboratory | 14.5 x 8.5 m |
| | AAS laboratory | 4.7 x 2.8 m |
| | CHNS laboratory | 4.7 x 2.8 m |
| | Inductive coupled plasma emission spectrophotometer | 4.7 x 2.8 m |
| 2 | Microscopy Laboratory | |
| | Sample preparation laboratory | 4.7 x 4.2 m |
| | Light microscopy laboratory | 4.7 x 4.2 m |
| | SEM laboratory | 4.6 x 4.1 m |
| | TEM laboratory | 4.6 x 4 m |
| 3 | Molecular Biology and Biotechnology Laboratory | 16.4 x 8.9 m |
| | Plant Growth Chamber Laboratory | 8.7 x 4.7 m |
| | Tissue Culture Laboratory | 4.1 x 2.2 m |
| 4 | Plant Protection Laboratory | 16.5 x 9.7 m |
| 5 | Remote Sensing & GIS Laboratory | 8.7 x 6.0 m |
| 6 | Common Facility | |
| | Wash area/Media preparation | 4.1 x 2.2 m |

| | | |
|---|---|---|
| | Heat Generation room | 4.1 x 2.2 m |
| | Inoculation room | 4.1 x 2.2 m |
| 7 | Conference Hall | 12.5 x 8.9 m |
| 8 | Generator Room | |
| 9 | RO water Room | |

| Name of the Lab | Name of the Equipment (List all equipments) | No. | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| Crop Production Laboratory 1756 sq.ft | Portable Photo Synthetic Meter | 1 | To measure the photosynthesis rate and stomatal conductance |
| | Quantum Sensor With Data Logger | 1 | To mreasure luminance and irradiance |
| | Plant Canopy Analyzer | 1 | For measuring Photosynthetically active radiation (PAR) |
| | Leaf area meter | 1 | Fast and accurate measurement of leaf area |
| | Plant Stress Meter/ Chlorophyll fluorometer | 1 | Measurement of nutrient stress in plants and chlorophyll fluorosence emissions from the sample |
| | Flame Photometer | 1 | For estimating K, and Na content of the sample |
| | Kjeltron Automatic N Estimation system | 1 | For estimating N content of the sample |
| | NIR Grain Analyzer | 1 | Moisture, protein and oil content in grains |
| | Line Quantum Sensor | 1 | For estimating Photosynthetically active radiation (PAR) |
| | Digital pH meters | 8 | For estimation of $P^H$ |
| | Digital balances | 5 | For weighing samples |
| | Water Potential Meter/ Dew point potential meter | 1 | For measuring water potential |
| | Pyranometer | 1 | To find out solar irradiance ($W/m^2$) |
| | Hot plates | 4 | For digestion of the samples |
| | Double Distillation Apparatus | 2 | For producing distil water for AAS |
| | Digital conductivity meters | 4 | For estimating EC |
| | Fume hood | 2 | For digestion of the samples |

| | | | |
|---|---|---|---|
| | Atomic Absorption Spectrophotometer | 1 | To determine the micronutrient composition of plant / soil samples. |
| | Inductive coupled plasma emission spectrophotometer | 1 | Used for detection of chemical elements |
| Microscopy 309 sq.ft | Trinocular Stereo Microscope with Camera | 2 | To take observations of small insects, micrometry along with measurements For microphotography |
| Molecular Biology and Biotechnology 1571 sq.ft | Tissue lyser | 1 | Grinding of leaf sample |
| | Thermal cycler PCR | 4 | Carrying out polymerase chain reaction |
| | Digital droplet PCR | 1 | PCR and DNA quantification |
| | DNA cross linker | 1 | Crosslinking of DNA to the membranes/preparation of probes |
| | Hot air oven | 3 | Dry heat sterilization |
| | Electroporator | 1 | DNA transformation |
| | Thermomixer | 1 | Mixing of samples in closed tubes under controlled temperature |
| | 2D electrophoresis | 1 | Proteomics studies |
| | Magnetic stirrer | 2 | Stirring of chemicals |
| | Top loading balance | 5 | Weighing of samples |
| | Laboratory trollies | 6 | Carrying /handling of large number of samples in the laboratory |
| | -80$^0$C freezer | 2 | Preservation of test samples/chemicals |
| | Refrigerated incubator cum shaker | 2 | Incubation of the sample below ambient temperature with shaking facility |
| | UV Torch | 1 | Observation of invisible samples and elimination of germs on the surface |
| | Micropippetts | 7 | Handling of liquids /samples for conducting experiments |
| | Elisa reader with microplate washer | 2 | Measument and interpretation of ELISA test |
| | UV VIS spectrophotometer | 1 | Quantitative determination of different analytes in the test samples |
| | Gel rocker | 1 | Two dimensional shaking platform for gels |
| | -20$^0$c freezer | 2 | Preservation of samples and chemicals |
| | Nano analyser | 1 | Quantification of DNA and RNA |
| | Vortex shaker | 2 | Mixing of liquid sample vials |

| | | | |
|---|---|---|---|
| | Minispin | 4 | Short spinning the sample/spinning of the sample for short duration |
| | Refirgerated microcentrifuge | 1 | Centrifugation of the sample at lower temperature |
| | Pipetteman 10 ml | 6 | Handling of liquids |
| | Waterbath | 2 | Heating of sample/incubation of sample in water at constant temperature for longer period of time |
| Tissue culture lab 900 sq.ft | Tissue culture racks | 8 | Culturing of plants under invitro conditions |
| | Autoclave vertical | 3 | Wet heat sterilization/Sterilization of chemicals and plastic ware prior the conduct of experiments |
| | 10KVA UPS | 10 | Generating powerbackup to the entire lab |
| Plant Protection Laboratory 1722 sq.ft | Burkard Potter Spray Tower | 1 | To do pesticide dose analysis |
| | *In situ* Sterilizable glass vessel fermentor 3L | 1 | Fermentation of culture formulation |
| | BOD Incubator | 10 | Culturing of microbes |
| | Rotary vacuum Evaporator | 1 | Separation of metabolites etc |
| | Digital Micropettes kit | 1 set | Precise transfer of solutions |
| | Magnetic Stirrer with Hot Plate | 5 | Dissolving the solutes |
| | Laboratory Hot Air Oven | 4 | Hot air sterilization |
| | Autoclave Vertical | 3 | Steam sterilization |
| Remote Sensing & GIS Lab 562 sq.ft | ERDAS software | 1 | For image analysis of data obtained from NRSC |

## COLLEGE FARM:

The Agricultural College Farm was initially started in 1945 on a leased land at Machavaram Village, 17 Km away from Agricultural College, Bapatla for a period of five years. It was later shifted to the present location in the year 1950 having an area of 176 ha. Cashew Research Station and Gram Sevak's Training centre were allotted 60 ha. The present total area of the farm is 116 ha. It is situated at an altitude of 5 m above mean sea level at 80º 30' E longitude and 15º 84' N latitude and 8 km away from the Bay of Bengal and 3 km away from Agricultural College campus. The soils of the college farm vary from sandy soils of coastal belt to black soils of deltas.

**The mandate of farm: -**

- Imparting practical knowledge and skills in cultivation of crops to the students of agriculture.
- Providing research facilities to the Post-graduate students of agriculture.
- Foundation seed production of rice varieties.
- Maintenance of Crop Cafeteria and Technology demonstrational plots.

The farm was divided into 5 blocks for administrative convenience *viz*., Wetland block, Northern block, Orchard block, Southern block and Yard block. Each block is under the control of one farm manager.

| **Details of various field facilities** | **Area (Ha)** |
|---|---|
| Total Farm area | 116.00 |
| Agroforestry | 3.81 |
| Cultivable area (Wet + ID + Aqua) | 66.71 |
| Wet | 48.29 |
| I. D | 18.42 |
| Aquaculture | 07.95 |
| Roads, buildings, canals, etc., | 19.53 |
| IMD + Forest Department | 1.40 |
| ARS + SWS(Agril.Research Station & saline Water scheme) | 24.55 |

**Block wise area**

| Type | Area (Ha) | Speciality to conduct Instructional / Research / Hand-on training etc., for students |
|---|---|---|
| Northern Block | 33.58 | PG & Ph.D: Experiments are conducted in different blocks of the college farm as per the requirement of land for different crops taken up by the students. Every year, approximately 9 to 10 ha area is allotted for PG & Ph.D trials |
| Southern Block | 28.15 | |
| Wetland Block | 4.00 | |
| Orchard Block | 9.22 | |
| Godowns & stores | 1.58 | |

**Manpower (Permanent)**

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| **FACULTY** | | | | |
| 1 | Farm Superintendent - Senior Scientist (Agro) & Head | 1 | 1 | - |
| 2 | Farm Manager-Scientist/ Asst.Professor | 5 | NIL (At present) | The staff from Department of Agronomy are deputed to assist |
| **NON-TEACHING STAFF** | | | | |
| 1 | Agril.Officer | 1 | 1 | NIL |
| 2 | Technical Asst. | - | 1 | |
| 3 | Agricultural Extension Officer | 5 | 6 | |
| 4 | JACT | 1 | 1 | NIL |
| 5 | JACT, Stores I/c | - | 1 | - |
| 6 | Typist | 1 | NIL | 1 |
| 7 | Tractor Driver | 1 | 1 | NIL |
| 8 | Office Subordinate | 1 | 1 | 1 |
| 9 | Record Assistant | 2 | 1 | 1 |
| 10 | Cleaner | - | 1 | 1 |

**Manpower (Contractual including Daily wages workers, labour etc.,)**

| S.No | Type of Manpower | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Agricultural workmen (AWM)(Men & Women) | 31 | All the persons are engaged daily for various activities like Watch & ward, other farm activities like irrigation in orchard block, field operations in paddy seed production plots, PG & Ph.D student experiments etc., |
| 2 | Time scale employees (Men & Women) | 87 | |
| 3 | On work Contract basis (Men & Women) | 9 | |

**List of Equipments available at Farm**

| S.No | Name of the Equipment | Numbers | Purpose |
|---|---|---|---|
| 1 | Tractors | 2 no. | For all ploughing purposes and also transport of material with the available trailer |
| 2 | Combine harvester | 2No | For harvesting and threshing of Paddy seed production plots in College Farm. Only one is in working condition |
| 3 | Paddy Seed grader | 1 No. | For paddy seed processing |
| 4 | Paddy seed cleaning and grading machine | 1 No | To be installed. It is for processing of paddy seed |
| 5 | Rice planter (Kuboto)& nursery trays | 1 No | For machine transplanting of Paddy |
| 6 | Paddy seeding machine | 1 No | Seeding paddy in trays for machine transplanting |
| 7 | Soil pulveriser | 1 No | To pulverise the soil for paddy seeding in trays for machine transplanting |
| 8 | Post hole digger | 1 No | For digging holes for planting saplings of various trees |
| 9 | Laser guided land leveller | 1 No | For levelling the fields |
| 10 | Rotovator | 2 No | For obtaining fine tilth of soils |
| 11 | Cultivator-9 tyne | 2 No | Secondary tillage operations |
| 12 | Cage wheels | 3 pairs | For puddling purpose in paddy fields |
| 13 | Disc plough | 1 No | For primary tillage |

| | | | |
|---|---|---|---|
| 14 | Disc harrow | 1 No | For secondary tillage |
| 15 | Mouldboard plough | 1 No | For primary tillage |
| 16 | Power sprayers | 5 No | For spraying various herbicides and pesticides |
| 17 | Wheel hoes | 15 No | For intercultivation |
| 18 | Seed cum fertiliser drill | 2 No | For direct seeding and fertiliser application |
| 19 | Chaff cutter | 1 No | For cutting grass into pieces |

## 6.4.5 CONDUCT OF PRACTICAL AND HANDS-ON TRAINING

The First Postgraduate (PG) Programme was started in the Department of Genetics and Plant Breeding in the year 1968. The PG programmes were subsequently offered by other departments in the later years. The introduction of PG programmes was commenced to solve the field hurdles faced by the farming community. Students were trained in various scientific processes involved in their respective departments and the usage of equipment in the departments. Research facilities were created based on departmental requirements. The central instrumentation facility was also created with advanced lab equipment like electron microscopes, advanced microscopes, spectrophotometers, etc. The equipment present in the laboratories was being used by the students in the free environment.

The students were given hands-on training in handling molecular tools, enzymatic analysis, QTL mapping, detection and diagnosis of pests and diseases, usage of SPSS, and R software in the analysis of data. In addition to the academic work, the comprehensive knowledge of research ethics, and intellectual property rights was imparted to the students. In the way of building their capabilities, students were being encouraged to participate in seminars, conferences, workshops, and training programs. Through this continuous effort, students received several recognitions in the conferences and seminars conducted at the national and international levels. Students were also encouraged to publish their research works in the journals at international level.

Practical exposures were being given by taking the students to the research stations, agricultural and horticultural farms, and various government organizations

and making them interact with the farmers by conducting surveys. A gym and sports complex with a good indoor stadium was being provided to the students for involving them in various indoor and outdoor games. Every year competitions were being conducted at the college level for sports and cultural events for improving the abilities of the students.

**THE DEPARTMENT-WISE INFORMATION ON CONDUCT OF PRACTICAL AND HANDS-ON TRAINING IS PRESENTED BELOW IN BRIEF:**

**AGRONOMY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| M.Sc | Students are being trained as per the practical syllabus in respective courses. Students will be allotted individual plots for raising field crops by which they involve in field operations right from field preparation to harvest under the extensive supervision of the course incharge. Students were well acquainted in calculating the seed rate, fertiliser dose, herbicide dose under various farming situations. Students will also be exposed to field conditions by study tours to visit farmer fields, research stations, watershed areas etc. |

**AGRICULTURAL ECONOMICS**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| M.Sc | Students were exposed in different methodologies of conducting surveys and analysing the data with statistical packages |

**AGRICULTURE EXTENSION & COMMUNICATION**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| M.Sc | Students are getting cent percent desired practical and hand-on training as per the curriculum. They are oriented to skills in research, programme planning, monitoring & evaluation, and exposed to rural society, extension organisations. |

**ENTOMOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| M.Sc | Masters students are getting excellent training in their PG course |

| | |
|---|---|
| | course work in preparation of specimen slides,dissections, micrometry, camera lucida drawings, estimation of insect chitin, carbohydrates, proteins, amino acids, preparation of artificial diets, chromatography techniques, sampling techniques, working on diversity indices, life tables, spatial distribution, Hollings disc experiments, Mass production of insects, bio agents, plant protection techniques. |

**GENETICS & PLANT BREEDING**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| M.Sc | GP- 502 - Hands on training with respect to different stages of mitosis and meiosis cell division process. Slide preparation and identification of different microscopes, their parts and functioning demonstration.<br>GP- 503 - Hands on training on floral biology, flower structure, emasculation and pollination procedures in lab and field. Exposure visits to different research stations with respect to procedures being adopted for specific crop improvement.<br>GP – 508 & 509 - Hands on training on DNA isolation, PCR techniques, gel electrophoresis, scoring of gels, and interpretation of gel results. Statistical analysis related to diversity and QTL analysis. PAGE techniques and on tissue culture techniques.<br>GP- 504 – Statistical techniques for analysis of different experimental designs and biometric data. |

**SOIL SCIENCE AND SGRICULTURAL CHEMISTRY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| M.Sc | Students can prepare soil, plant and water analysis of their own and experience with the operation of instruments and they can familiar with all principles involved in the operation of instruments |

**PLANT PATHOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| M. Sc. | Field visits for survey of diseases in and around Bapatla, practicals in lab regarding microscopy, enzymatic analysis, chromatography and molecular pathological work are being organized. |

**CROP PHYSIOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| M.Sc | Students got desired practical knowledge in stress physiology, nutriophysiology, seed physiology, photosynthesis & crop productivity and application of Plant Growth Regulators |

**STATISTICS AND COMPUTER APPLICATIONS**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| M.Sc | Hands on training on the usage of SPSS, Excel, R softwares is being conducted. Students were also trained to analyse different types of data using the advanced statistical tools. |

## 6.4.6 SUPERVISION OF STUDENTS IN PG/Ph.D POGRAMMES:

- The Number of students being supervised by Faculty in case of Masters programmes is presented in the following table.
- The realistic figure number of qualified faculty in relation to the intake of students is presented in the table below.
- All staff members are highly qualified to supervise the PG, as more than 90% staff are Doctorates, and More than 50% staff members have experience of at least 15 years in teaching / research / extension.
- The staff in those departments where the PG programmes are not offered are also actively involved in guiding / supervising PG students as members of Advisory committee of various departments.
- All staff are across departments are actively engaged in guiding / supervising PG students of other departments for multi-disciplinary activities.

| S.No. | Name of the Department | Strength of Faculty | | | M.Sc. | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Professor | Associate Professor | Assistant Professor | 2015 | 2016 | 2017 | 2018 | 2019 |
| 1. | Agronomy | 5 | -- | 3 | 9 | 12 | 10 | 9 | 7 |
| 2. | Agricultural Economics | -- | -- | 4 | 4 | 6 | 4 | 3 | 5 |
| 3. | Agriculture Extension | 2 | 1 | 1 | 4 | 4 | 3 | 3 | 2 |
| 4. | Entomology | 6 | -- | 2 | 7 | 7 | 8 | 8 | 7 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 5. | Genetics & Plant Breeding | 2 | 1 | 3 | 6 | 2 | 2 | 8 | 7 |
| 6. | Soil Science and Agricultural Chemistry | 3 | -- | 4 | 6 | 9 | 6 | 7 | 6 |
| 7. | Plant Pathology | 1 | 2 | 2 | 4 | 5 | 4 | 2 | 3 |
| 8. | Crop Physiology | 2 | -- | 2 | 4 | 4 | 4 | 4 | 4 |
| 9. | Statistics and Computer Applications | 1 | -- | 3 | 2 | 3 | 3 | 0 | 1 |
| 10. | Horticulture | -- | -- | 2 | -- | -- | -- | -- | -- |
| 11. | Biochemistry | -- | -- | 1 | -- | -- | -- | -- | -- |

## 6.4.7 FEEDBACK OF STAKE HOLDERS

In the Agricultural College, Bapatla every year it is a mandatory by the concern course in charge to get the feedback through feedback form, and after analysis they came to know the SWOT so as to improve and meet the requirements of the students for each and every course. In addition to that a separate questionnaire was prepared during the year 2019 – 2020 to get the feedback from the PG students on 10 important questions related to the college activities. A five-point scale was adopted to get the correct unbiased information through a questionnaire prepared for that purpose.

The data reveals that majority of the students were satisfied with the staff, facilities, Examination system, College environment, drinking water facility etc., For all the questions around 80 percent of the students are expressed their opinion positively.

## 6.4.8 STUDENT INTAKE AND ATTRITION IN THE PROGRAMME FOR LAST 5 YEARS

| Name of the Programme | Sanctioned Strength | Actual Number of students admitted in the last 5 years | | | | | Attrition (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2015 | 2016 | 2017 | 2018 | 2019 | 2015 | 2016 | 2017 | 2018 | 2019 |
| M.Sc. (Ag.) | Varies from Department & Year ** | 59 | 68 | 54 | 53 | 61 | 2.36% | 1.4% | 1.1% | 2.1% | 7.9% |

*** Department-wise data is presented in the following tables, separately for M.Sc..*

## STUDENT INTAKE AND ATTRITION IN M.SC. PROGRAMME

| S.No. | Name of the Department | M.Sc. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Actual Number of students admitted in the last 5 years | | | | | Attrition (%) | | | | |
| | | 2015 | 2016 | 2017 | 2018 | 2019 | 2015 | 2016 | 2017 | 2018 | 2019 |
| 1 | Agronomy | 9 | 12 | 10 | 10 | 9 | 0 | 0 | 0 | 0 | 22.2% |
| 2 | Agricultural Economics | 4 | 6 | 4 | 3 | 6 | 0 | 0 | 0 | 0 | 16.6 |
| 3 | Agriculture Extension & Communication | 4 | 4 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| 4 | Entomology | 7 | 9 | 8 | 8 | 9 | 0 | 22.2 | 0 | 0 | 22.2 |
| 5 | Genetics & Plant Breeding | 15 | 16 | 9 | 13 | 13 | 6.2 | 6.2 | 0 | 18.7 | 12.5 |
| 6 | Soil Science and Agricultural Chemistry | 6 | 9 | 6 | 8 | 8 | 0 | 0 | 0 | 12.5 | 37.5 |
| 7 | Plant Pathology | 5 | 7 | 6 | 6 | 7 | 0 | 14.2 | 0 | 33.3 | 28.5 |
| 8 | Crop Physiology | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 |
| 9 | Statistics and Computer Applications | 2 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

## 6.4.9 ICT APPLICATION IN CURRICULUM DELIVERY

The Agricultural College, Bapatla is having a 40 MBPS Broad band connectivity with unlimited Internet facility to the Staff and Students. The Wi-Fi facility was extended to all the PG/ Ph.D students of both Boys and Girls Hostels. This facility was given by the Government of India through National Mission for Education (NME Connection by the BSNL).

The Undergraduate and post Graduate Theory as well as the Practical classes are being taken by the Teacher using LCD projectors. All the departments are having Touch Screen LCD facility to explain the concepts easily understandable to the students. All the staff were well trained using MS- Office (word, Excel, Power point) modules and with the help of LCD projectors they are using Slide presentations wherever is required.

Under Institutional Development Plan (IDP) – NAHEP, two class rooms were made as Virtual Class room facility having Wi-Fi connectivity to all the participants with 20 KVA UPS Backup.

The College is maintaining its own college website to cater the needs of the students by providing the study material, News, timetables, other academic related information to all the students.

The College is also having the National Scientific Journal i.e "The Andhra Agricultural Journal" having the NAAS Rating of 4.14 under the Society of The Andhra Agricultural Union established in the year 1954. The Journal is publishing the Articles of the M.Sc and Ph.D students Research work carried during their study period. The Journal is having open source online facility.

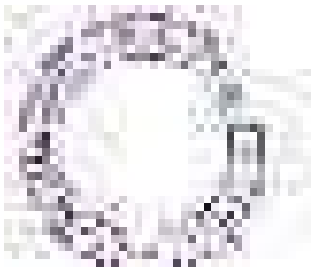
The Agricultural College is having a Student Knowledge Centre with Digital Library, CAB Abstracts, CeRA, Xeroxing facilities. Which is catering the needs of all UG/PG and Ph.D students with its advanced technology.

The College is also having its own Alumni website separately as www.bapatlaagricos.org to bring its alumni together in a single flat form to improve facilities, to share the knowledge and to support the overall development of the college.

## 6.4.12 CERTIFICATE

**I, the Associate Dean, Dr. G. Ramachandra Rao, hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding University.**

**Date: 14-September-2020**





## ACCREDITATION (SELF STUDY REPORT) COMMITTEE

| | | |
|---|---|---|
| **CHAIRMAN** | **:** | **Dr. P. V. Krishnayya**<br>**Professor & University Head (Entomology)** |
| **CONVENOR** | **:** | **Dr. Cherukuri Sreenivasa Rao**<br>**Professor (Entomology)** |
| **MEMBERS** | **:** | **Dr. Ch. Sujani Rao**<br>**Professor (Soil Science & Agricultural Chemistry)** |
| | | **Dr. B. Aparna**<br>**Assistant Professor (Agricultural Economics)** |
| | | **Sri. N. Kiran Kumar**<br>**Assistant Professor (Plant Pathology)** |

# SELF STUDY REPORT
*for*
# ACCREDITATION OF PROGRAMMES

# Doctor of Philosophy – Ph.D

**Acharya N. G Ranga Agricultural University**
**AGRICULTURAL COLLEGE**
**BAPATLA-522101**
**GUNTUR DISTRICT, ANDHRA PRADESH**

# AGRICULTURAL COLLEGE
# BAPATLA
# CELEBRATING 75 YEARS
# PLATINUM JUBILEE YEAR
# (Founded on 16th July, 1945)

*"Cultivate faith with seeds of vision to yield fruits of action"*

*Sir S. V. Ramamurthi, I.C.S*

*Advisor to the Governor of the erstwhile Madras State*

*One of the founder visionaries of Agricultural College, Bapatla on its foundation day, 16-07-1945*

# OUR MISSION

As a constituent College of Acharya N. G. Ranga Agricultural University (ANGRAU) and in tune with the ANGRAU's Vision 2020 Strategic Plan Document, the mandated mission statements of this College are:

- Education — To train the manpower needed for agricultural development of the State of Andhra Pradesh.
- Research — To constantly improve and generate technologies for increasing production in agriculture.
- Extension — To assist through the development departments of the Government, in the process of dissemination of the improved technologies to the farmers of Andhra Pradesh

**ANGRAU's Mission statement**

**"Making Agriculture Profitable"**

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## 6.4.1 BRIEF HISTORY OF THE PROGRAMME

The Agricultural College, Bapatla established in 1945. Milestone in the history of the college was starting of Ph.D programme in May 1993 in the departments of Plant Pathology, Plant Physiology and Entomology with an intake of 2 students in each department. The Ph.D programmes in other departments were also started during the course of time. Recently (2020), the academic council approved for starting Ph.D programme in Department of Statistics and Computer Applications.

**PH.D. PROGRAMMES OFFERED IN VARIOUS DEPARTMENTS AND YEAR OF INCEPTION OF THE PROGRAMMES.**

| S.No | Dame of the Department | Year of starting |
|---|---|---|
| 1. | Agronomy | 2006 |
| 2. | Agricultural Economics | 2009 |
| 3. | Agriculture Extension & Communication | 2009 |
| 4. | Entomology | 1993 |
| 5. | Genetics & Plant Breeding | 2009 |
| 6. | Horticulture | - |
| 7. | Soil Science and Agricultural Chemistry | 2010 |
| 8. | Plant Pathology | 1992 |
| 9. | Crop Physiology | 2003 |
| 10. | Statistics and Computer Applications | 2020 |

**The following goals are set for this college keeping in view the vision and mission of the University and College.**

**Long Term Goals**

1. Making Agriculture in Andhra Pradesh viable and profitable through quality education in Agricultural Sciences.

2. Developing qualified and competent human resources for the emerging new trends in Agriculture.
3. Making Agriculture sustainable in the changing global climatic scenario.
4. Ensuring efficient transfer of the latest technology to the farmers.

**Short Term Goals**

1. Providing agricultural education mainly to the rural people in the State of Andhra Pradesh in Agriculture.
2. Improving the quality and relevance of undergraduate and postgraduate education by strengthening UG and PG curricular and research programmes.
3. Creating professional development opportunities for teachers through exposure to recent advances and teaching capabilities.
4. Training human resources in core and emerging areas by introducing new courses / programmes.
5. Providing international / global exposure to students and faculty.
6. Creating entrepreneurial skills and to encourage interaction with business leaders and agribusiness trade and industry.
7. Training youth and women to acquire practical skills and enable them to serve as grass root level functionaries or entrepreneurs.

**Objectives**:

1. To create awareness and interest among the rural youth of Andhra Pradesh in Agriculture and Agricultural production.
2. To provide quality education at UG and PG level by adopting new course curriculum based on emerging trends in agriculture.
3. To impart rural work experience through RAWE programme and entrepreneurial skills through AEL programmes.
4. To create interest in the young minds towards research and development in Agriculture.
5. To equip the students to meet the changing trends in agriculture.
6. To carry out research by students based on the local agricultural problems by identifying the gaps in technology.
7. To encourage the students in taking up higher education at national and international institutes.

8. To develop ICTs for fast dissemination of information on farmer related problems.

## ACCOMPLISHMENTS:

The Doctor of Philosophy was initiated in 1993, and 125 research scholars completed their programs and presented with Ph.D degree in different departments.

**Dr. M. V. Reddy, Professor, Department of Genetics & Plant Breeding developed rice variety BPT-5204 and release in 1980 as "Samba Mashuri"**

**"*The rice rains not grains, but coins*".**

## 6.4.2 FACULTY STRENGTH

### A. DIVISIONS / DEPARTMENTS

### 1. AGRONOMY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1* CAS Prof | -- | 1 |
| 2 | Associate professor | 1 | 1* CAS Prof | -- | 1 |
| 3 | Assistant Professor | 9 | 3 Asst Prof (+3* CAS Prof) | 3 | 5 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. M. Martin Luther | Ph.D | Professor & Head | 33 Years | Soil fertility Management & Forestry | UG/PG/Ph.D |
| 2 | Dr. B. Venkateswarlu | Ph.D | Professor | 33 Years | water management, forage crops | UG/PG/Ph.D |
| 3 | Dr. P. V. N. Prasad | Ph.D | Professor | 33 Years | Nutrient management in cropping system, Rainfed farming& Watershed management | UG/PG/Ph.D |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Dr. K. Mosha | Ph.D | Professor | 31 Years | Integrated Nutrient Management & Crop production | UG/PG/Ph.D |
| 5 | Dr. K. Srinivasulu | Ph.D | Professor | | Weed Management | UG/PG/Ph.D |
| 6 | Shri. P. Venkata Rao | M.Sc | Assistant Professor | 33 Years | Crop production | UG |
| 7 | Ms. Ch. Naga Jyothi | M.Sc | Assistant Professor | 3 years | Organic farming & IFS | UG |
| 8 | Dr. K. Lakshman | Ph.D | Assistant Professor | 7years | Precision farming & Weed Management | UG/PG |

## 2. AGRICULTURAL ECONOMICS

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 2 | Nil | 2 | 0 |
| 2 | Associate professor | 1 | Nil | 1 | 1* (Incl Stat) |
| 3 | Assistant Professor | 4 | 4 | Nil | 5* (incl Stat) |

***Department of Statistics and Computer Applications is separately presented, as the College has separate Department of Statistics and Computer Applications***

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr K Suseela | Ph D | Assistant Professor and Head | 16 | Agricultural Production Economics | UG/PG/Ph.D |
| 2 | Dr B Aparna | Ph D | Assistant Professor | 6 | Agricultural Marketing | UG/PG/Ph.D |
| 3 | Dr V Sitarambabu | Ph D | Assistant Professor | 3 | Agricultural Marketing | UG/PG |
| 4 | Dr K Uma Devi | Ph D | Assistant Professor | 6 | Agricultural Production Economics | IDP work at Lam, Guntur |

## 3. AGRICULTURAL EXTENSION

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | -- | -- |
| 2 | Associate professor | 1 | 1* CAS Assoc Prof | -- | 1 |
| 3 | Assistant Professor | 4 | 1 (+1* CAS Prof) | 2 | 2+1 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. B. Vijayabhinandana | M.Sc(Ag.), Ph.D | Professor | 34 | Agril. Extension/Educational Technology | UG/PG/Ph.D |
| 2 | Dr. K. Ramadevy | M.Sc(Ag.), Ph.D | Professor | 22 | Agril. Extension/Training & Development | UG/PG/Ph.D |
| 3 | Dr. M. Srinivasa Rao | M.Sc(Ag.), Ph.D | Associate professor | 13 | Agril. Extension/Theory building, Entrepreneurship | UG/PG/Ph.D |
| 4 | Dr. V. Jyothi | M.Sc(Ag.), Ph.D | Assistant Professor | 10 | Agril. Extension/Information Communication Technology | UG/PG/Ph.D |

## 4. ENTOMOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1* CAS Prof | -- | |
| 2 | Associate professor | 1 | 1* CAS Prof | -- | 1 |
| 3 | Assistant Professor | 6 | 2 (+4* CAS Prof) | -- | 2 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr Ch. Chiranjeevi, | Ph. D | Prof & Head | 35 | IPM, vegetable and rice Entomology | UG, PG & Ph.D |
| 2 | Dr Ch. Sreenivasarao | Ph. D | Professor | 22 | Insecticide residues, Insect Physiology; Insecticide Toxicology | UG, PG & Ph.D |
| 3 | Dr T. Madhumathi | Ph. D | Professor | 22 | Storage Entomology, Ecology Insecticide Toxicology, | UG, PG & Ph.D |
| 4 | Dr G Rama Chandra Rao | Ph. D | Professor | 22 | IPM; Botanicals, Storage Entomology | UG, PG & Ph.D |
| 5 | Dr D. V Sai Ram Kumar | Ph. D | Professor | 21 | Bio Control | UG, PG & Ph.D |
| 6 | Dr C. Sandhya Rani | Ph. D | Professor | 18 | IPM in pulses, Groundnut, millets, | UG, PG & Ph.D |
| 7 | Sri R. Bala Muralidhar Naik | (Ph. D) | Asst Professor | 14 | IPM in rice and pulses, | UG & PG |
| 8 | Dr B. Ratna Kumari | Ph. D | Asst Professor | 07 | Insecticide Residues, Insecticide Toxicology | UG & PG |

## 5. GENETICS AND PLANT BREEDIG

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor (Direct) | 1 | 1* CAS Prof | -- | 1 |
| 2 | Associate professor (Direct) | 1 | 1 | -- | 1 |
| 3 | Assistant Professor | 7 | 3 (+1*CAS Prof) | 2 | 3 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. V. Satyanarayana Rao | Ph.D | Professor & Head | 34 | Genetics and Plant Breeding | UG, PG and Ph.D |
| 2 | Dr. T. Srinivas | Ph.D | Professor | 22 | Genetics and Plant Breeding | UG, PG and Ph.D |
| 3 | Dr. B. Vijaya lakshmi | Ph.D | Assoc. Professor | 17 | Seed science and technology | UG, PG and Ph.D |
| 4 | Mrs. M. Tushara | M.Sc. Ag, | Asst. Professor | 6 | Genetics and Plant Breeding | UG, PG |
| 5 | Dr. V. Roja | Ph.D | Asst. Professor | 6 | Molecular Biology and Biotechnology | UG, PG and Ph.D |
| 6 | Dr. T. Haritha | Ph.D | Asst. Professor | 3 | Genetics and Plant Breeding | UG, PG and Ph.D |

## 6. HORTICULTURE

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Associate professor | 1 | -- | 1 | 1 |
| 2 | Assistant Professor | 3 | 2 (+TA) | -- | 3 |

* Teaching Associate

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Smt. N. Ratna Kumari | Ph.D pursuing | Assistant Professor | 7 yrs 3 months | Horticulture (Vegetables) | UG |
| 2 | Dr. Y. Bindiya | Ph.D | Assistant Professor | 6 yrs 5 months | Horticulture (Vegetables) | UG |

## 7. SOIL SCIENCE AND AGRICULTURAL CHEMISTRY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | - | |
| 2 | Associate professor | - | - | 1 | |
| 3 | Assistant Professor | 8 | 4 Asst Prof (+*2 CAS Prof) | 2 | |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr.P.R.K Prasad | Ph.D | Professor & Head | 33 yrs 11 months | Remote sensing and GIS, and management of salt affected soils | UG, PG, Ph.D |
| 2 | Dr. A.Lalitha Kumari | Ph.D | Professor | 34 years | Soil fertility and nutrient management | UG, PG, Ph.D |
| 3 | Dr. Ch. Sujani Rao | Ph.D | Professor | 20 yrs 5 months | Soil fertility and water management | UG, PG, Ph.D |
| 4 | Dr.M.Latha | Ph.D | Assistant Professor | 13 yrs 11 months | Soil Fertility, Soil Physics & Pedology | UG, PG, Ph.D |
| 5 | Smt. A.J.Suvarna Latha | M.Sc(Ag) | Assistant Professor | 12 yrs 11 months | Soil fertility and nutrient management | UG, PG |
| 6 | Dr.P.Mohan Rao | Ph.D | Assistant Professor | 6 yrs | Soil fertility and nutrient management | UG, PG, Ph.D |
| 7 | Dr.P.A.Visalakshi Devi | Ph.D | Assistant Professor | 2 yrs 10 months | Soil Pedology | UG, PG, Ph.D |

## 8. PLANT PATHOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | 1 | Nil | -- |
| 2 | Associate professor | 1 | -- | 1 | 1 |
| 3 | Assistant Professor | 4 | 2 Asst Prof (+*2 CAS Assoc Prof) | Nil | 2 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. P. Anil Kumar | Ph D | Professor & Head | 23 | Biological control of plant pathogenic fungi | B. Sc. (Hons.) Agriculture, M. Sc. (Ag), and Ph.D |
| 2 | Dr. V. Prasanna Kumari | Ph D | Associate Professor | 19 | Mycology and Molecular Plant Pathology | B. Sc. (Hons.) Agriculture, M. Sc. (Ag), and Ph.D |
| 3 | Dr. V. Manoj Kumar | Ph D | Associate Professor | 13 | Virology and Molecular Plant Pathology | B. Sc. (Hons.) Agriculture, M. Sc. (Ag), and Ph.D |
| 4 | Sri Sk Abdul Salam | M Sc (Ag) | Assistant Professor | 6 | Plant Pathology, management of Fugal diseases | B. Sc. (Hons.) Agriculture |
| 5 | Sri N. Kiran Kumar | M Sc (Ag) | Assistant Professor | 3 | Fungal Pathology | B. Sc. (Hons.) Agriculture |

## 9. CROP PHYSIOLOGY

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 1 | - | 1 | -- |
| 2 | Associate professor | 1 | - | 1 | -- |
| 3 | Assistant Professor | 4 | 2 + (*2 CAS Prof) | - | 1 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr. S. RATNA KUMARI | Ph.D. (Ag) | PROFESSOR (CAS) | 35 | Crop Physiology, stress physiology | M.Sc (Ag.) and Ph.D |
| 2 | Dr. K. JAYALALITHA | Ph.D. (Ag) | PROFESSOR (CAS) | 22 | Crop Physiology, stress physiology, nutriophysiology | B.Sc (Ag.), M.Sc (Ag.) and Ph.D |
| 3 | Dr. M. RAVI BABU | Ph.D. (Ag) | ASST. PROFESSOR | 10 | Crop Physiology, stress physiology, Plant Growth Regulators | B.Sc (Ag.), M.Sc (Ag.) and Ph.D |
| 4 | Dr. G. VIJAYA KUMAR | Ph.D. (Ag) | ASST. PROFESSOR | 6 | Crop Physiology, stress physiology, Seed Physiology | B.Sc (Ag.), M.Sc (Ag.) and Ph.D |

## 10. STATISTICS AND COMPUTER APPLICATIONS

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Professor | 0 | 1 | - | -- |
| 2 | Associate professor | 0 | 0 | - | -- |
| 3 | Assistant Professor | 4 | 3 | 1 | -- |

*As per ICAR guidelines, recommended strength of Economics includes Statistics.*

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Dr Srinivasa Rao Vatluri | Ph.D in Stat | Professor & University Head | 21 Y 8 Mon | Stochastic Modelling and Experimental Designs | UG/PG/Ph.D |
| 2 | Dr Srinivasulu Kotta | Ph.D in Stat | Asst. Professor | 6 Y 6 M | Regression Models/ Time Series / Design of Experiments | UG/PG/Ph.D |
| 3 | Dr Govinda Rao Sepana | Ph.D in Stat | Asst. Professor | 6 Y 6 M | Stochastic Modelling | UG/PG/Ph.D |
| 4 | Dr Ramesh Dhasyam | Ph.D in Agril. Stat | Asst. Professor | 3 years | Time Series & Forecasting | UG/PG/Ph.D |

## B. SECTIONS

### 1. ANIMAL SCIENCES including Dairy Sciences & Poultry Units

The college has no special animal sciences department.

### 2. AGRICULTURE ENGINEERING + FARM MANAGEMENT

The course components of Agricultural Engineering are dealt by the Staff of Dr. NTR College of Agricultural Engineering, Bapatla
There is no dedicated section for Agricultural Engineering.

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| **FACULTY** | | | | |
| 1 | Farm Superintendent -Senior Scientist (Agro) & Head | 1 | 1 | - |
| 2 | Farm Manager-Scientist/ Asst.Professor | 5 | NIL | The staff from Department of Agronomy are deputed to assist |

### 3. BIOCHEMISTRY Section

| S.No | Sanctioned Faculty | Sanctioned | Faculty in Place | Vacant Position | Faculty recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Assistant Professor | -02- | 1 | 1 | 1 |

| S.No | Name | Highest Educational Qualification | Designation | Years of Experience | Specialization / Areas of Expert | Assigned programs (UG/PG/Ph.D) |
|---|---|---|---|---|---|---|
| 1 | Mrs M.Swapna | M.Sc, M.Phil | Assistant Professor | -06- | Plant Biochemistry | UG & PG |

## DEPARTMENT-WISE TOTAL STRENGTH OF FACULTY
## ABSTRACT

| S.No | Department | Sanctioned strength | | | | In-position (*including promoted under CAS) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Professor | Associate Professor | Assistant Professor | Total | Professor | Associate Professor | Assistant Professor | Total |
| 1 | Agronomy | 1 | 1 | 9 | 11 | 5 | - | 3 | 8 |
| 2 | Agricultural Economics | 2 | 1 | 4 | 7 | -- | -- | 4 | 4 |
| 3 | Agricultural Extension | 1 | 1 | 4 | 6 | 2 | 1 | 1 | 4 |
| 4 | Entomology | 1 | 1 | 6 | 8 | 6 | -- | 2 | 8 |
| 5 | Genetics & Plant Breeding | 1 | 1 | 7 | 9 | 2 | 1 | 3 | 6 |
| 6 | Horticulture | -- | 1 | 3 | 4 | -- | -- | 2 | 2 |
| 7 | Soil Science & Agricultural Chemistry | 1 | -- | 8 | 9 | 3 | -- | 4 | 7 |
| 8 | Plant Pathology | 1 | 1 | 4 | 6 | 1 | 2 | 2 | 5 |
| 9 | Crop Physiology | 1 | 1 | 4 | 6 | 2 | -- | 2 | 4 |
| 10 | Statistics & Computer Applications | -- | -- | 4 | 4 | 1 | -- | 3 | 4 |
| 11 | Farm Management | -- | 1 | 5 | 6 | -- | 1 | -- | 1 |
| 12 | Biochemistry | -- | -- | 2 | 2 | -- | -- | 1 | 1 |
| TOTAL | | 9 | 9 | 60 | 78 | 22 | 5 | 27 | 54 |

*The data does not include Associate Dean, Library, Physical Education, Physics, Botanical Garden.*
*The data does not include sanctioned posts of the college, which are redeployed to other places in University.*

## 6.4.3 TECHNICAL AND SUPPORTING STAFF (including the Farm and Field Workers)

### A. DIVISIONS / DEPARTMENTS

#### 1. AGRONOMY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | -- | 1 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |
| 3 | AWM (Field Assistant) | 1 | 2 | -- | 2 |
| 4 | Contractual (different kinds) | | 1 | -- | |
| 5 | LAB Assistants | -- | 2 | -- | 2 |

#### 2. AGRICULTURAL ECONOMICS (The data for Statistics is presented separately, as the College has separate Department of Statistics and Computer Applications)

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | Nil | 1 (* incl Stat) |
| 2 | Office Subordinate | 2 | 2 | Nil | 3 (*incl Stat) |

#### 3. AGRICULTURAL EXTENSION

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -- | 1 | | 1 |
| 2 | Office Subordinate | -- | 1 | | 1 |
| 3 | AWM | -- | 1 | | -- |
| 4 | Others (Artist Cum photographer) | -- | 2 | | -- |

## 4. ENTOMOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -- | 01 | -- | 1 |
| 2 | Office Subordinate | -- | 01 | -- | 1 |
| 3 | AWM | -- | 01 | -- | -- |
| 4 | Contractual (different kinds) | -- | 01 | -- | -- |
| 5 | Others (Time Scale Worker) | -- | 01 | -- | -- |

## 5. GENETICS & PLANT BREEDING

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 4 | 1 | 3 | 1 |
| 2 | Office Subordinate | 2 | - | 2 | 2 |
| 3 | AWM | 2 | 2 | Nil | 2 |
| 4 | Contractual (different kinds) | Nil | Nil | Nil | Nil |
| 5 | Others (Time scale) | 1 | 1 | Nil | Nil |

## 6. HORTICULTURE

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 0 | 1 | 1 |
| 2 | Office Subordinate | 1 | 1 | 0 | 2 |
| 3 | AWM | -- | -- | -- | 2 |

## 7. SOIL SCIENCE & AGRICULTURAL CHEMISTRY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 9 | 1 | 8 | 3 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |
| 3 | AWM | 0 | 1 | -- | -- |
| 4 | Others (JACT) | 1 | 1 | -- | 1 |

## 8. PLANT PATHOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 2 | Record Assistant | 2 | 2 | - | 1 |
| 3 | Office Subordinate | 1 | - | - | 2 |
| 4 | AWM | 1 | 1 | - | 1 |
| 5 | Contractual (different kinds) | - | 1 | - | -- |

## 9. CROP PHYSIOLOGY

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 2 | 1 | 1 | 1 |
| 2 | Office Subordinate | 2 | 1 | 1 | 1 |

## 10. STATISTICS & COMPUTER APPLICATIONS

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | 1 | 1 | 0 | -- |
| 2 | Office Subordinate | 1 | 1 | 0 | -- |
| 3 | Contractual (different kinds) | 0 | 2 | 0 | -- |

*The Data can be included in Department of Economics for consideration of ICAR recommended staff strength*

## B. SECTIONS

### 1. ANIMAL SCIENCES including Dairy Sciences & Poultry Units

The college has no special animal sciences department.

### 2. AGRICULTURE ENGINEERING + FARM MANAGEMENT

There is no dedicated section for Agricultural Engineering.

**FARM MANAGEMENT**

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| 1 | Agril.Officer | 1 | 1 | NIL |
| 2 | Technical Asst. | - | 1 | |
| 3 | Agricultural Extension Officer | 5 | 6 | |
| 4 | JACT | 1 | 1 | NIL |
| 5 | JACT, Stores I/c | - | 1 | - |
| 6 | Typist | 1 | NIL | 1 |
| 7 | Tractor Driver | 1 | 1 | NIL |
| 8 | Office Subordinate | 1 | 1 | 1 |
| 9 | Record Assistant | 2 | 1 | 1 |
| 10 | Cleaner | - | 1 | 1 |

Agricultural Farm - Manpower (Contractual including Daily wages workers, labour etc.,)

| S.No | Type of Manpower | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Agricultural workmen (AWM)(Men & Women) | 31 | All the persons are engaged daily for various activities like Watch & ward, other farm activities like irrigation in orchard block, field operations in paddy seed production plots, PG & Ph.D student experiments etc., |
| 2 | Time scale employees (Men & Women) | 87 | |
| 3 | On work Contract basis (Men & Women) | 9 | |

## 3. BIOCHEMISTRY Section

| S.No | Sanctioned (Designation) | Sanctioned | Staff in Place | Vacant Position | recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Record Assistant | -01- | -- | -01- | -01- |
| 2 | Office Subordinate | -01- | | -01- | -- |

**STRENGTH OF TECHNICAL AND SUPPORTING STAFF IN THE COLLEGE UNDER THE DAMINISTRATIVE CONTROL OF ASSOCIATE DEAN**

| Name of the Post/ Cadre | No. of Posts Sanctioned | In position (filled) | Vacant |
|---|---|---|---|
| Admn. Officer | 1 | 1 | -- |
| Agricultural Officer | 1 | 1 | -- |
| Superintendent | 2 | 2 | -- |
| Senior Assistant | 8 | 4+1 | 3 |
| UD Care Taker | 1 | 1 | -- |
| UD Steno | 1 | 1 | -- |
| J.A.C.T | 13 | 5 | 8 |
| Senior Lib.Asst | 1 | 1 | -- |
| Jr.Lib.Asst | 3 | 1 | 2 |
| Rec. Assistant | 32 | 24+1 | 7 |
| Xerox Operator | 1 | -- | 1 |
| Shelf Assistant | 5 | 1 | 4 |
| Workshop Supervisor | 1 | - | 1 |
| Arti-cum-Photographer | 2 | 1 | 1 |
| A.E.O. | 6 | 6 | -- |
| Projector Operator | 1 | - | 1 |
| Mech.Grade-II | 1 | -- | 1 |
| Inst.Mech | 1 | -- | 1 |
| Driver | 5 | 3 | 2 |
| Tractor Driver | 1 | -- | 1 |
| Carpenter | 1 | -- | 1 |
| Oil. Engg. Driver | 1 | - | 1 |
| Jr .Binder | 1 | 1 | -- |
| Pharmacist(Grade-II) | 1 | -- | 1 |
| Dresser | 1 | -- | 1 |
| Veterinary Assistant | 1 | -- | 1 |
| Engg. Maistry | 1 | -- | 1 |
| Pipeline Fitter | 1 | -- | 1 |
| Gasman | 1 | -- | 1 |
| Office Subordinate | 31 | 20 | 11 |
| Lusker | 1 | -- | 1 |
| Pump Attendant | 1 | -- | 1 |
| Cleaner | 4 | 3 | 1 |
| Watchman | 1 | -- | 1 |
| Elec. Helper | 1 | -- | 1 |
| Ward. Boy | 1 | -- | 1 |
| Kamati (Health Clinic) | 1 | 1 | -- |
| Sweep-cum-Scavenger | 1 | 1 | -- |
| A.W.M | 94 | 63 | 31 |
| **TOTAL::::** | **232** | **143** | **89** |

## 6.4.4 CLASSROOMS AND LABORATORIES

All theory and practical classes for Post Graduation and Ph.D. are being conducted in respective departments. Each department have one PG and Ph.D. classroom, separately for each programme. The data on number of laboratories and equipments available in each laboratory of every department is presented below. Each department have various types of laboratories as per their requirements for PG, Ph.D and other research projects. The Number and size vary accordingly. The laboratories are usually common for both PG and Ph.D. students for conducting the practical classes and hand-on training and learning. The PG students have full access to labs in the departments and will be encouraged to fully learn and understand principle and operation of various laboratory and analytical equipments, and machinery. Usually, every department will have minimum of three PG laboratories or working faculties, besides special environment / requirement laboratories with limited access. The PG students can work in any laboratory across all departments as per their requirement and are always encouraged to experience the research facilities available in different laboratories available in the college.

The college have state-of-the-art *Central Instrumentation Unit* for the benefit of all faculty and Postgraduate and Ph.D. students, developed with the special grants from NABARD. The CIC is a common facility, in addition to laboratories at departments, have various specialized laboratories and the facilities are available for use since 2019. The Central Instrumentation facility is equipped with all state-of-the-art analytical equipments useful for basic research in the field of biology and chemistry. The facility is having analytical chemistry, biotechnology, microbiology, testing laboratories. The equipments include Liquid chromatography, Gas chromatography, Mass Spectroscopy, Atomic Absorption Spectroscopy, Real-time Polymerase Chain reaction, Electrophoresis, Soil and leaf analyzers, all kinds of sensitive and analytical balances, un-interrupted power supply, and many routine use instruments and equipments. The various laboratories in CIU are crop production, microscopy, molecular biology & biotechnology, tissue culture, plant protection, remote sensing & GIC, heating room etc.

The Agricultural College is having a separate *Research and Demonstration Farm* which was started in 1950 and the present total area of the farm is 116 ha. The soils of the college farm vary from sandy soils of coastal belt to black soils of deltas. The farm was divided into 5 blocks for administrative convenience *viz*., Wetland block, Northern block, Orchard block, Southern block and Yard block. Each block is under the control of one farm manager.

The farm with different crops in different seasons and conditions is highly suitable for experiencing the UG students to learn various agronomic and agricultural practices, as the farm maintains a crop cafeteria and technology demonstration plots. The Farm maintains separate area with different conditions and soils for the benefit of PG student's research. The farm also has enough farm equipment, machinery and processing units for the purpose. The farm has one classroom and many storerooms for the purpose of hands-on learning and training.

In addition to the laboratory facilities available in various departments for practical of UG and PG courses, the Central Instrumentation Cell and College Farm also used by the faculty for conducting practical classes.

**CLASSROOMS AND LABORATORIES FOR PROGRAMMES:**

| Programme | Number of Theory Classrooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph. D | 8 | 26 | All the classrooms and functional laboratories are sufficient to meet the instructional, hands-on training practicals and research requirements |

*## The department-wise data for Ph.D. classrooms and Laboratories is presented below:*

**THEORY AND PRACTICAL BATCHES FOR THE PROGRAMMES:**

| Name of the Programme | Total Intake/year | Number of Theory Batches (per year) | No. of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| Ph. D | 1 – 4 ** | 1 | < 20 | 1 | < 5 |

** *The intake for Post Graduate Programmes vary with department, but not exceeding to 5 students in Ph.D. The Number is as per the allotment made by University.*

## *The department-wise data for PG and Ph.D classrooms and Laboratories is presented below:*

**AGRONOMY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph.D. | 1 | 1 | Sufficient |

***Theory and practical batches for programmes:***

| Name of the Programme | Total Intake/year | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| Ph.D | 2 | 1 | 2 | 1 | 2 |

**ECONOMICS**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph.D. | - | - | |

***Theory and practical batches for programmes:***

| Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| Ph.D | - | - | - | - | - |

**AGRICULTURAL EXTENSION**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph.D. | - | 1 | Sufficient |

***Theory and practical batches for programmes:***

| Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| Ph.D | 4 | 1 | 4 | 1 | 4 |

**ENTOMOLOGY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph.D. | 01 | 01 | Sufficient |

***Theory and practical batches for programmes:***

| Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| Ph.D | 2-5 | one | 2-5 | one | 2-5 |

**GENETICS & PLANT BREEDING**

| Programme | No. of Theory Class Rooms | No. of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph.D. | - | 01 | Separate classroom and laboratory facilities are not available. |

***Theory and practical batches for programmes:***

| Name of the Programme | Total Intake/years* | No. of Theory Batches (per year) | No. of students in theory class | No. of Practical Batches (per year) | No. of students in Practical class |
|---|---|---|---|---|---|
| Ph.D. | 1 - 6 | 1 | 1 - 6 | 1 | 1 - 6 |

**SOIL SCIENCE AND AGRICULTURAL CHEMISTRY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph.D. | 1 | 1 | Sufficient for conducting PG & Ph.D classes |

***Theory and practical batches for programmes:***

| Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| Ph.D | 3 | 1 | 3 | 1 | 3 |

**PLANT PATHOLOGY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph. D. | 1 | 1 | The existing class room and Lab facility is sufficient to Ph.D programmes |

***Theory and practical batches for programmes:***

| Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| Ph. D | 2 | 1 | 2 | 1 | 2 |

**CROP PHYSIOLOGY**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph.D. | 1 | 2 | Two PG laboratories are sufficient for PG students since the equipments occupy larger area. |

***Theory and practical batches for programmes:***

| Name of the Programme | Total Intake/ years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| Ph.D | 1-4 | 1 | 1-4 | 1 | 1-4 |

**STATISTICS & COMPUTER APPLICATIONS**

| Programme | Number of Theory Class Rooms | Number of Functional Laboratories | Justify if it is sufficient to meet course curricula |
|---|---|---|---|
| Ph.D. | 1 | 1 | Yes |

***Theory and practical batches for programmes:***

| Name of the Programme | Total Intake/years | Number of Theory Batches (per year) | Number of students in theory class | Number of Practical Batches (per year) | Number of students in Practical class |
|---|---|---|---|---|---|
| Ph.D | 2+1 | 1 | 3 | 1 | 3 |

**LIST OF MAJOR EQUIPMENTS / LABORATORIES / FARM FACILTIES / WORKSHOPS / OTHER INSTITUTIONAL UNITS utilized for award of Ph.D. Programs**

## DEPARTMENT WISE

### AGRONOMY

| Lab Name | Name of the Equipment (List all equipments) | No.s |
|---|---|---|
| Lab-01<br>939.68 sqft<br>Lab-02<br>668.36 sqft<br>Seminar Hall<br>811.2sqft | EC meter | 2 |
| | Flame Photometer | 1 |
| | Spectrophotometer | 1 |
| | Kelplus Automatic Nitrogen dual Distillation system | 1 |
| | Water still double coil 8L (Syntex) | 2 |
| | Infrared moisture balance | 1 |
| | Laboratory glassware drawer | 1 |
| | Rotary shaker | 4 |
| | Muffle furnace | 1 |
| | Kjeldhal micro distillation | 2 |
| | All glass double distillation unit | 2 |
| | 500 litres crest cooler (voltas) | 2 |
| | E class with white board short throw projector | 1 |

### AGRICULTURAL ECONOMICS

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| LAB-01 | Computers | 2 |
| | Camera | 1 |

### AGRICULTURAL EXTENSION

| Lab Name | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| Agril Extension PG lab (PG-01) | Automatic Slide Projector (Kindermann) | 1 |
| | HP Pavilion 500-2101X DVD Drive | 1 |
| | Numeric UPS 1 KV | 1 |
| | Studio master cardless collor mike | 1 |
| | HP Laptop 15-R062TUI3/4GB/500GB DVD RW 15.6 | 1 |
| | Epson Projector 803 | 1 |
| | Cannon Scanner | 1 |
| | Hanging screen with accessories for LCD Projector | 1 |

| | | |
|---|---|---|
| Agril Extension PG lab (PG-2) | Automatic Slide Projector (Kindermann) | 1 |
| | HP Pavilion 500-2101X DVD Drive | 1 |
| | Numeric UPS 1 KV | 1 |
| | Studio master cardless collor mike | 1 |
| | HP Laptop 15-R062TUI3/4GB/500GB DVD RW 15.6 | 1 |
| | Epson Projector 803 | 1 |
| | Cannon Scanner | 1 |
| | Hanging screen with accessories for LCD Projector | 1 |

**ENTOMOLOGY**

| Name of the Laboratory | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| POST GRADUATE LABORATORIES | Binocular Microscope | 20 | |
| | Olympus stereoscopic binocular microscope | 09 | To view small insects and different parts for taxonomy studies |
| | Insecticides for showing students/Representative for each group | As per requirement | All groups of insecticides |
| | Stereomicroscope | 01 | |
| | Trinocular stereo Research Microscopes & Accessories | 03 | To view small insects and different parts for taxonomy studies |
| | Labomed Stereo Microscope | 02 | |
| | Phase contrast attachments: cx/ph1/ph2 for cx21-tr | 01 | To take good photographs for research purpose |
| | Digital camera olympus - model sp-350/sp-320, 8mp | 01 | |
| | Magnoscope | 01 | To count stored grain insects in the infested material |
| | Electronic balance | | |
| | Electronic digital balance BL 220 with wind shield | 01 | To weigh very small quantities with accuracy |
| | Shimadzu Electronic | 01 | |

| | | | |
|---|---|---|---|
| | moisture balance Model MOC 1204 Cap 120g | | |
| | Shimadzu Electronic balance Mode AU X220 Cap 220 mg | 01 | |
| | Soxhlet extraction apparatus | | |
| | Soxhlet extraction mantle – 500ml | 01 | For extraction of botanicals |
| | Oven | 2 | |
| | Godrej micro wave oven(17L) | 01 | To sterilize media |
| | Hot air oven Kemi make | 01 | To sterilize glass material |
| | Potters tower | 01 | |
| | Potter spray tower | 01 | To conduct bioassays |
| | Sprayers | | |
| | Aspee ganesh air compression steel Sprayers (hand operated: 1lt capacity) | 02 | For spraying |
| | Fumigation chamber | 01 | |
| | Fumigation chamber | 01 | For dis infestation of rearing media |
| | Burrow fumigator | 01 | Display and demo purpose |
| | Slides/cover slips | As per requirement | Display and for preparation of permanent slides |
| | pH meter | 01 | |
| | pH meter digital | 01 | To measure pH of insecticide spray solutions, media |
| | Others | | |
| | Incubators | | |
| | Incubators KSE-15 | 01 | To rear insects at required environmental conditions |
| | BOD incubator | 01 | |
| | Labtop Micro controller(PID) based environmental plant growth chamber | 01 | |
| | Heating mantles | | |
| | Hot plate tempo type ti | 02 | Heating of working samples |

| | | | |
|---|---|---|---|
| | 85-tc 20.5 cm 1KW | | |
| | Heating mantle – big – 2000ml | 02 | |
| | Heating mantle – small – 500ml | 02 | |
| | Chromatography | | |
| | Chromatography cabinet | 01 | Analytical equipment for amino acids, nutritional components |
| | Chromatography columns 18 mm x 300nm | 12 | |
| | Thermometers | | |
| | Thermometers 0-110$^0$C | 10 | To measure temperature and humidity while experimentation |
| | Soil thermometers | 02 | |
| | Maximum & minimum thermometer | 01 | |
| | Water bath | | |
| | Water bath "kemi" 7 lts | 01 | To clear insect tissues to prepare permanent slides |
| | Electrophoresis | | |
| | One Horizontal and one vertical electrophoreses units along with accessories | 01 | To conduct biotechnology studies |
| | LA 842 Electrophoresis Power supply & LA 844- Hi Eco Mini Horizontal Gel Box | 01 | |
| | Spectrophotometer | | |
| | UV-VIS. Digital spectrophotometer | 01 | To conduct biochemical analysis and residue analysis |
| | Centrifuges | | |
| | Refrigerated centrifuge (20000rpm) | 01 | To conduct insect pathology and physiology studies |
| | Remi – 24 Research Centrifuge | 01 | |
| | Refrigerators | | |
| | LG Refrigerator double door | 01 | To preserve samples |
| | Laminar air flow | | |
| | Kemi laminar air flow | 01 | To conduct insect pathology |

| | | | |
|---|---|---|---|
| | (klfv-4ss) | | studies |
| | Corkborer set | 01 | |
| | Water distillation unit | | |
| | All Glass Double Distillation unit, Borosil make | 01 | To collect double distilled water |
| | Glass bead sterilizer | | |
| | Kemi glass bead sterilizer 2"x5 ½" | 01 | For laminar air flow |
| | Kemi glass bead sterilizer 2"x6 ½" | 01 | |
| | Fume hood | | |
| | Kemi fume hood (kfh 3) | 01 | To work with strong acids |
| | Fire extinguishers | | |
| | 4.5 kg Capacity $Co_2$ BC type fire extinguisher | 01 | Safety measure |
| | 5 kg Capacity $Co_2$ ABC type fire extinguisher | 01 | |
| | Vacuum based equipment | | |
| | Med Vac pump | 01 | For PG class work and experiments |
| | Rotary vacuum pump | 01 | |
| | Rotary vacuum evaporator | 01 | For concentrating the extracts |
| | Vacuum cleaner | 01 | Cleaning of lab |
| | Vacuum desicators | 02 | Rearing insects |
| | Vacuum manifold with single arm | 01 | To create required vacuum |
| | Humidity& pressure measuring equipment | | |
| | Humidity meter | 01 | To measure RH in Lab |
| | Digital Pressure Gauge Single Head | 01 | |
| | Dissection/rearing items | | Dissections in practicals |
| | Dissecting cases | 03 | |
| | Dissection trays with wax 10x 8" | 50 | |
| | Rearing cages 36''x30''x21'' (field cages) | 06 | For insect rearing |

| | | | |
|---|---|---|---|
| | Rearing cages 30''x21''x21'' | 06 | |
| | Blenders/mixers | | |
| | Sumeet mixi | 01 | Required for PG research |
| | Blender | 01 | |
| | Vortex stirrer/mixer | 01 | |
| | Shaking machine | 01 | |
| | Blowers | | |
| | Hot air blower | 01 | For drying TLC plates |
| | Aluminum blower | 01 | |
| | Syringes/pipette | | |
| | Hamilton micro litre syringes | 06 | Measurement of samples |
| | Repeading dispenser – Hamilton | 01 | |
| | Eppendorf research adjustable volume pipette | 01 | |
| | Standard sieve set | 01 | Nematology and storage Entomology experiments |
| | Camera Lucida | 09 | Insect drawings |
| | Inoculation chamber | 01 | |
| | Abels flash point apparatus with energy regulator | 01 | Toxicology experiment |

**GENETICS & PLANT BREEDING**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab wise) |
|---|---|---|---|
| Genetics Lab 53 x 39 ft | Monocular microscopes | 57 | For conducting Cytogenetics practicals – Used for cell division practicals - Mitotic and Meiotic phases |
| | Microtome | 1 | For preparation of Mitotic and Meiotic slides |
| Plant breeding & seed technology lab | Dissection microscopes | 20 | For conducting plant breeding practicals - Used the microscopes for dissecting |

| | | | |
|---|---|---|---|
| 53 X 39 ft | | | small flowers ( flowers of Graminaea members) |
| Biotechnology Lab<br>39 x 26 ft | Hot air oven | 2 | For drying of plant samples |
| | Bacteriological Incubator | 1 | For incubation of bacteria samples |
| | Centrifuge & spectrofuge | 3 | Short spinning of DNA samples |
| | Double distillation unit | 1 | For procuring distilled water to conduct the practicals (DNA isolation etc.) |
| | Gel Electrophoresis Unit | 1 | For separation of DNA samples |
| | Pipettes | 4 | Used while conducting the practicals |
| | L. G. Microwave oven | 1 | It is used for melting of agaraose for preparation of gel and preparation of solutions |
| | Thermostatic controlled water bath | 1 | For DNA isolation and incubating the samples in the hot water bath while isolating the DNA |
| | Electrophoresis with power supply | 2 | For separating the DNA samples |
| | Gel Doc system | 1 | For visualization and documentation of gels |
| | Autoclave | 1 | For sterilization of chemicals |
| | Digital $P^H$ meter | 1 | For checking the $P^H$ of solutions while preparation |
| | Deep freezer vertical spectrum | 1 | For preserving DNA samples and chemicals |
| | Laminar Air flow bench horizontal | 1 | For inoculation of tissue culture samples |
| | Tissue culture racks | 2 | For growing of tissue culture generated plants |
| | Hot plate | 1 | For preparation of solutions |

**SOIL SCIENCE & AGRICULTURAL CHEMISTRY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| PG Laboratory 1500 sq.ft | 1.Refrigerator | 1 | To preserve prepared chemicals & soil samples |
| | 2.pH meter | 1 | To estimate pH |
| | 3.EC meter | | To estimate EC |
| | 4. Hot air Oven | 1 | Drying of soil & plant samples |
| | 5.Spectrophotometer | 1 | To estimate P, S |
| | 6.Atomic absorption Spectrophotometer | 1 | To estimate micronutrients |
| | 7.Centrifuge | 1 | To estimate CEC in soil |
| | 8.Hotplate | 1 | Plant samples digestion for other N (For P, K & micronutrients) |
| | 9.Water bath | 1 | Heating of samples |
| | 10.Muffle furnace | 1 | To determine ash content |
| | 11. Kelplus N analyser (Distillation set) | 1 | To estimate N content |
| Soil Biology Laboratory 450 Sq.ft | 1.BOD Incubator | 1 | To maintain required temp |
| | 2.Colony counter | 1 | To determine microbial count |
| | 3. Autoclave | 1 | To sterilize mediums |
| | 4.N digestion unit | 1 | To digest plant samples |
| | 5.Inoculation chamber | 1 | Isolation and inoculate |

**PLANT PATHOLOGY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| PG Lab 1672 sq.ft | Microscopes | 10 |
| | Stereo binocular | 1 |
| | Autoclave | 1 |
| Molecular Pathology 306 sq. Ft. | Oven | 1 |
| | Deep freeze | 1 |
| | Refrigerator | 1 |

| | | |
|---|---|---|
| | Incubator | 1 |
| | Occular meters | 5 |
| | Stage micrometers | 5 |
| | Camera lucida | 5 |
| | Laminar air flow | 2 |
| | Colony counter | 1 |
| | Distillation set | 1 |
| | pH meter | 1 |
| | PCR machine | 1 |
| | Gel electrophoresis apparatus | 2 |
| | Minispin | 1 |
| | Centrifuge (refrigerarted) | 1 |
| | Spectrophotometer | 1 |
| | Image analyser microscope | 2 |
| | UV trans illuminator | 2 |
| | Magnetic stirrer | 2 |
| | Microwave oven | 1 |
| | Haemocytometer | 10 |

**CROP PHYSIOLOGY**

| Name of the Lab | Name of the Equipment (List all equipments) | Numbers |
|---|---|---|
| PG Lab1<br>300 sq.ft | Digital visible spectrophotometer | 2 |
| | Leaf area meter LP-80 | 1 |
| | Precision balance(wensar) | 2 |
| | Refrigerated centrifuge remi C24+ with accessories | 2 |
| | SPAD KONICA MINOLTA chlorophyll meter (SPAD-502) | 1 |
| | Horizontal cylindrical high speed autoclave | 1 |
| | Elecric balance | 1 |
| | TPS-2 portable Pn system | 1 |
| | Water bath-(S.STEEL) | 1 |
| | Preethi mixi | 1 |
| | Ganesh sprayer | 1 |
| | Digital moisture meter | 1 |
| | Electronic precision balance | 1 |
| | Digital infrared thermometer | 1 |
| | Digital EC meter | 1 |
| | Digital pH meter | 1 |
| | Electric spray gun E-88 | 1 |

| | | |
|---|---|---|
| | Electrophoresis equipment -1 | 1 |
| | Single pan analytical balance keyroy | 1 |
| | Triple beam balnce | 1 |
| | Hot air oven | 1 |
| | Delta T leaf area meter | 1 |
| | Scientific automatic electrically heated all glass double distillation apparatus | 1 |
| | Magnetic stirrer with hot plate | 1 |
| | Hot plate round tempo | 1 |
| | Dona single pan balance | 1 |
| | Measuring tape | 1 |
| | Refrigerator | 1 |
| | Magnus stereomicroscope | 1 |
| | Electric spray gun E-88 | 1 |
| PG Lab 2<br>240 sq.ft | Leaf area meter SYSTRONICS | 1 |
| | UV-VIS spectrophotometer SYSTRONICS TYPE-119 | 1 |
| | Electronic Precision balance (SARTORIUS, BSA42CW) | 2 |
| | Refrigerated centrifuge remi C24+ with accessories | 2 |
| | BOD incubator 280 Lit (in LAB with stabilizer) | 1 |
| | Liquid N2 container | 1 |
| | Power sprayer (rally) | 1 |
| | Soil pH and moisture tester | 1 |
| | Electronic digital pocket balance | 1 |
| | Pocket type pH meter | 1 |
| | Electrophoresis equipment -2 | 1 |
| | Haemocytometer | 1 |
| | General purpose laboratory centrifuge | 1 |
| | Ultraviolet lamp | 1 |
| | Digital conductivity meter | 1 |
| | Microphotographic equipment (Nikon camera FM-10 with flash, closeup lens kit and stand microscope adapter | 1 |
| | Rectangular hotplate | 1 |
| | Electric Bunsen with energy regulator | 1 |
| | Magnus microscope | 2 |
| | Magnetic stirrer with hot plate | 1 |

**STATISTICS AND COMPUTER APPLICATIONS**

| Name of the Lab | Space (sq.ft) | Name of the Equipment (List all equipments) | Numbers | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|---|
| Data Analysis Room | 150 sft | PCs<br>2 KVA UPS<br>LCD Projector | 4<br>1<br>1 | For Data Analysis and practical exams based on Skill test |

## CENTRAL INSTRUMENTATION UNIT

Central Instrumentation cell was initiated at the Agricultural College, Bapatla during 2018. Central Instrumentation Cell is conveniently being divided into five different laboratories comprising of Crop production, Microscopy, Molecular Biology and Biotechnology, Plant Protection and Remote Sensing & GIS laboratory. A total of 57 equipments were installed and distributed in these laboratories for the benefit of M Sc and Ph D students.

| S. No. | Laboratory | Room Dimensions |
|---|---|---|
| 1 | Crop Production Laboratory | |
| | Crop Production Laboratory | 14.5 x 8.5 m |
| | AAS laboratory | 4.7 x 2.8 m |
| | CHNS laboratory | 4.7 x 2.8 m |
| | Inductive coupled plasma emission spectrophotometer | 4.7 x 2.8 m |
| 2 | Microscopy Laboratory | |
| | Sample preparation laboratory | 4.7 x 4.2 m |
| | Light microscopy laboratory | 4.7 x 4.2 m |
| | SEM laboratory | 4.6 x 4.1 m |
| | TEM laboratory | 4.6 x 4 m |
| 3 | Molecular Biology and Biotechnology Laboratory | 16.4 x 8.9 m |
| | Plant Growth Chamber Laboratory | 8.7 x 4.7 m |
| | Tissue Culture Laboratory | 4.1 x 2.2 m |
| 4 | Plant Protection Laboratory | 16.5 x 9.7 m |
| 5 | Remote Sensing & GIS Laboratory | 8.7 x 6.0 m |
| 6 | Common Facility | |
| | Wash area/Media preparation | 4.1 x 2.2 m |

| | | |
|---|---|---|
| | Heat Generation room | 4.1 x 2.2 m |
| | Inoculation room | 4.1 x 2.2 m |
| 7 | Conference Hall | 12.5 x 8.9 m |
| 8 | Generator Room | |
| 9 | RO water Room | |

| Name of the Lab | Name of the Equipment (List all equipments) | No. | Speciality to conduct practical / hands-on training (lab-wise) |
|---|---|---|---|
| Crop Production Laboratory 1756 sq.ft | Portable Photo Synthetic Meter | 1 | To measure the photosynthesis rate and stomatal conductance |
| | Quantum Sensor With Data Logger | 1 | To mreasure luminance and irradiance |
| | Plant Canopy Analyzer | 1 | For measuring Photosynthetically active radiation (PAR) |
| | Leaf area meter | 1 | Fast and accurate measurement of leaf area |
| | Plant Stress Meter/ Chlorophyll fluorometer | 1 | Measurement of nutrient stress in plants and chlorophyll fluorosence emissions from the sample |
| | Flame Photometer | 1 | For estimating K, and Na content of the sample |
| | Kjeltron Automatic N Estimation system | 1 | For estimating N content of the sample |
| | NIR Grain Analyzer | 1 | Moisture, protein and oil content in grains |
| | Line Quantum Sensor | 1 | For estimating Photosynthetically active radiation (PAR) |
| | Digital pH meters | 8 | For estimation of $P^H$ |
| | Digital balances | 5 | For weighing samples |
| | Water Potential Meter/ Dew point potential meter | 1 | For measuring water potential |
| | Pyranometer | 1 | To find out solar irradiance ($W/m^2$) |
| | Hot plates | 4 | For digestion of the samples |
| | Double Distillation Apparatus | 2 | For producing distil water for AAS |
| | Digital conductivity meters | 4 | For estimating EC |
| | Fume hood | 2 | For digestion of the samples |

| | | | |
|---|---|---|---|
| | Atomic Absorption Spectrophotometer | 1 | To determine the micronutrient composition of plant / soil samples. |
| | Inductive coupled plasma emission spectrophotometer | 1 | Used for detection of chemical elements |
| Microscopy 309 sq.ft | Trinocular Stereo Microscope with Camera | 2 | To take observations of small insects, micrometry along with measurements For microphotography |
| Molecular Biology and Biotechnology 1571 sq.ft | Tissue lyser | 1 | Grinding of leaf sample |
| | Thermal cycler PCR | 4 | Carrying out polymerase chain reaction |
| | Digital droplet PCR | 1 | PCR and DNA quantification |
| | DNA cross linker | 1 | Crosslinking of DNA to the membranes/preparation of probes |
| | Hot air oven | 3 | Dry heat sterilization |
| | Electroporator | 1 | DNA transformation |
| | Thermomixer | 1 | Mixing of samples in closed tubes under controlled temperature |
| | 2D electrophoresis | 1 | Proteomics studies |
| | Magnetic stirrer | 2 | Stirring of chemicals |
| | Top loading balance | 5 | Weighing of samples |
| | Laboratory trollies | 6 | Carrying /handling of large number of samples in the laboratory |
| | -80$^0$C freezer | 2 | Preservation of test samples/chemicals |
| | Refrigerated incubator cum shaker | 2 | Incubation of the sample below ambient temperature with shaking facility |
| | UV Torch | 1 | Observation of invisible samples and elimination of germs on the surface |
| | Micropippetts | 7 | Handling of liquids /samples for conducting experiments |
| | Elisa reader with microplate washer | 2 | Measument and interpretation of ELISA test |
| | UV VIS spectrophotometer | 1 | Quantitative determination of different analytes in the test samples |
| | Gel rocker | 1 | Two dimensional shaking platform for gels |
| | -20$^0$c freezer | 2 | Preservation of samples and chemicals |
| | Nano analyser | 1 | Quantification of DNA and RNA |
| | Vortex shaker | 2 | Mixing of liquid sample vials |

| | | | |
|---|---|---|---|
| | Minispin | 4 | Short spinning the sample/spinning of the sample for short duration |
| | Refirgerated microcentrifuge | 1 | Centrifugation of the sample at lower temperature |
| | Pipetteman 10 ml | 6 | Handling of liquids |
| | Waterbath | 2 | Heating of sample/incubation of sample in water at constant temperature for longer period of time |
| Tissue culture lab 900 sq.ft | Tissue culture racks | 8 | Culturing of plants under invitro conditions |
| | Autoclave vertical | 3 | Wet heat sterilization/Sterilization of chemicals and plastic ware prior the conduct of experiments |
| | 10KVA UPS | 10 | Generating powerbackup to the entire lab |
| Plant Protection Laboratory 1722 sq.ft | Burkard Potter Spray Tower | 1 | To do pesticide dose analysis |
| | *In situ* Sterilizable glass vessel fermentor 3L | 1 | Fermentation of culture formulation |
| | BOD Incubator | 10 | Culturing of microbes |
| | Rotary vacuum Evaporator | 1 | Separation of metabolites etc |
| | Digital Micropettes kit | 1 set | Precise transfer of solutions |
| | Magnetic Stirrer with Hot Plate | 5 | Dissolving the solutes |
| | Laboratory Hot Air Oven | 4 | Hot air sterilization |
| | Autoclave Vertical | 3 | Steam sterilization |
| Remote Sensing & GIS Lab 562 sq.ft | ERDAS software | 1 | For image analysis of data obtained from NRSC |

## COLLEGE FARM:

The Agricultural College Farm was initially started in 1945 on a leased land at Machavaram Village, 17 Km away from Agricultural College, Bapatla for a period of five years. It was later shifted to the present location in the year 1950 having an area of 176

ha. Cashew Research Station and Gram Sevak's Training centre were allotted 60 ha. The present total area of the farm is 116 ha. It is situated at an altitude of 5 m above mean sea level at 80º 30' E longitude and 15º 84' N latitude and 8 km away from the Bay of Bengal and 3 km away from Agricultural College campus. The soils of the college farm vary from sandy soils of coastal belt to black soils of deltas.

**The mandate of farm: -**

- Imparting practical knowledge and skills in cultivation of crops to the students of agriculture.
- Providing research facilities to the Post-graduate students of agriculture.
- Foundation seed production of rice varieties.
- Maintenance of Crop Cafeteria and Technology demonstrational plots.

The farm was divided into 5 blocks for administrative convenience *viz*., Wetland block, Northern block, Orchard block, Southern block and Yard block. Each block is under the control of one farm manager.

| **Details of various field facilities** | **Area (Ha)** |
|---|---|
| Total Farm area | 116.00 |
| Agroforestry | 3.81 |
| Cultivable area (Wet + ID + Aqua) | 66.71 |
| Wet | 48.29 |
| I. D | 18.42 |
| Aquaculture | 07.95 |
| Roads, buildings, canals, etc., | 19.53 |
| IMD + Forest Department | 1.40 |
| ARS + SWS(Agril.Research Station & saline Water scheme) | 24.55 |

**Block wise area**

| **Type** | **Area (Ha)** | **Speciality to conduct Instructional / Research / Hand-on training etc., for students** |
|---|---|---|
| Northern Block | 33.58 | PG & Ph.D: Experiments are conducted in different |

| | | |
|---|---|---|
| Southern Block | 28.15 | blocks of the college farm as per the requirement of land for different crops taken up by the students. Every year, approximately 9 to 10 ha area is allotted for PG & Ph.D trials |
| Wetland Block | 4.00 | |
| Orchard Block | 9.22 | |
| Godowns & stores | 1.58 | |

**Manpower (Permanent)**

| S.No | Name of the position | Sanctioned | Staff in place | Vacant |
|---|---|---|---|---|
| **FACULTY** | | | | |
| 1 | Farm Superintendent - Senior Scientist (Agro) & Head | 1 | 1 | - |
| 2 | Farm Manager-Scientist/ Asst.Professor | 5 | NIL (At present) | The staff from Department of Agronomy are deputed to assist |
| **NON-TEACHING STAFF** | | | | |
| 1 | Agril.Officer | 1 | 1 | NIL |
| 2 | Technical Asst. | - | 1 | |
| 3 | Agricultural Extension Officer | 5 | 6 | |
| 4 | JACT | 1 | 1 | NIL |
| 5 | JACT, Stores I/c | - | 1 | - |
| 6 | Typist | 1 | NIL | 1 |
| 7 | Tractor Driver | 1 | 1 | NIL |
| 8 | Office Subordinate | 1 | 1 | 1 |
| 9 | Record Assistant | 2 | 1 | 1 |
| 10 | Cleaner | - | 1 | 1 |

**Manpower (Contractual including Daily wages workers, labour etc.,)**

| S.No | Type of Manpower | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Agricultural workmen (AWM)(Men & Women) | 31 | All the persons are engaged daily for various activities like Watch & ward, other farm activities like irrigation in orchard block, field |
| 2 | Time scale employees (Men & Women) | 87 | |

| | | | |
|---|---|---|---|
| 3 | On work Contract basis (Men & Women) | 9 | operations in paddy seed production plots, PG & Ph.D student experiments etc., |

**List of Equipments available at Farm**

| S.No | Name of the Equipment | Numbers | Purpose |
|---|---|---|---|
| 1 | Tractors | 2 no. | For all ploughing purposes and also transport of material with the available trailer |
| 2 | Combine harvester | 2No | For harvesting and threshing of Paddy seed production plots in College Farm. Only one is in working condition |
| 3 | Paddy Seed grader | 1 No. | For paddy seed processing |
| 4 | Paddy seed cleaning and grading machine | 1 No | To be installed. It is for processing of paddy seed |
| 5 | Rice planter (Kuboto)& nursery trays | 1 No | For machine transplanting of Paddy |
| 6 | Paddy seeding machine | 1 No | Seeding paddy in trays for machine transplanting |
| 7 | Soil pulveriser | 1 No | To pulverise the soil for paddy seeding in trays for machine transplanting |
| 8 | Post hole digger | 1 No | For digging holes for planting saplings of various trees |
| 9 | Laser guided land leveller | 1 No | For levelling the fields |
| 10 | Rotovator | 2 No | For obtaining fine tilth of soils |
| 11 | Cultivator-9 tyne | 2 No | Secondary tillage operations |
| 12 | Cage wheels | 3 pairs | For puddling purpose in paddy fields |
| 13 | Disc plough | 1 No | For primary tillage |
| 14 | Disc harrow | 1 No | For secondary tillage |
| 15 | Mouldboard plough | 1 No | For primary tillage |
| 16 | Power sprayers | 5 No | For spraying various herbicides and pesticides |
| 17 | Wheel hoes | 15 No | For intercultivation |
| 18 | Seed cum fertiliser drill | 2 No | For direct seeding and fertiliser application |
| 19 | Chaff cutter | 1 No | For cutting grass into pieces |

## 6.4.5 CONDUCT OF PRACTICAL AND HANDS-ON TRAINING

The First Postgraduate (PG) Programme was started in the Department of Genetics and Plant Breeding in the year 1968. The PG programmes were subsequently offered by other departments in the later years. The introduction of PG programmes was commenced to solve the field hurdles faced by the farming community. Students were trained in various scientific processes involved in their respective departments and the usage of equipment in the departments. Research facilities were created based on departmental requirements. The central instrumentation facility was also created with advanced lab equipment like electron microscopes, advanced microscopes, spectrophotometers, etc. The equipment present in the laboratories was being used by the students in the free environment.

The students were given hands-on training in handling molecular tools, enzymatic analysis, QTL mapping, detection and diagnosis of pests and diseases, usage of SPSS, and R software in the analysis of data. In addition to the academic work, the comprehensive knowledge of research ethics, and intellectual property rights was imparted to the students. In the way of building their capabilities, students were being encouraged to participate in seminars, conferences, workshops, and training programs. Through this continuous effort, students received several recognitions in the conferences and seminars conducted at the national and international levels. Students were also encouraged to publish their research works in the journals at international level.

Practical exposures were being given by taking the students to the research stations, agricultural and horticultural farms, and various government organizations and making them interact with the farmers by conducting surveys. A gym and sports complex with a good indoor stadium was being provided to the students for involving them in various indoor and outdoor games. Every year competitions were being conducted at the college level for sports and cultural events for improving the abilities of the students.

**THE DEPARTMENT-WISE INFORMATION ON CONDUCT OF PRACTICAL AND HANDS-ON TRAINING IS PRESENTED BELOW IN BRIEF:**

**AGRONOMY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| Ph.D | Apart from attending to their prescribed regular academic curriculum, students are trained for preparing research proposal and field experiments, analysing the field data. Delivering seminars and preparation of static and live models. Exposure & field visits of research stations (State and National) and farmers' fields. |

**AGRICULTURAL ECONOMICS**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| Ph.D | Doctoral students were trained to conduct surveys on various problems faced by the farmers. They were also exposed analysing the data with statistical packages and publishing data for the benefit of farmers. |

**AGRICULTURE EXTENSION & COMMUNICATION**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| Ph.D | Students are getting cent percent desired practical and hand-on training as per the curriculum. They are oriented to skills in scale development, instructional technology, training methodologies, organization communication & development and exposed to rural society, extension organisations. |

**ENTOMOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| Ph.D | Doctoral students are getting excellent training in molecular techniques, general acarology, various mites and their damage symptoms, IPM, identification of insects using taxonomic keys upto families, preparation of artificial diets, Quarantine Entomology, advanced nsect physiology, mass production of insects, bio agents, plant protection techniques. |

**GENETICS & PLANT BREEDING**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| Ph. D | GP-601 & 610: Visit to different research stations for in-situ and ex-situ germplasm and handling of genetic resources.<br>GP603: Hands on training on DNA isolation, PCR techniques, gel electrophoresis, scoring of gels, and interpretation of gel results. Statistical analysis related to diversity and QTL analysis. PAGE techniques and on tissue culture techniques. |

**SOIL SCIENCE AND SGRICULTURAL CHEMISTRY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| Ph.D | ∗ Student is able to perform advanced techniques related to soil genesis, morphology, pedological as well as fertility related issues along with basic parameters. |

**PLANT PATHOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| Ph. D. | Handling all the equipment, running PCR and molecular pathology equipment, meeting majority of the research requirements in lab. Students are also being trained in diagnosing various fungal, bacterial and viral diseases through advanced molecular techniques. |

**CROP PHYSIOLOGY**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| Ph.D | In addition to the normal academic work, doctoral students were well acquainted in diagnosing and managing the nutrient deficiencies. Students were being encouraged continuously to frame research works on photosynthesis, nutrio physiology, and stress physiology by using the advanced molecular tools. |

**STATISTICS AND COMPUTER APPLICATIONS**

| Programme | Brief Notes on conduct of practical and hands on training |
|---|---|
| Ph.D. | Hands on training on the usage of SPSS, Excel, R softwares is being conducted. Students were also trained to analyse different types of data using the advanced statistical tools. |

## 6.4.6 SUPERVISION OF STUDENTS IN PG/Ph.D POGRAMMES:

- The Number of students being supervised by Faculty in case of Ph.D programmes is presented in the following table.
- The realistic figure number of qualified faculty in relation to the intake of students is presented in the table below.
- All staff members are highly qualified to supervise the Ph.D students, as more than 90% staff are Doctorates, and More than 50% staff members have experience of at least 15 years in teaching / research / extension.
- The staff in those departments where the Ph.D programmes are not offered are also actively involved in guiding / supervising PG and Ph.D students as members of Advisory committee of various departments.
- All staff are across departments are actively engaged in guiding / supervising Ph.D students of other departments for multi-disciplinary activities.

| S.No. | Name of the Department | **Strength of Faculty** | | | **Ph.D.** | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Professor | Associate Professor | Assistant Professor | 2015 | 2016 | 2017 | 2018 | 2019 |
| 1. | Agronomy | 5 | -- | 3 | 3 | 6 | 3 | 3 | 3 |
| 2. | Agricultural Economics | -- | -- | 4 | 3 | 3 | - | 3 | - |
| 3. | Agriculture Extension | 2 | 1 | 1 | 1 | 1 | 3 | - | 4 |
| 4. | Entomology | 6 | -- | 2 | 6 | 2 | 2 | 3 | 4 |
| 5. | Genetics & Plant Breeding | 2 | 1 | 3 | 1 | 3 | 1 | 3 | 4 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 6. | Soil Science and Agricultural Chemistry | 3 | -- | 4 | 2 | 2 | 3 | 3 | 3 |
| 7. | Plant Pathology | 1 | 2 | 2 | 0 | 1 | 2 | 3 | 2 |
| 8. | Crop Physiology | 2 | -- | 2 | 1 | 2 | 2 | 4 | - |
| 9. | Statistics and Computer Applications | 1 | -- | 3 | - | - | - | - | - |
| 10. | Horticulture | -- | -- | 2 | -- | -- | -- | -- | -- |
| 11. | Biochemistry | -- | -- | 1 | -- | -- | -- | -- | -- |

## 6.4.7 FEEDBACK OF STAKE HOLDERS

In the Agricultural College, Bapatla every year it is a mandatory by the concern course in charge to get the feedback through feedback form, and after analysis they came to know the SWOT so as to improve and meet the requirements of the students for each and every course. In addition to that a separate questionnaire was prepared during the year 2019 – 2020 to get the feedback from the students on 10 important questions related to the college activities. A five-point scale was adopted to get the correct unbiased information through a questionnaire prepared for that purpose.

The data reveals that majority of the students were satisfied with the staff, facilities, Examination system, College environment, drinking water facility etc., For all the questions around 80 percent of the students are expressed their opinion positively.

## 6.4.8 STUDENT INTAKE AND ATTRITION IN THE PROGRAMME FOR LAST 5 YEARS

| Name of the Programme | Sanctioned Strength | Actual Number of students admitted in the last 5 years | | | | | Attrition (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2015 | 2016 | 2017 | 2018 | 2019 | 2015 | 2016 | 2017 | 2018 | 2019 |
| Ph.D | Varies from Department & Year ** | 20 | 24 | 21 | 26 | 26 | 0.6% | 0.7% | 0.4% | 0.5% | 0.8% |

*** Department-wise data is presented in the following tables, separately for Ph.D.*

## STUDENT INTAKE AND ATTRITION IN Ph.D. PROGRAMME

| S.No. | Name of the Department | Ph.D. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Actual Number of students admitted in the last 5 years | | | | | Attrition (%) | | | | |
| | | 2015 | 2016 | 2017 | 2018 | 2019 | 2015 | 2016 | 2017 | 2018 | 2019 |
| 1 | Agronomy | 3 | 6 | 3 | 4 | 4 | 33.3% | 0 | 0 | 25% | 0 |
| 2 | Agricultural Economics | 3 | 3 | 2 | 3 | 0 | 0 | 0 | 100 | 0 | 0 |
| 3 | Agriculture Extension & Communication | 1 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| 4 | Entomology | 7 | 2 | 2 | 3 | 4 | 14.2 | 0 | 0 | 0 | 0 |
| 5 | Genetics & Plant Breeding | 1 | 4 | 3 | 6 | 6 | 0 | 16.6 | 0 | 16.6 | 0 |
| 6 | Soil Science and Agricultural Chemistry | 2 | 2 | 3 | 3 | 3 | 0 | 0 | 0 | 33.3 | 0 |
| 7 | Plant Pathology | 1 | 2 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 |
| 8 | Crop Physiology | 1 | 2 | 2 | 4 | - | 0 | 0 | 0 | 0 | 0 |
| 9 | Statistics and Computer Applications | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

## 6.4.9 ICT APPLICATION IN CURRICULUM DELIVERY

The Agricultural College, Bapatla is having a 40 MBPS Broad band connectivity with unlimited Internet facility to the Staff and Students. The Wi-Fi facility was extended to all the PG/ Ph.D students of both Boys and Girls Hostels. This facility was given by the Government of India through National Mission for Education (NME Connection by the BSNL).

The Undergraduate and post Graduate Theory as well as the Practical classes are being taken by the Teacher using LCD projectors. All the departments are having Touch Screen LCD facility to explain the concepts easily understandable to the students. All the staff were well trained using MS- Office (word, Excel, Power point) modules and with the help of LCD projectors they are using Slide presentations wherever is required.

Under Institutional Development Plan (IDP) – NAHEP, two class rooms were made as Virtual Class room facility having Wi-Fi connectivity to all the participants with 20 KVA UPS Backup.

The College is maintaining its own college website to cater the needs of the students by providing the study material, News, timetables, other academic related information to all the students.

The College is also having the National Scientific Journal i.e "The Andhra Agricultural Journal" having the NAAS Rating of 4.14 under the Society of The Andhra Agricultural Union established in the year 1954. The Journal is publishing the Articles of the M.Sc and Ph.D students Research work carried during their study period. The Journal is having open source online facility.

The Agricultural College is having a Student Knowledge Centre with Digital Library, CAB Abstracts, CeRA, Xeroxing facilities. Which is catering the needs of all UG/PG and Ph.D students with its advanced technology.

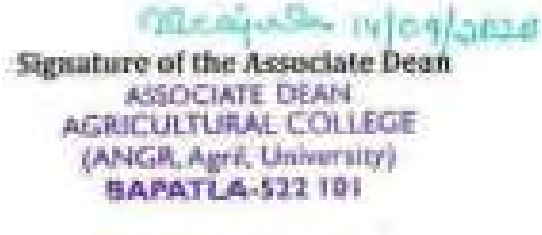
The College is also having its own Alumni website separately as www.bapatlaagricos.org to bring its alumni together in a single flat form to improve facilities, to share the knowledge and to support the overall development of the college.

## 6.4.12 CERTIFICATE

**I, the Associate Dean, Dr. G. Ramachandra Rao, hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding University.**

**Date: 14-September-2020**






## ACCREDITATION (SELF STUDY REPORT) COMMITTEE

| | | |
|---|---|---|
| **CHAIRMAN** | **:** | **Dr. P. V. Krishnayya**<br>**Professor & University Head (Entomology)** |
| **CONVENOR** | **:** | **Dr. Cherukuri Sreenivasa Rao**<br>**Professor (Entomology)** |
| **MEMBERS** | **:** | **Dr. Ch. Sujani Rao**<br>**Professor (Soil Science & Agricultural Chemistry)** |
| | | **Dr. B. Aparna**<br>**Assistant Professor (Agricultural Economics)** |
| | | **Sri. N. Kiran Kumar**<br>**Assistant Professor (Plant Pathology)** |

*Self Study Report for Accreditation of*

# SRI VENKATESWARA AGRICULTURAL COLLEGE
# TIRUPATI




## ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
## LAM, GUNTUR – 522 034
## ANDHRA PRADESH

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**PROFORMA**

**SELF STUDY REPORT FOR ACCREDITATION OF COLLEGE**

**INTRODUCTION**

| | | | |
|---|---|---|---|
| 1 | State | : | Andhra Pradesh |
| 2 | University Name | : | Acharya N G Ranga Agricultural University |
| | Head quarters | : | LAM, Guntur-522 034<br>Andhra Pradesh |
| 3 | College Name | : | S.V. Agricultural College |
| | Address | : | Tirupati -517 502<br>Andhra Pradesh, India |
| | Telephone | : | 0877-2248667, 2249155 |
| | e-mail | : | adsvactpt@gmail.com<br>adsvac2009@yahoo.com |
| | Website | : | www.svagcollege.org |
| 4 | Date of Establishment of the University | : | 1964 |
| | Date of Establishment of the College | : | 1961 |
| 5 | Head of the Faculty | | |
| | Name | : | Dr. A. Pratap Kumar Reddy |
| | Designation | : | Dean of Agriculture |
| 6 | Head (CEO) of the College | | |
| | Name | : | Dr. B. Ravindranatha Reddy |
| | Designation | : | Associate Dean |

## HISTORY AND DEVELOPMENT OF THE INSTITUTE

The growing need of human resources man power in variety of schemes of agricultural significance of the State Government had been realized in late 50's. In order to overcome the shortage of agricultural graduates, the subcommittee on agriculture and allied personnel recommended an increase in admissions to the existing Agricultural Colleges at Bapatla and Hyderabad. The state manpower committee appointed by the Government of Andhra Pradesh also felt the need for more trained personnel in agriculture, emphasized to start a new college and recommended the constitution of a committee to decide upon the location of the third Agricultural College in Sri Venkateswara University area as the other two colleges at Bapatla and Hyderabad were located in Andhra and Osmania University areas, respectively.

A committee consisting of Sri D. V. Reddy, Director of Agriculture, Sri C. Anna Rao, Executive Officer, Tirumala Tirupati Devasthanams and the Chief Engineer (Buildings) was entrusted with the task of choosing a site in the Sri Venkateswara University area for locating the College. The Scheme for the establishment of the College was prepared by then the Principal of the Agricultural College, Bapatla, incorporating the experiences gained in the establishment of that College fifteen years earlier.

Initially the Principal, Agricultural College, Bapatla was kept in additional charge of the post of Principal of the S V Agricultural College, Tirupati. Sri M. V. Gopalakrishna Sarma was appointed as Gazetted Assistant to the Principal.

## ESTABLISHMENT

Establishing the third Agricultural College at Tirupati has been a landmark in the history of Agricultural Education in Andhra Pradesh. Besides, meeting the personnel requirements of agricultural department and other technical departments of Govt. of Andhra Pradesh, the college also served as centre of Excellency in the development of trained human resources required in the field of agriculture who can serve the farmers in mitigating agriculture related potential field problems.

Sri Nukala Ram Chandra Reddy, Hon'ble Minister for Agriculture, Govt. of Andhra Pradesh laid the foundation stone for the College and hostel buildings on 27$^{th}$ October, 1961. The college is located at the foot hills of the sacred Tirumala Hills in an area sprawling over 360 acres in a serene rural setting which is quite refreshing

and splendid. Initially the college was financially supported by Tirumala Tirupati Devasthanam (TTD) who had donated a sum of Rs. 4.0 lakhs and Rs. 2.0 lakh donation by Sri. Ramakrishna Raju, a philanthropist and business man, Bombay.

Sri C. Krishnamoorthy assumed charge as first Principal of S.V. agricultural College, Tirupati on May, 1962 in a temporary room in the administration building of the Sri Venkateswara University. He was later joined by other teachers in July, 1962 to impart instruction in the subjects of the second year of the degree course *viz.,* Agronomy, Botany, Chemistry and Entomology. Instruction in Engineering (Civil) was imparted at the S.V. Engineering College and Animal Husbandry at the Veterinary College, Tirupati. The field practicals were conducted in the leased farm at Avilala village near Tiruchanur.

The college which was originally affiliated to Sri Venkateswara University was later transferred to the fold of Acharya N.G. Ranga Agricultural University (Formerly Andhra Pradesh Agricultural University) in the year 1964. Sri O. Pulla Reddy, I.C.S. (Rtd.) took charge as first Vice-Chancellor of Andhra Pradesh Agricultural University on 12$^{th}$ June 1964, from when on the newly born University started making significant strides to catch up with Universities of its kind already functioning in the country. In pursuance of one of the main provisions of the Act, with effect from 10$^{th}$ July, 1964, the S. V. Agricultural College became one of the constituent Colleges of the University along with others in the State, representing the essence a break away from the traditional University pattern. The College building was formally inaugurated on 28$^{th}$ December, 1968 by Sri V.V. Giri, the then Vice-President of India.

The foundation stone for a second hostel to accommodate 240 students, of two blocks, one with single rooms and the other with three seaters, was laid by the Vice-Chancellor Sri O. Pulla Reddy, on 10$^{th}$ September, 1966 and was inaugurated by Sri K. Brahmananda Reddy, the then Chief Minister, Andhra Pradesh. The inauguration of these buildings marked a definite stage in the growth of this institution. It had by now acquired not only most of the physical facilities required for implementing the Under-graduate teaching programme but had also developed to such an extent as to press its claims for the institution of post-graduate programmes in several disciplines.

**PROGRESS**

Consequent to the report of the Commission headed by Dr. G. Rangaswamy, Dean, University of Agricultural Sciences, Bangalore, a decision was taken to start the programme of Post-Graduate instruction of the off-campus Colleges at Tirupati and Bapatla with effect from the academic year 1968-69. Post graduate programme with Horticulture as the major field was introduced in 1968-69 followed by Agronomy in 1969-70.

In the beginning, the intake of the students at under graduate level was 80 and later in phased manner it was raised to 195. The first batch of 64 graduates came out in 1965-66. The first three batches of graduates (164) were trained in the traditional system of whom 38 students had obtained first class. The next three batches of graduates (241 in number) were trained under the Internal Assessment System of whom 83 of students had obtained their first Class and another 27 had obtained their first class with distinction. Since inception of this college, a total of 3790 under graduate students have passed out from this campus.

M.Sc. (Ag.) course of two year duration was introduced in a phased manner in ten disciplines *i.e.* Horticulture (1968-69), Agronomy (1969-70), Plant Pathology (1972-73), Extension Education (1976-77), Genetics and Plant Breeding (1982-83), Entomology (1982-83), Agriculture Economics (1984-85), Soil Science and Agricultural Chemistry (1984-85), Plant Physiology (1985-86) and Statistics and Computer Applications (2009-10). A post graduate programme in Plant Protection was introduced in the college during 1983 with Entomology and Pant Pathology disciplines offering a combined course catering to the requirement of the personnel engaged in the state department of agriculture.

Subsequently Ph.D. Programmes were introduced in the disciplines of Agronomy and Genetics and Plant Breeding during 1992-93, Extension Education (2007-08), Soil Science and Agricultural Chemistry (2009-10), Entomology (2009-10), Agricultural Economics (2009-10), Crop Physiology (2011-12) and Plant Pathology (2012-13). The college was shaped in due course of time by providing a spacious building for laboratories and class rooms for each department. So far, a total

of 1217 and 96 students in M.Sc. (Ag.) and Ph.D programmes, respectively have passed out and are occupying higher and prestigious position in different public and private National and International organizations.

Later in 2008, a course on Agribusiness Management was introduced with the establishment of Department of Agribusiness Management at S.V. Agricultural College, Tirupati to build core management expertise among the technically competent agricultural and allied graduates by imparting managerial and entrepreneurial skills so as to work in a dynamic business environment.

Department of Agricultural Biotechnology was started at S.V. Agricultural College, Tirupati during 2015 to support M.Sc. and Ph. D. Research work in the field of Agriculture. So far eleven M.Sc. students and one Ph.D have obtained their degrees from the department. Later during 2018, the department has been shifted to Department of Molecular Biology and Biotechnology at Advanced Post Graduate Centre, ANGRAU, Lam, Guntur.

A well-equipped Regional Library building was established in the year 2007 to cater to the needs of the staff and students of the campus. The residential accommodation was also strengthened by constructing four hostels i.e. three (Dwaraka, Sabarmati and Mithyla) for boys and one (Priyadarshini) for girls in the campus. Later, one more block for UG and new PG Hostel for PG girl students has come up. With additional grants of ICAR and state government, new structures such as additional floor to the college and hostel buildings were added to create more avenues to the students and faculty as well. To strengthen the UG programme, further through AHRDP sponsored by World Bank, few of the faculty teachers were trained in advanced fields both at National and International level. The college completed its fifty years of academic excellence by 27$^{th}$ October, 2011. In commemoration of this event, Golden Jubilee Celebrations were organized for one year by conducting different events such as alumni meets, tree plantation, blood donation, special lectures *etc.*

## MISSION AND GOALS OF S.V. AGRICULTURAL COLLEGE, TIRUPATI

1. Train human resources needed for agricultural sector for the development of the State of Andhra Pradesh (Education).

2. Constantly strive to generate technologies for increasing crop production in the field of agriculture and allied sectors (Research).

3. Assist in the process of transfer of technology through dissemination of knowledge and information in collaboration Dept. of Agriculture and Dept. of Extension, Govt. of Andhra Pradesh.

## ALUMNI ACHIEVEMENTS

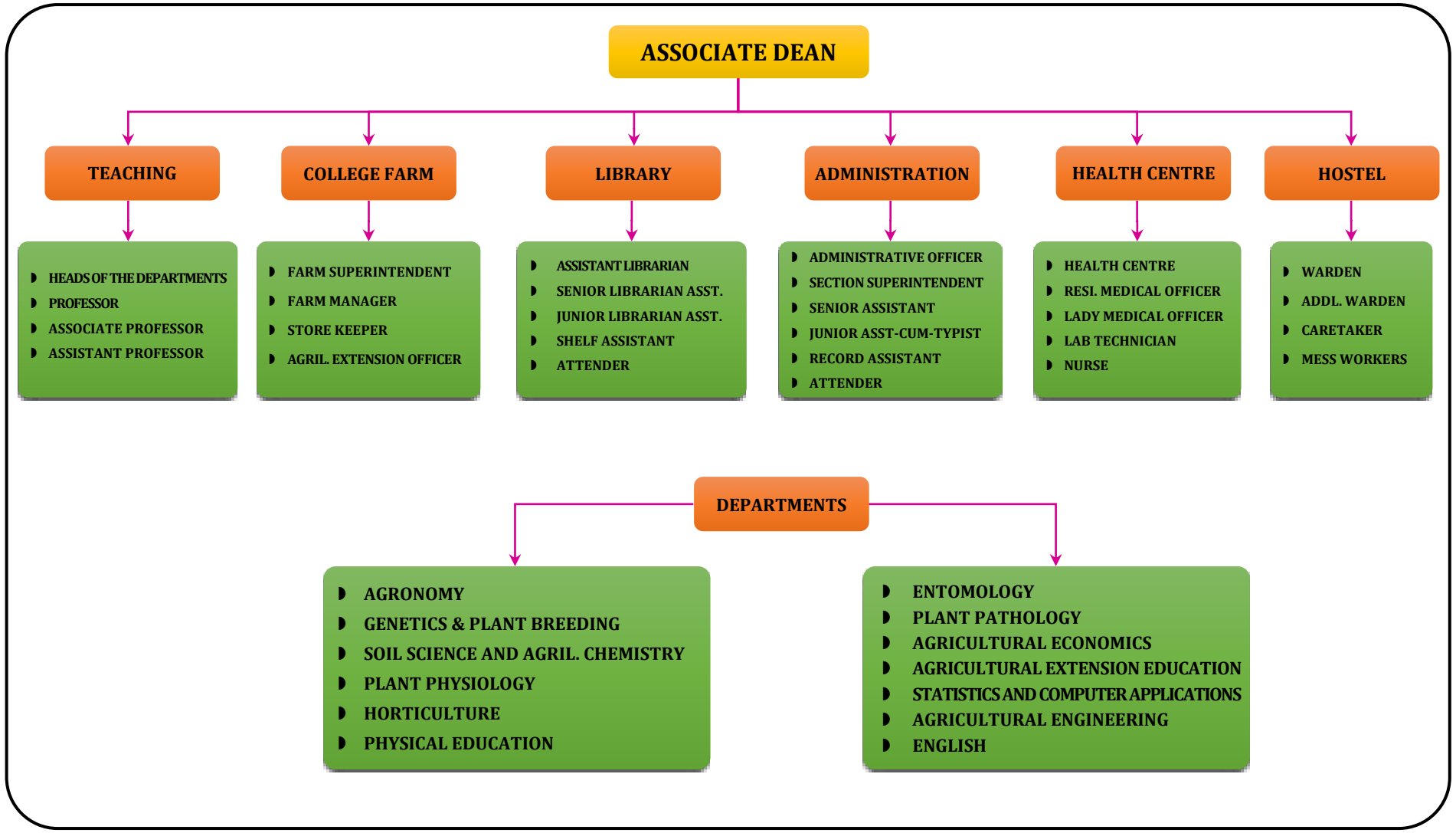
Several alumni of S V Agricultural College, Tirupati has attained eminent positions as scientists in various National and International institutes, as civil servants working in Govt. of various states within India and also as successful entrepreneurs bringing laurels to the college.

A glimpse into list of our alumni who had occupied prominent National and International positions are listed below.

| S. No. | Name | Name of the position/ Cadre/ Service attained |
|---|---|---|
| 1 | Sri Y.S. Vivekananda Reddy | Minister for Agriculture, Govt. of Andhra Pradesh |
| 2 | Dr. P. Raghava Reddy | Vice-Chancellor, ANGRAU |
| 3 | Dr. A. Padma Raju | Vice-Chancellor, ANGRAU |
| 4 | Dr. G. Lakshmikantha Reddy | Director of Research, ANGRAU |
| 5 | Dr. R. Sudhakara Rao | Director of Research, ANGRAU |
| 6 | Sri W. Rampulla Reddy | Indian Administrative Service |
| 7 | Sri Lavanya Kumar | Indian Foreign Service |
| 8 | Sri Sunil Kumar | Indian Police Service |
| 9 | Sri Seetha Rami Reddy | Indian Police Service |
| 10 | Sri Shaik Darvesh Saheb | Indian Police Service |
| 11 | Sri J. Gopinath | Indian Police Service |
| 12 | Sri Venkataramana | Indian Police Service |

| S. No. | Name | Name of the position/ Cadre/ Service attained |
|---|---|---|
| 13 | Sri Chandrasekhar Reddy | Indian Police Service |
| 14 | Sri Salim Javed | Indian Police Service |
| 15 | Sri N. Ravindranath Reddy | Dept. of Customs and Excise |
| 16 | Sri S.K. Narayana Reddy | Dept. of Customs and Excise |
| 17 | Sri G. Shanthi | Dept. of Customs and Excise |
| 18 | Sri D. Hara Prasad | Indian Forest Service |
| 19 | Smt. Suwarna | Indian Forest Service |
| 20 | Sri Narasimhulu | Indian Forest Service |
| 21 | Dr. K.C. Reddy | Dean, Tennessee State University, USA |
| 22 | B. Sumathi Reddy | Indian Police Service |
| 23 | K. Madhavi Latha | Indian Administrative Service |
| 24 | M. Babitha | Indian Forest Service |
| 25 | N. Madhulatha | Indian Revenue Service |
| 26 | M. Himasailaja | Indian Forest Service |
| 27 | K. Venkata Ashok | Indian Police Service |
| 28 | J. Neeraja | Dept. of Customs and Excise |
| 29 | J.V. Subba Raidu | Esha Agri Genetics Pvt. Ltd., Hyderabad (Entrepreneur) |

## ORGANIZATION AND GOVERNANCE AT S.V. AGRICULTURAL COLLEGE, TIRUPATI



## 6.5 SELF STUDY REPORT FOR THE COLLEGES

### 6.5.1 College Administration

#### 6.5.1.1 College Dean's office establishment

The Associate Dean's post has been sanctioned as per ICAR model act and UGC guidelines. The Present Associate Dean has taken charge on 01-07-2020. The mode of selection of the Associate Dean is on the basis of seniority and credentials and as per the requirements of the university authorities. The following is the non-teaching staff position working in office of the Associate Dean and Administrative Officer looks after the matters related to establishment, salaries, service and other administrative matters.

| Non-teaching staff | Sanc-tioned | In-position | Name of the Staff | Remarks (Other head of account / out sourcing) |
|---|---|---|---|---|
| Administrative Officer | 1 | 1 | Sri G. Srinivasa Rao | |
| Superintendent | 2 | 2 | A. Balasubramanyam | |
| | | | G. Prabhavathi | |
| Senior Assistant | 9 | 9 | C. Rupasundara Reddy | |
| | | | K. Munirathnam | |
| | | | P. Meenakumari | |
| | | | Y. Sumanth | |
| | | | L. Dhanamjayachari | |
| | | | J. Reddimuni | |
| | | | S. Fakurubi | |
| | | | M. Syamala | |
| | | | K. Chandraiah | |
| Senior Library Assistant | 1 | 1 | K. Chinna Reddanna | |
| U.D. Steno | 1 | 1 | P.R. Manjula | |
| Junior Assistant-cum-Typist | 12 | 6 | A. Suresh | 6 |
| | | | G. Murali Kumar | |
| | | | P. Munisekhar Reddy | |
| | | | M. Suseela | |
| | | | Ch. B.S.S. Sarma | |
| | | | A. Muni Lavanya | |

| Non-teaching staff | Sanc-tioned | In-position | Name of the Staff | Remarks (Other head of account / out sourcing) |
|---|---|---|---|---|
| Junior Library Assistant | 2 | 1 | C. Chandrasekhar | 1 |
| Cashier | 1 | -- | -- | 1 |
| Agriculture Extension Officer | 4 | 4 | C. Karunanidhi | |
| | | | M. Mahendraiah | |
| | | | T. Munirathnam | |
| | | | A. Govindaiah | |
| Artist-cum-Photographer | 1 | -- | -- | 1 |
| Bus Driver | 5 | 4 | A. Varamuni | 1 |
| | | | G. Gurappa | |
| | | | A. Kumar | |
| | | | K. Sankar | |
| Tractor Driver | 1 | 1 | P. Sarath Babu | |
| Mechanic Grade-III | 1 | -- | -- | 1 |
| Pipeline Fitter | 1 | -- | -- | 1 |
| Pumpset Driver | 1 | -- | -- | -- |
| Electrician | 1 | -- | -- | 1 |
| Telephone Operator | 1 | -- | -- | 1 |
| Carpenter | 1 | -- | -- | 1 |
| Record Assistant | 32 | 32 | M. Venkatesu | |
| | | | N.S. Gopi | |
| | | | A. Sudhakar | |
| | | | P. Sivasankar Reddy | |
| | | | M. Thulasirami Reddy | |
| | | | G. Ramesh | |
| | | | K. Anjaneyaprasad | |
| | | | C. Ravindrababu | |

| Non-teaching staff | Sanc-tioned | In-position | Name of the Staff | Remarks (Other head of account / out sourcing) |
|---|---|---|---|---|
| | | | G. Nagaraja | |
| | | | P. Ramesh Babu | |
| | | | T. Munaswamy | |
| | | | K. Hemadri | |
| | | | P. Venkata Lakshmi | |
| | | | G. Rajendra | |
| | | | K. Rajagopal | |
| | | | G. Thyagaraja Naidu | |
| | | | T. Anandaiah | |
| | | | P. Purushotham | |
| | | | D. Munikrishnaiah | |
| | | | J. Venugopal | |
| | | | V. Ghousia Parveen | |
| | | | K. Murali Krishna | |
| | | | K. Damodara Reddy | |
| | | | E. Babu | |
| | | | M. Prasad | |
| | | | P. Maheswari | |
| | | | P. Mahaboob Basha | |
| | | | B. Manjula | |
| | | | P. Munikrishnaiah | |
| | | | C. Lakshmi | |
| | | | P. Muniram | |
| | | | K. Kavitha | |
| Shelf Assistant | 6 | -- | -- | 6 |
| Xerox Operator | 1 | -- | -- | 1 |
| Junior Binder | 1 | -- | -- | 1 |
| Gangman | 1 | 1 | A. Munikrishnaiah | |
| Games Marker | 1 | 1 | N. Yellappa | |
| Office Subordinate | 25 | 23 | M. Venkataramaiah | 2 |
| | | | M. Sudhakar | |
| | | | V. Subramanyam | |
| | | | S. Anjali | |

| Non-teaching staff | Sanc-tioned | In-position | Name of the Staff | Remarks (Other head of account / out sourcing) |
|---|---|---|---|---|
| | | | B. Chinnikrishnaiah | |
| | | | D. Varalu | |
| | | | T. Munirathnam | |
| | | | C. Chandramma | |
| | | | E. Kannemma | |
| | | | A. Chenchamma | |
| | | | N. Gangaiah | |
| | | | P. Munikrishnaiah | |
| | | | K. Nagarathna **(PH)** | |
| | | | G. Devaki | |
| | | | M. Parvathi | |
| | | | B. Jyothi | |
| | | | M. Rajendra | |
| | | | M. Mahendra | |
| | | | D. Venkatesu | |
| | | | T. Rajeswari | |
| | | | M. Jyothi | |
| | | | P. Mallika | |
| | | | A. Subramanyam | |
| Watchmen | 9 | 2 | K. Rajendraiah | 7 |
| | | | M.B. Nagaraja Reddy | |
| Bus Cleaner | 2 | 1 | S. Surendra Babu | 1 |
| Tractor Cleaner | 1 | -- | -- | 1 |
| Agricultural Workmen | 21 | 6 | B. Guravaiah | 15 |
| | | | B. Muniraja | |
| | | | G. Tataiah | |
| | | | C. Jayachandra Reddy | |
| | | | M. Nagaraja | |
| | | | K. Muniraja | |
| Sweeper-cum-Scavenger | 1 | -- | -- | 1 |
| **Total** | **147** | **97** | | **50** |

### 6.5.1.2 Monitoring Mechanism for Quality Education (on-line)

**Student-teacher council meeting**

A student teacher counsel is constituted representing students from each year of UG, M.Sc. and Ph.D covering various categories (grade point toppers, students from OC, BC, SC and ST). The Associate Dean is the chairman of the council with Officer-In charge of Student Activities (OSA) as the convener, Officer In charge-Academic Matters (UG & PG), Wardens (Boys and Girls), Officer In charge-Placement Cell, NSS, NCC programme officers, Physical Education Director, Administrative Officer as permanent members and any three Professor and Head of the departments as members on rotation basis. The council is the apex level body in college to discuss and finalize all the matters related to students (Curricular and Extra Curricular). These teacher-student council meetings are held once in three months to address the issues faced by the students in academic and non-academic related matters. The issues addressed by the students are documented and action taken will be discussed in the forthcoming meetings.

**AMS (Academic Management System)**

The college as **AMS (Academic Management System)** which automates various academic processes of the University and in a way to enhance the efficiency of the system by saving time and efforts involved in manual processes. The data generated by the system is used for generating the reports at the national agriculture portal by aggregating the data from various State Agriculture Universities. AMS is being implemented under NAHEP Component-II of ICAR.

The system has following sub modules:

- Courses Management
- Student Management
- Faculty Management
- Administration Management
- E-Learning
- Online fee collection

Both the students and staff have to enroll themselves as members of AMS. The course curriculum content, information regarding credentials and academic qualifications, performance of the staff and details about the students is entered in to the system. This increases efficiency and transparency of working in the academic related matters. Presently all the teaching staff and first year students of UG, M.Sc. (Ag.) and Ph.D have enrolled themselves in AMS portal.

### 6.5.1.3 CC/Board of Studies

The Associate Dean conducts review meetings with all the Heads of the department at fortnightly intervals. Activities related to academic matters, administrative and financial matters, students grievances and all other matters related to college, students and staff will be discussed and consensus will be formed for smooth functioning of the college. Academic matters that cannot be addressed at college level will be referred to the Faculty Boards which meets twice in a year at University level.

The Faculty Boards, headed by the respective Deans, will consider all issues concerned with the academic matters such as formulation of course curricula, syllabi, examinations and student evaluation procedures etc., which are finally referred to the Academic Council for approval. Eminent academicians from other institutions are also nominated as members by Deans of the Faculty concerned.

The Academic Council, chaired by the Hon'ble Vice-Chancellor, is the principal body responsible for formulating, implementing and monitoring all the academic programs of the University. All the Deans, Directors, University Heads of different Departments and professors are Members of the Academic Council. In addition, the Council consists of ten academicians representing different faculties nominated by the Hon'ble Vice-Chancellor and one representative of the Board of Management. The Council normally meets once in six months.

### 6.5.1.4 Anti Ragging Cell

As per the orders of Supreme Court of India and subsequent notification from University Grants Commission (UGC), the S.V. Agricultural College established anti ragging help desk with Associate Dean as chairman, Professor and University Head Physical Education, Officer-In charge Student Activity, Warden (boys hostel) and Warden (girls hostel) as members.

Anti-ragging committee will be the supervisory and advisory committee in preserving a culture of ragging free environment in the college campus. The committee will keep a vigil and stop the incidence of ragging if any happening in the places of student aggregation including class rooms, hostels and playgrounds etc. The students were given awareness about the menace of ragging by the Police department and Judiciary. The committee also involved in designing strategies and action plan for curbing the menace of ragging in the college adopting array of activities.

1. To aware the students of dehumanizing effect of ragging inherent in its perversity.

2. To generate an atmosphere of discipline by sending a clear message that no act of ragging shall be tolerated and any act of ragging shall not go unnoticed and unpunished.

3. To keep a continuous watch and vigil over ragging so as to prevent its occurrence and recurrence.

As and when a new batch of students gets admitted into the college, the anti-ragging help desk with staff and students of the college will be deputed for the anti-ragging duties at respective hostels to avoid the occurrence of any unwanted activities.

**Punishment to those found guilty**

Any student or group of students found guilty of ragging in the campus or even outside the campus shall be liable to punishments *viz.,* suspension from attending classes and academic privileges, withdrawing scholarships and other benefits, suspension from the college and hostels and cancellation of the admission.

### 6.5.1.5 Biological Waste Disposal

As our institute in not using any hazardous material for the experimental or research purpose, no stringent regulatory mechanism is being followed by the college. However, biological waste items that are containing plant pathogens will be inactivated by autoclaving and further dumped in a pit which is being maintained in the backyard of the college.

Non infectious biological waste such as tissue culture dishes, flasks, Petri plates, centrifuge tubes, test tubes, pipettes and vials etc. will be reused after through washing if needed or disposed. The biological waste obtained from the student experimental plots will be dumped in a pit which is being maintained in the dryland farm of the college in the preparation of the compost.

### 6.5.1.6 Institutional Ethics Committee for Experiment on Animals

S.V. Agricultural College, Tirupati is not involved in conducting experiments on human or animal clinical trials.

### 6.5.1.7 Committee for Prevention of Sexual Harassment of Women at Work Places

The College has established a Women Protection Cell in the college campus for the women faculty, staff and girl students, to enhance understanding of issues related to women and to make the college campus a safe place for them. The Women's Protection Cell is constituted with senior women staff as chairman and other women staff as members. The cell protects the students associated with the college from any sort of injustice and sexual harassments of any nature directly or indirectly. The Women's Protection Cell is empowered to punish the guilty person in due consultation with the Associate Dean of the College.

With an aim of creating awareness of their rights and duties, the cell organizes and participates in seminars, talks and also takes up women's issues and problems.

It also provides a platform for women to share their experiences and views regarding their status in the society and to suggest ways to improve and empower themselves. Aiming at intellectual and social upliftment of the female students, the cell stands for facilitating women's empowerment through guest lectures, seminars, awareness programmes like skill training programmes, entrepreneur training and other welfare activities.

### 6.5.2 Faculty

#### 6.5.2.1 Faculty Strength

| S. No. | Department | Sanctioned | | | In-position | | | Vacancy |
|---|---|---|---|---|---|---|---|---|
| | | Prof. | Assoc. Prof. | Asst. Prof. | Prof. | Assoc. Prof. | Asst. Prof. | |
| 1 | Agronomy | 01 | 01 | 09 | 01 | 01 | 08 | 01 |
| 2 | Genetics and Plant Breeding | 01 | 01 | 05 | 01 | 01 | 05 | -- |
| 3 | Soil Science and Agricultural Chemistry | -- | 01 | 08 | -- | 01 | 07 | 01 |
| 4 | Entomology | 01 | 01 | 05 | 01 | 01 | 04 | 01 |
| 5 | Plant Pathology | 01 | 01 | 03 | 01 | 01 | 03 | -- |
| 6 | Crop Physiology | -- | 01 | 03 | -- | -- | 03 | 01 |
| 7 | Agriculture Engineering | -- | 01 | 06 | -- | -- | 06 | 01 |
| 8 | Horticulture | -- | 01 | 01 | -- | 01 | 01 | -- |
| 9 | Agriculture Economics | -- | 01 | 05 | -- | -- | 04 | 02 |
| 10 | MBA (Agribusiness Management) | -- | -- | -- | -- | -- | -- | -- |
| 11 | Agriculture Extension | 01 | 01 | 03 | 01 | 01 | 03 | -- |
| 12 | Statistics and Computer Applications | -- | -- | 03 | -- | -- | 03 | -- |
| 13 | English | -- | -- | 02 | -- | -- | 02 | -- |
| 14 | Library | -- | -- | 01 | -- | -- | 01 | -- |
| 15 | Physical Education | -- | -- | 01 | -- | -- | 01 | -- |
| 16 | College Farm | -- | -- | 01 | -- | -- | 01 | -- |
| | | **05** | **10** | **56** | **05** | **07** | **52** | **07** |

### 6.5.2.2 Faculty Profile (Department wise)

The Department wise faculty profile is furnished below and the same is adequately sufficient to meet the academic requirement of the college.

| S. No. | Name of the Faculty | Designation |
|---|---|---|
| **Department of Agronomy** | | |
| 1 | Dr. G. Karuna Sagar | Professor & Head |
| 2 | Dr. V. Chandrika | Professor |
| 3 | Dr. V. Sumathi | Professor |
| 4 | Dr. A.V. Nagavani | Professor |
| 5 | Dr. S. Hemalatha | Professor |
| 6 | Dr. D. Subramanyam | Professor |
| 7 | Dr. Y. ReddiRamu | Associate Professor |
| 8 | Dr. B. Sandhya Rani | Assistant Professor |
| 9 | Dr. C. Nagamani | Assistant Professor |
| 10 | Dr. R. Naseeruddin | Farm Superintendent |
| **Department of Genetics and Plant Breeding** | | |
| 1 | Dr. D. Lokanadha Reddy | Professor & Head |
| 2 | Dr. R.P. Vasanthi | Professor |
| 3 | Dr. M. ReddiSekhar | Professor |
| 4 | Dr. V.L.N. Reddy | Associate Professor |
| 5 | Dr. P. Shanthi | Assistant Professor |
| 6 | Smt. M. Sreevalli Devi | Assistant Professor |
| 7 | Dr. B. Rupesh Kumar Reddy | Assistant Professor |
| **Department of Soil Science and Agricultural Chemistry** | | |
| 1 | Dr. M.V.S. Naidu | Professor & Head |
| 2 | Smt. G.P. Leelavathy | Assistant Professor |
| 3 | Dr. A. Prasanthi | Assistant Professor |
| 4 | Ms. K. Nancy Jasmine | Assistant Professor |
| **Department of Entomology** | | |
| 1 | Dr. N.C. Venkateswarlu | Professor & Head |
| 2 | Dr. M. Rajasri | Professor |
| 3 | Dr. K. Manjula | Professor |
| 4 | Dr. M.S.V. Chalam | Associate Professor |
| 5 | Dr. K.V. Hari Prasad | Associate Professor |
| 6 | Dr. G.S. Panduranga | Assistant Professor |

| S. No. | Name of the Faculty | Designation |
|---|---|---|
| **Department of Plant Pathology** | | |
| 1 | Dr. R. Sarada Jayalakshmi Devi | Professor & Head |
| 2 | Smt. M.K. Jyosthna | Assistant Professor |
| 3 | Smt. P. Arunasri | Assistant Professor |
| 4 | Dr. M. Gurivi Reddy | Assistant Professor |
| 5 | Dr. M. Pradeep | Assistant Professor |
| **Department of Crop Physiology** | | |
| 1 | Dr. P. Sandhya Rani | Professor & Head |
| 2 | Dr. V. Umamahesh | Associate Professor |
| 3 | Dr. A.R. Nirmal Kumar | Assistant Professor |
| **Department of Agricultural Extension** | | |
| 1 | Dr. S.V. Prasad | Professor & Head |
| 2 | Dr. P.V. Sathya Gopal | Professor |
| 3 | Dr. T. Lakshmi | Professor |
| 4 | Dr. V. Sailaja | Associate Professor |
| 5 | Dr. P. Ganesh Kumar | Assistant Professor |
| **Department of Agricultural Economics** | | |
| 1 | Dr. I. Bhavani Devi | Professor & Head |
| 2 | Dr. S. Rajeswari | Assistant Professor |
| 3 | Dr. N. Vani | Assistant Professor |
| 4 | Smt. S. Ujwala Rani | Assistant Professor |
| **Department of Agricultural Engineering** | | |
| 1 | Dr. M.V. Ramana | Professor & Head |
| 2 | Dr. K. Madhusudhan Reddy | Associate Professor |
| 3 | Sri Ch. Murali Krishna | Assistant Professor |
| **Department of Statistics and Computer Applications** | | |
| 1 | Dr. K. Lavanya Kumari | Assistant Professor & Head |
| 2 | Dr. B. Ramana Murthy | Assistant Professor |
| 3 | Dr. Shaik Nafeez Umar | Assistant Professor |
| **Department of Horticulture** | | |
| 1 | Dr. V. Srilatha | Associate Professor & Univ. Head |
| 2 | Dr. P. Karthik Reddy | Assistant Professor |

| S. No. | Name of the Faculty | Designation |
|---|---|---|
| **Master in Business Administration (ABM)** | | |
| 1 | Smt. Y. Prabhavathi | Assistant Professor |
| 2 | Sri N.T. Krishna Kishore | Assistant Professor |
| **Department of Physical Education** | | |
| 1 | Dr. A. Prathap Reddy | Professor & Univ. Head |
| 2 | Sri R. Ravikantha Reddy | Associate Professor |
| **Library** | | |
| 1 | Dr. T. Ramalakshmi | Assistant Professor |
| **College Farm** | | |
| 1 | Sri P. Parthasarathy | Agriculture Officer |

### 6.5.2.3 Credentials of the Faculty

#### 6.5.2.3.1 Credentials of the faculty (Area of specialization of teaching faculty)

The University has employed competent faculty members qualified to accomplish the mission and goals of the college.

| S. No. | Name of the faculty | Highest degree | Area of specialization |
|---|---|---|---|
| **1** | **Department of Agronomy** | | |
| | Dr. G. Karuna Sagar | Ph.D | Weed management and nutrient management |
| | Dr. V. Chandrika | Ph.D | Forage Agronomy, Weed management and Dry Farming |
| | Dr. V. Sumathi | Ph.D | Irrigation water management |
| | Dr. S. Hemalatha | Ph.D | Nutrient Management and Agro-forestry |
| | Dr. A.V. Nagavani | Ph.D | Nutrient Management and Cropping systems |
| | Dr. D. Subramanyam | Ph.D | Weed management |
| | Dr. Y. ReddiRamu | Ph.D | Organic farming and farming systems |
| | Dr. B. Sandhya Rani | Ph.D | Integrated weed management and Nutrient management |
| | Dr. C. Nagamani | Ph.D | Nutrient Management |
| | Dr. R. Naseeruddin | Ph.D | Nanotechnology and Farm Management |
| **2** | **Department of Genetics and Plant Breeding** | | |
| | Dr. D. Lokanadha Reddy | Ph.D | Groundnut breeding and tissue culture |
| | Dr. R.P. Vasanthi | Ph.D | Genetics, Plant Breeding, Cytogenetics and Groundnut Breeding |
| | Dr. M. Reddisekhar | Ph.D | Biometrical Genetics, Molecular Breeding, Pulses Breeding |

| S. No. | Name of the faculty | Highest degree | Area of specialization |
|---|---|---|---|
| | Dr. V.L.N. Reddy | Ph.D | Genetics & Plant Breeding, Rice Molecular Genetics and Breeding |
| | Dr. P. Shanthi | Ph.D | Genetics & Plant Breeding, Maize and Pearl millet breeding and genetics |
| | Dr. M. Seevalli Devi | Ph.D | Genetics & Plant Breeding, Mutation breeding |
| | Dr. B. Rupesh Kumar Reddy | Ph.D | Genetics & Plant Breeding, Seed Technology, Groundnut breeding and Pulses breeding |
| **3** | **Department of Soil Science and Agricultural Chemistry** | | |
| | Dr. M.V.S. Naidu | Ph.D | Pedology/ Remote sensing / GIS |
| | Smt. G. P. Leelavathy | M.Sc. (Ag.) | Pedology |
| | Dr. A. Prasanthi | Ph.D | Soil Fertility |
| | Ms. K. Nancy Jasmine | M.Sc. (Ag.) | Soil Fertility |
| **4** | **Department of Entomology** | | |
| | Dr. N. C. Venkateswarlu | Ph. D | Host Plant Resistance, Insecticide Resistance Management and Integrated Pest Management |
| | Dr. K. Manjula | Ph. D | Microbial Control of Crop Pests and Integrated Pest Management |
| | Dr. M. Rajasri | Ph. D | Integrated Pest Management, Seed/Storage Entomology, Vegetable Entomology, Pesticide Residue Analysis, Insecticide Resistance Management |
| | Dr. M.S.V Chalam | Ph. D | Insect Morphology and Bio Systematics and Integrated Pest Management |
| | Dr. K.V. Hari Prasad | Ph. D | Host Plant Resistance, Tritrophic Interactions, Insecticide Resistance Management |
| | Dr. G.S. Panduranga | Ph.D | Insect Nutrition and Male Sterile Technique in Fruit Fly |
| **5** | **Department of Plant Pathology** | | |
| | Dr. R. Sarada Jayalakshmi Devi | Ph.D | Mycology, fungalpathology, biological control and mushroom research |
| | Dr. M.K. Jyosthna | Ph.D | Biological control, Bacteriology |
| | Smt. P. Arunasri | M.Sc. (Ag.) | Biological control, Fungal Pathology |
| | Sri. M. Gurivi Reddy | M.Sc. (Ag.) | Plant Virology, Phytoplasmas, Host pathogen interaction |
| | Dr. M. Pradeep | Ph.D | Plant Virology, Plant Bacteriology |

| S. No. | Name of the faculty | Highest degree | Area of specialization |
|---|---|---|---|
| **6** | **Department of Crop Physiology** | | |
| | Dr. P. Sandhya Rani | Ph.D | Plant hormones |
| | Dr. V. Umamahesh | Ph.D | Plant nutrition and Seed Physiology |
| | Dr. A.R. Nirmal Kumar | Ph.D | Abiotic stresses Physiology |
| **7** | **Department of Agricultural Engineering** | | |
| | Dr. M. Venkata Ramana | Ph.D | Soil and Water Conservation Engineering |
| | Dr. K. Madhusudhan Reddy | Ph.D | Soil and Water Conservation Engineering |
| | Ch. Murali Krishna | M.Tech | Soil and Water Conservation Engineering |
| **8** | **Department of Horticulture** | | |
| | Dr. V. Srilatha | Ph.D | Horticulture-Fruit Science |
| | Dr. P. Karthik Reddy | Ph.D | Horticulture-Vegetable Science |
| **9** | **Department of Agricultural Economics** | | |
| | Dr. I. Bhavani Devi | Ph.D | Agricultural Marketing and Price analysis, International trade |
| | Dr. S. Rajeswari | Ph.D | Production Economics and Price analysis |
| | Dr. B. Aparna | Ph.D | Marketing |
| | Dr. N. Vani | Ph.D | Micro Economics |
| | Smt. S. Ujwala Rani | M.Sc. (Ag.) | Agricultural Finance and Project Analysis |
| **10** | **Institute of Agribusiness Management** | | |
| | Mrs. Y. Prabhavathi | MBA | Agribusiness Management |
| | Sri. N.T. Krishna Kishore | MBA | Agribusiness Management |
| **11** | **Department of Agricultural Extension** | | |
| | Dr. S.V. Prasad | Ph.D | Agricultural Extension, Diffusion and Adoption studies |
| | Dr. T. Lakshmi | Ph.D | Research Methodology |
| | Dr. P.V. Sathya Gopal | Ph.D | ICTs and Impact studies |
| | Dr. V. Sailaja | Ph.D | Research methodology |
| | Dr. P. Ganesh Kumar | Ph.D | ICTs, Farmers Organizations and Entrepreneurship Development |
| **12** | **Department of Statistics and Computer Applications** | | |
| | Dr. P. Lavanya Kumari | Ph.D | Operational Research and Industrial statistics |
| | Dr. B. Ramana Murthy | Ph.D | Applied regression analysis |
| | Dr. Shaik Nafeez Umar | Ph.D | Econometrics |
| **13** | **Library** | | |
| | Dr. T. Ramalakshmi | Ph.D | Library and Information Science |
| **14** | **Physical Education** | | |
| | Dr. A. Pratap Reddy | Ph.D | Sports Psychology |
| | Sri. R. Ravi Kanth Reddy | M.P.E.D | Volley Ball |

### 6.5.2.3.2 Credentials of the faculty (Awards received by the teaching faculty)

| S. No. | Name of the faculty | Department | Year | Name of the award | Level |
|---|---|---|---|---|---|
| 1 | Dr. D. Subramanyam | Agronomy | 2017 | Fellow of Indian Society of Weed Science | National |
| 2 | Dr. D. Subramanyam | | 2015 | University Meritorious Teacher Award | University |
| 3 | Dr. A.V. Nagavani | | 2017 | University Meritorious Teacher Award | University |
| 4 | Dr. C. Nagamani | | 2018 | Prof. G. H. Shankar Reddi Memorial Gold Medal | University |
| 5 | Dr. V. Sumathi | | 2019 | Andhra Pradesh State Best Teacher Award | State |
| 6 | Dr. Y. Reddiramu | | 2019 | Best teacher award | District |
| 7 | Dr. R.P. Vasanthi | GPBR | 2018 | Best Research Scientist award | District |
| 8 | Dr. R.P. Vasanthi | | 2016 | Reviewer Excellence Award of ARCC Journals, Karnal | National |
| 9 | Dr. R.P. Vasanthi | | 2015 | Sri Neelakantapuram Kaverappa Gold | University |
| 10 | Dr. M. Reddisekhar | | 2017 | State Best Teacher Award | State |
| 11 | Dr. B. Rupesh Kumar Reddy | | 2019 | Best Teacher Award | Others |
| 12 | Dr. B. Rupesh Kumar Reddy | | 2020 | Acharya Devobhava Puraskaram | Others |
| 13 | Dr. M.V.S. Naidu | SSAC | 2016 | Best Poster Presentation Award | National |
| 14 | Dr. M.V.S. Naidu | | 2017 | State Level Best Teacher Award | State |
| 15 | Dr. M.V.S. Naidu | | 2017 | Best Poster Presentation Award | National |
| 16 | Dr. M.V.S. Naidu | | 2017 | Excellence in Teaching | National |
| 17 | Dr. M.V.S. Naidu | | 2017 | Prof. Sant Singh Award | National |
| 18 | Dr. K. Manjula | Entomology | 2020 | Reviewer Excellence Award | International |
| 19 | Dr. M.S.V. Chalam | | 2019 | Best Scientist Award | District |
| 20 | Dr. S. Panduranga | | 2015 | Best Poster Presentation Award | National |
| 21 | Dr. S. Panduranga | | 2015 | Best Poster Presentation Award | South zone |

| S. No. | Name of the faculty | Department | Year | Name of the award | Level |
|---|---|---|---|---|---|
| 22 | M. Gurivi Reddy | Plant Pathology | 2020 | Best Poster Award | International |
| 23 | M. Gurivi Reddy | | 2020 | Best Poster Award | International |
| 24 | M. Gurivi Reddy | | 2019 | Best Poster Award | National |
| 25 | Dr. M. Pradeep | | 2016 | M.J. Narasimhan Best Doctoral Thesis by IPS (Southern Zone) | National |
| 26 | Dr. V. Umamahesh | Crop Physiology | 2017 | Excellence in Teaching Award | State |
| 27 | Dr. V. Umamahesh | | 2017 | Meritorious Teacher Award | University |
| 28 | Dr. V. Umamahesh | | 2019 | Merit Certificate | District |
| 29 | Dr. M. Venkata Ramana | Agricultural Engineering | 2015 | A V Krishnayya Memorial Award | State |
| 30 | Dr. M. Venkata Ramana | | 2019 | Leadership Award | National |
| 31 | Dr. K. Madhusudhan Reddy | | 2015 | Best Scientist | State Level |
| 32 | Dr. K. Madhusudhan Reddy | | 2017 | Vasantha Rao Naik Award | National |
| 33 | Dr. V. Srilatha | Horticulture | 2015 | UHS Gold Medal | University |
| 34 | Dr. V. Srilatha | | 2015 | Indo-American Hybrid Seed Gold Medal | University |
| 35 | Dr. V. Srilatha | | 2015 | University Head quarter Officers Gold Medal | University |
| 36 | Mrs. Y. Prabhavathi | IABM | 2020 | Best paper award for the Theme Innovations and Startups | International |
| 37 | Dr. P.V. Sathya Gopal | Agricultural Extension | 2015 | University Meritorious Teacher Award of ANGRAU | University |
| | Dr. P.V. Sathya Gopal | | 2018 | State Best Teacher Award | State |

### 6.5.2.3.3 Credentials of the faculty - Major courses offered by the teaching staff in different departments

| S. No. | Course No. | Title of the course | Credit hours |
|---|---|---|---|
| **Department of Agronomy** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | AGRO-101 | Agriculture Heritage | 1 (1+0) |
| 2 | AGRO-102 | Fundamentals of Agronomy | 3 (2+1) |
| 3 | AGRO-103 | Introduction to Agrometeorology and Climate Change | 2 (1+1) |
| 4 | AGRO-104 | Introduction to Forestry | 2 (1+1) |
| 5 | AGRO-201 | Crop Production Technology-I | 3 (2+1) |
| 6 | AGRO-202 | Crop Production Technology-II | 3 (2+1) |
| 7 | AGRO-203 | Farming Systems and Sustainable Agriculture | 1 (1+0) |
| 8 | AGRO-204 | Irrigation Water Management | 2 (1+1) |
| 9 | AGRO-301 | Geoinformatics and Nanotechnology for Precision Farming | 2 (1+1) |
| 10 | AGRO-302 | Practical Crop Production | 1 (0+1) |
| 11 | AGRO-303 | Rainfed Agriculture and Watershed Management | 2 (1+1) |
| 12 | AGRO-304 | Principles of Organic Farming | 2 (1+1) |
| 13 | AGRO-305 | Agricultural Waste Management | 3 (2+1) |
| 14 | AGRO-306 | Weed Management | 3 (2+1) |
| **M.Sc. Agriculture** | | | |
| 1 | AGRON-501 | Modern Concepts of Crop Production | 3 (3+0) |
| 2 | AGRON-502 | Soil Fertility and Nutrient Management | 3 (2+1) |
| 3 | AGRON-503 | Principles and Practices of Weed Management | 3 (2+1) |
| 4 | AGRON-504 | Principles and Practices of Water Management | 3 (2+1) |
| 5 | AGRON-506 | Agronomy of Major Cereals and Pulses | 3 (2+1) |
| 6 | AGRON-507 | Agronomy of Oilseeds, Fibre and Sugar Crops | 3 (2+1) |
| 7 | AGRON-512 | Dry Land Farming and Watershed Management | 3 (2+1) |
| 8 | AGRON-591 | Master's Seminar | 1 (1+0) |
| 9 | PGS-506 | Disaster Management | 1 (0+1) |
| **Ph.D** | | | |
| 1 | AGRON-601 | Current Trends in Agronomy | 3 (2+1) |
| 2 | AGRON-602 | Crop Ecology | 2 (2+0) |
| 3 | AGRON-605 | Irrigation Management | 3 (2+1) |
| 4 | AGRON-606 | Advances in Weed Management | 2 (2+0) |
| 5 | AGRON-607 | Integrated Farming Systems | 2 (2+0) |
| 6 | AGRON-608 | Soil Conservation and Watershed Management | 3 (2+1) |
| 7 | AGRON-691 | Doctoral Seminar | 1 (1+0) |

| S. No. | Course No. | Title of the course | Credit hours |
|---|---|---|---|
| **Department of Genetics and Plant Breeding** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | GPBR-111 | Fundamentals of Genetics | 3 (2+1) |
| 2 | GPBR-211 | Fundamentals of Plant Breeding | 3 (2+1) |
| 3 | GPBR-311 | Crop Improvement -I | 3 (2+1) |
| 4 | GPBR-312 | Crop Improvement-II | 2 (1+1) |
| 5 | GPBR-313 | Intellectual Property Rights | 1 (1+0) |
| 6 | GPBR-314 | Principles of Seed Technology | 3 (2+1) |
| 7 | ELCT-315 | Commercial Plant Breeding | 3 (1+2) |
| **M.Sc. Agriculture** | | | |
| 1 | GP-501 | Principles of Genetics | 3 (2+1) |
| 2 | GP-502 | Principles of Cytogenetics | 3 (2+1) |
| 3 | GP-503 | Principles of Plant Breeding | 3 (2+1) |
| 4 | GP-504 | Principles of Quantitative Genetics | 3 (2+1) |
| 5 | GP-507 | Heterosis Breeding | 2 (1+1) |
| 6 | GP-508 | Cell biology and Molecular Genetics | 3 (2+1) |
| 7 | GP-509 | Biotechnology in Crop Improvement | 3 (2+1) |
| 8 | GP-591 | Master's Seminar | 1 (1+0) |
| 9 | PGS-503 | Intellectual Property and its Management in Agriculture | 1 (0+1) |
| **Ph.D** | | | |
| 1 | GP-510 | Breeding for Biotic and Abiotic Stress Resistance | 3 (2+1) |
| 2 | GP-601 | Plant Genetic Recourses and Their Utilization | 2 (2+0) |
| 3 | GP-602 | Advances in Quantitative Genetics | 3 (2+1) |
| 4 | GP-603 | Genomics in Crop Improvement | 3 (2+1) |
| 5 | GP-604 | Cellular and Chromosomal Manipulations in Crop Improvement | 2 (2+0) |
| 6 | GP-605 | Advanced Plant Breeding Systems | 2 (2+0) |
| 7 | GP-691 | Doctoral Seminar | 1 (1+0) |
| **Department of Soil Science and Agricultural Chemistry** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | SSAC-121 | Fundamentals of Soil Science | 3 (2+1) |
| 2 | SSAC-221 | Manures, Fertilizers and Soil Fertility Management | 3 (2+1) |
| 3 | SSAC-321 | Problematic soils and their Management | 2 (1+1) |
| 4 | BICM-100 | Fundamentals of Plant Biochemistry and Biotechnology | 3 (2+1) |
| 5 | BICM-101 | Principles of Food Science and Nutrition | 2 (1+1) |
| 6 | BICM-300 | Principles of Food Science and Nutrition | 2 (1+1) |
| 7 | ELCT-222 | Soil, Plant, Water and Seed Testing | 3 (1+2) |

| S. No. | Course No. | Title of the course | Credit hours |
|---|---|---|---|
| **M.Sc. Agriculture** | | | |
| 1 | SOILS-501 | Soil Physics | 3 (2+1) |
| 2 | SOILS-502 | Soil Fertility and Fertilizer Use | 4 (3+1) |
| 3 | SOILS-503 | Soil Chemistry | 3 (2+1) |
| 4 | SOILS-504 | Soil mineralogy, Soil genesis, Classification and Survey | 3 (2+1) |
| 5 | SOILS-505 | Soil Erosion and Conservation | 3 (2+1) |
| 6 | SOILS-506 | Soil Biology and Biochemistry | 3 (2+1) |
| 7 | SOILS-509 | Soil, Water and Air Pollution | 3 (2+1) |
| 8 | SOILS-510 | Remote Sensing and GIS Techniques for soil and Crop Studies | 3 (2+1) |
| 9 | SOILS-511 | Analytical Techniques and Instrumental Methods of Soil and Plant Analysis | 2 (0+2) |
| 10 | SOILS-513 | Management of Problem Soils and Water | 3 (2+1) |
| 11 | SOILS-515 | Land Degradation and Restoration | 1 (0+1) |
| 12 | BIOCHEM-507 | Plant Biochemistry | 3 (3+0) |
| 13 | SOILS-591 | Master's Seminar | 1 (1+0) |
| 14 | PGS-504 | Basic Concepts in Laboratory Technics | 1 (0+1) |
| **Ph.D** | | | |
| 1 | SOILS-602 | Advances in Soil Fertility | 2 (2+0) |
| 2 | SOILS-604 | Soil Genesis and Micropedology | 2 (2+0) |
| 3 | SOILS-605 | Biochemistry of Soil Organic Matter | 2 (2+0) |
| 4 | SOILS-606 | Land Use Planning and Watershed Management | 2 (2+0) |
| 5 | SOILS-691 | Doctoral Seminar | 1 (0+1) |
| **Department of Entomology** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | ENTO-131 | Fundamentals of Entomology-I | 3 (2+1) |
| 2 | ENTO-231 | Fundamentals of Entomology-II | 2 (1+1) |
| 3 | ENTO-331 | Pests of Field crops, Stored Grains and their Management | 3 (2+1) |
| 4 | ENTO-332 | Pest of Horticultural Crops and their Management and Beneficial Insects | 3 (2+1) |
| 5 | ELCT-333 | Bio Pesticides and Bio fertilizers | 3 (2+1) |
| 6 | ELCT-334 | Agrochemicals | 3 (2+1) |

| S. No. | Course No. | Title of the course | Credit hours |
|---|---|---|---|
| **M.Sc. Agriculture** | | | |
| 1 | ENT-501 | Insect Morphology | 2 (1+1) |
| 2 | ENT-502 | Insect Anatomy, Physiology and Nutrition | 3 (2+1) |
| 3 | ENT-504 | Classification of Insects | 3 (2+1) |
| 4 | ENT-505 | Insect Ecology | 2 (1+1) |
| 5 | ENT-506 | Insect Pathology | 2 (1+1) |
| 6 | ENT-507 | Biological Control of Crop Pests and Weeds | 2 (1+1) |
| 7 | ENT-508 | Toxicology of Insecticides | 2 (1+1) |
| 8 | ENT-510 | Principles of Integrated Pest Management | 2 (1+1) |
| 9 | ENT-511 | Pests of Field Crops | 2 (1+1) |
| 10 | ENT-515 | General Acarology | 2 (1+1) |
| 11 | ENT-518 | Techniques in Plant Protection | 1 (0+1) |
| 12 | ENT-591 | Master's Seminar | 1 (1+0) |
| **Ph.D** | | | |
| 1 | ENT-506 | Insect Pathology | 2 (1+1) |
| 2 | ENT-509 | Plant Resistance to Insects | 2 (1+1) |
| 3 | ENT-513 | Storage Entomology | 2 (1+1) |
| 4 | ENT-519 | Commercial Entomology | 2 (1+1) |
| 5 | ENT-602 | Immature Stages of Insects | 2 (1+1) |
| 6 | ENT-612 | Advanced Integrated Pest Management | 2 (2+0) |
| 7 | ENT-614 | Insect Vectors of Plant Viruses and Pathogens | 2 (1+1) |
| 8 | ENT-691 | Doctoral Seminar | 1 (1+0) |
| **Department of Plant Pathology** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | PATH-171 | Fundamentals of Plant Pathology-I | 3 (2+1) |
| 2 | PATH-271 | Fundamentals of Plant Pathology-II | 2 (1+1) |
| 3 | PATH-371 | Diseases of Field and Horticultural Crops and their Management-I | 3 (2+1) |
| 4 | PATH-372 | Diseases of Field and Horticultural Crops and their Management-II | 2 (1+1) |
| 5 | PATH-373 | Principles of Integrated Pest and Disease Management | 2 (1+1) |
| 6 | AMBE-101 | Agricultural Microbiology | 2 (1+1) |
| 7 | ELCT-272 | Food Safety Issues | 3 (2+1) |

| S. No. | Course No. | Title of the course | Credit hours |
|---|---|---|---|
| **M.Sc. Agriculture** | | | |
| 1 | PL.PATH-501 | Mycology | 3 (2+1) |
| 2 | PL.PATH-502 | Plant Virology | 3 (2+1) |
| 3 | PL.PATH-503 | Plant Bacteriology | 3 (2+1) |
| 4 | PL.PATH-504 | Principles of Plant Pathology | 3 (3+0) |
| 5 | PL.PATH-505 | Detection and Diagnosis of Plant Pathogens | 2 (0+2) |
| 6 | PL.PATH-510 | Seed Health Technology | 3 (2+1) |
| 7 | PL.PATH-511 | Chemicals in Plant Disease Management | 3 (2+1) |
| 8 | PL.PATH-591 | Master's Seminar | 1 (1+)) |
| **Ph.D** | | | |
| 1 | PL.PATH-601 | Advanced Mycology | 3 (2+1) |
| 2 | PL.PATH-602 | Advanced Virology | 3 (2+1) |
| 3 | PL.PATH-603 | Advanced Bacteriology | 3 (2+1) |
| 4 | PL.PATH-604 | Molecular Basis of Host Pathogen Interaction | 3 (2+1) |
| 5 | PL.PATH-691 | Doctoral Seminar | 1 (1+0) |
| **Department of Crop Physiology** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | CPHY-161 | Introductory Biology | 2 (1+1) |
| 2 | CPHY-162 | Fundamentals of Crop Physiology | 3 (2+1) |
| 3 | CPHY-261 | Eco-physiology | 2 (1+1) |
| 4 | CPHY-361 | Environmental Studies and Disaster Management | 2 (1+1) |
| 5 | ELCT-362 | Micro Propagation Technologies | 3 (1+2) |
| **M.Sc. Agriculture** | | | |
| 1 | CP-501 | Principles of Plant Physiology-I | 3 (2+1) |
| 2 | CP-502 | Principles of Plant Physiology-II | 3 (2+1) |
| 3 | CP-503 | Plant Developmental Biology Physiological and Molecular Basis | 2 (2+0) |
| 4 | CP-504 | Physiological and Molecular Responses of Plant to Abiotic Stresses | 3 (2+1) |
| 5 | CP-505 | Hormonal Regulation of Plant Growth and Development | 3 (2+1) |
| 6 | CP-506 | Physiology of Growth Yield and Modeling | 2 (1+1) |
| 7 | CP-508 | Morphogenesis, Tissue Culture and Plant Transformation | 2 (1+1) |
| 8 | CP-509 | Physiology of Crop Plants-Specific Case Studies | 2 (2+0) |
| 9 | CP-591 | Master's Seminar | 1 (1+0) |

| S. No. | Course No. | Title of the course | Credit hours |
|---|---|---|---|
| **Ph.D** | | | |
| 1 | CP-603 | Molecular Approaches for Improving Physiological Traits | 3 (2+1) |
| 2 | CP-604 | Techniques in Plant Physiology | 2 (0+2) |
| 3 | CP-605 | Climate Change and Crop Growth | 2 (2+0) |
| 4 | CP-606 | Post Harvest Physiology | 2 (2+0) |
| 5 | CP-607 | Weed Physiology and Herbicide Action | 2 (1+1) |
| 6 | CP-608 | Seed Physiology | 3 (2+1) |
| 7 | CP-692 | Doctoral Seminar | 1 (1+0) |
| **Department of Agricultural Engineering** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | AENG-151 | Soil and Water Conservation Engineering | 2 (1+1) |
| 2 | AENG-251 | Farm Machinery and Power | 2 (1+1) |
| 3 | AENG-252 | Renewable Energy and Green Technology | 2 (1+1) |
| 4 | AENG-351 | Protected Cultivation and Post-harvest Technology | 2 (1+1) |
| **Department of Horticulture** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | HORT-181 | Fundamentals of Horticulture | 2 (1+1) |
| 2 | HORT-182 | Production Technology of Fruits and Plantation Crops | 2 (1+1) |
| 3 | HORT-281 | Production Technology of Vegetables and Flowers | 3 (2+1) |
| 4 | HORT-282 | Production Technology for Ornamental Crops, Medicinal and Aromatic plants and Landscaping | 2 (1+1) |
| 5 | HORT-381 | Post-harvest Management and Value Addition of Fruits and Vegetables | 2 (1+1) |
| 6 | ELCT-283 | Hi-tech Horticulture | 3 (2+1) |
| 7 | ELCT-383 | Protected Cultivation | 3 (2+1) |
| **Department of Agricultural Economics** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | AECO-141 | Fundamentals of Economics | 3 (3+0) |
| 2 | AECO-241 | Agricultural Finance and Cooperation | 2 (1+1) |
| 3 | AECO-242 | Agricultural Marketing, Trade and Prices | 3 (2+1) |
| 4 | AECO-341 | Farm Management, Production and Resource Economics | 2 (1+1) |
| 5 | ELCT-342 | Agribusiness Management | 3 (2+1) |

| S. No. | Course No. | Title of the course | Credit hours |
|---|---|---|---|
| **M.Sc. Agriculture** | | | |
| 1 | AGECON-501 | Micro Economic Theory and Applications | 2 (2+0) |
| 2 | AGECON-502 | Macro Economics and Policy | 2 (2+0) |
| 3 | AGECON-503 | Evolution of Economic Thought | 1 (1+0) |
| 4 | AGECON-504 | Agricultural Production Economics | 2 (1+1) |
| 5 | AGECON-505 | Agricultural Marketing and Price Analysis | 3 (2+1) |
| 6 | AGECON-506 | Research methodology for Social Sciences | 2 (1+1) |
| 7 | AGECON-507 | Econometrics | 3 (2+1) |
| 8 | AGECON-508 | Linear Programming | 2 (1+1) |
| 9 | AGECON-509 | Agricultural Finance and Project Management | 3 (2+1) |
| 10 | AGECON-591 | Masters Seminar | 1 (1+0) |
| **Ph.D** | | | |
| 1 | AGECON-601 | Advanced Micro-Economic Analysis | 2 (1+1) |
| 2 | AGECON-602 | Advanced Macro-Economic Analysis | 2 (2+0) |
| 3 | AGECON-603 | Advanced Econometrics | 3 (2+1) |
| 4 | AGECON-604 | Advanced Production Economics | 3 (2+1) |
| 5 | AGECON-605 | Quantitative Development Policy Analysis | 2 (1+1) |
| 6 | AGECON-606 | Advanced Agricultural Marketing and Price Analysis | 3 (2+1) |
| 7 | AGECON-691 | Doctoral Seminar | 1 (1+0) |
| **Institute of Agribusiness Management** | | | |
| 1 | ABM-511 | Organization Behaviour | 2 (2+0) |
| 2 | ABM-512 | Managerial Economics | 3 (2+1) |
| 3 | ABM-513 | Financial Accounting and Control | 2 (1+1) |
| 4 | ABM-514 | Marketing Management | 2 (2+0) |
| 5 | ABM-515 | Operations Management | 2 (1+1) |
| 6 | ABM-516 | Agri-Business Environment and Policy | 2 (1+1) |
| 7 | ABM-517 | Statistical Methods in Business Analysis | 3 (2+1) |
| 8 | ABM-521 | Rural Marketing | 2 (2+0) |
| 9 | ABM-522 | Agri-Input Marketing | 2 (2+0) |
| 10 | ABM-523 | Financial Management | 3 (2+1) |
| 11 | ABM-524 | Supply Chain Management in Agribusiness | 2 (1+1) |
| 12 | ABM-525 | Marketing Research in Agribusiness | 2 (1+1) |
| 13 | ABM-526 | Project Management in Agribusiness | 2 (1+1) |
| 14 | ABM-527 | Entrepreneurship and New Venture Planning | 2 (1+1) |
| 15 | ABM-528 | Business Communication | 1 (0+1) |
| 16 | ABM-529 | Operations Research | 2 (1+1) |

| S. No. | Course No. | Title of the course | Credit hours |
|---|---|---|---|
| 17 | ABM-531 | Rural Marketing | 2 (2+0) |
| 18 | ABM-532 | Agri-Input Marketing | 2 (2+0) |
| 19 | ABM-533 | Institutional Financial Management | 2 (2+0) |
| 20 | ABM-534 | Food Business Management | 2 (2+0) |
| 21 | ABM-535 | Strategic Management | 1 (1+0) |
| 22 | ABM-536 | Commodity Markets, Futures and Options | 2 (2+0) |
| 23 | ABM-537 | International Trade and Policy | 2 (2+0) |
| 24 | ABM-539 | Management Information Systems | 1 (1+0) |
| **Department of Agricultural Extension** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | AEXT-190 | Human Values & Ethics | 1 (1+0) |
| 2 | AEXT-191 | Rural Sociology and Educational Psychology | 2 (1+1) |
| 3 | AEXT-291 | Fundamentals of Agricultural Extension | 2 (1+1) |
| 4 | AEXT-292 | Entrepreneurship Development and Communication Skills | 2 (1+1) |
| 5 | AEXT-391 | Communication Skills and Personality Development | 2 (1+1) |
| **M.Sc. Agriculture** | | | |
| 1 | EXT-501 | Development perspectives of Extension Education | 2 (1+1) |
| 2 | EXT-502 | Development Communication | 3 (2+1) |
| 3 | EXT-503 | Diffusion and Adoption of Innovations | 3 (2+1) |
| 4 | EXT-504 | Research Methods in Behavioural Sciences | 3 (2+1) |
| 5 | EXT-505 | e-Extension | 3 (2+1) |
| 6 | EXT-506 | Entrepreneurship Development and Management in Extension | 2 (1+1) |
| 7 | EXT-507 | Human Resource Development | 3 (2+1) |
| 8 | EXT-591 | Masters Seminar | 1 (1+0) |
| **Ph.D** | | | |
| 1 | EXT-601 | Advances in Agricultural Extension | 3 (2+1) |
| 2 | EXT-602 | Advanced Design and Techniques in Social Science Research | 3 (2+1) |
| 3 | EXT-603 | Advances in Training Technology | 3 (2+1) |
| 4 | EXT-604 | Organisational Development | 3 (2+1) |
| 5 | EXT-605 | Advanced Instructional Technology | 3 (2+1) |
| 6 | EXT-691 | Doctoral Seminar | 1 (1+0) |
| **Department of Statistics and Computer Applications** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | SMCA-101 | Elementary Mathematics | 2 (1+1) |
| 2 | SMCA-201 | Statistical Methods | 2 (1+1) |
| 3 | SMCA-301 | Agriculture Informatics | 2 (1+1) |

| S. No. | Course No. | Title of the course | Credit hours |
|---|---|---|---|
| **M.Sc. Agriculture** | | | |
| 1 | STAT-501 | Mathematical Methods for Applied Sciences | 2 (1+1) |
| 2 | STAT-511 | Statistical Method for Applied Science | 3 (2+1) |
| 3 | STAT-512 | Design Experiment | 3 (2+1) |
| 4 | STAT-513 | Sampling Techniques | 3 (2+1) |
| 5 | STAT-521 | Applied Regression Analysis | 3 (2+1) |
| 6 | STAT-531 | Data Analysis Using Statistical Packages | 3 (2+1) |
| 7 | STAT-552 | Mathematical Methods-II | 3 (2+1) |
| 8 | STAT-561 | Statistical Methods | 3 (2+1) |
| 9 | STAT-563 | Multivariate Analysis | 3 (2+1) |
| 10 | STAT-565 | Sampling Techniques | 3 (2+1) |
| 11 | STAT-568 | Statistical Computer | 2 (1+1) |
| 12 | STAT-569 | Time Series Analysis | 2 (1+1) |
| 13 | STAT-572 | Econometrics | 2 (1+1) |
| 14 | STAT-575 | Demography | 2 (1+1) |
| 15 | STAT-591 | Masters Seminar | 1 (1+0) |
| **English** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | ENGL-101 | Comprehensive and Communication Skills in English | 2 (1+1) |
| **M.Sc. Agriculture** | | | |
| 1 | PGS-502 | Technical writing and Communication Skills | 1 (0+1) |
| **Animal Production** | | | |
| **B.Sc. (Hons.) Agriculture** | | | |
| 1 | LSPM-201 | Livestock and Poultry Management | 3 (2+1) |
| **Library** | | | |
| 1 | PGS-501 | Library and Information Sources | 1 (0+1) |
| **Department of Physical Education** | | | |
| 1 | COCA-100 | Physical Education and Yoga practices | 2 (0+2) |
| 2 | COCA-200 | Educational Tour | 2 (0+2) |

**6.5.2.3.4 Publications by faculty members in National and International journals are listed in Annexure – I**

**6.5.2.3.5 Conferences/seminars/workshops attended by the faculty members are listed in Annexure – II**

**6.5.2.3.6 Books and book chapters written by teaching faculty**

**Department of Agronomy**

1. Reddy, S. R and Reddi Ramu, Y. 2017. *Agronomy of Field crops.* Kalyani Publishers. Ludhiana.

2. Reddy, S.R and Nagamani, C. 2017. *Introduction to Forestry.*Kalyani Publishers, New Delhi.

3. Reddy, S.R and Nagamani, C. 2017. *Principles of Crop Production*. Kalyani Publishers, New Delhi.

4. Hemalatha, S and Reddy, A.P.K. 2018. Dissemination of Groundnut Research Technology Through Farmers Call Centre: A critical Analysis. In G Krishna Reddy, P.V.R.M. Reddy., Reddy P.M., Raja Reddy., K and Giridhara Krishna. T (eds.) *Recent Advances in Groundnut Production Technology*". B.S Publications. 797-802.

5. Reddy, A.P.K and Hemalatha, S. 2018. Soil and Water Conservation Measures in Rainfed Agriculture. In G Krishna Reddy, P.V.R.M. Reddy., Reddy P.M., Raja Reddy., K and Giridhara Krishna. T (eds.) *Recent Advances in Groundnut Production Technology*". B.S Publications. 523-533.

6. Ramesh Naik, M and Hemalatha, S. 2019. *Glimpses of Agronomy and Agricultural Sciences.* Navya Publication House,

**Department of Genetics and Plant Breeding**

1. R.P. Vasanthi 2017. Breeding high yielding drought resistant varieties in groundnut. In G Krishna Reddy, P.V.R.M. Reddy., Reddy P.M., Raja Reddy., K and Giridhara Krishna. T (eds.) *Recent Advanced in Groundnut Production Technology*, B.S. Publications. 84-118.

2. Krishna Reddy, RP Vasanthi and T Giridharakrishna 2015. Update on advanced production and protection technologies for high profit in groundnut cultivation. Associate Director of Research, RARS, Tirupati. 1-40

3. Vasanthi., R.P., Venkataramana. E and Padmini.K. 2016. Groundnut varieties released/developed by Associate Director of Research, RARS, Tirupati.1-40.

4. Vasanthi, R.P. 2019. Selection procedures in self and cross pollinated crops In Reorientation Programme on Breeding Perspectives for *kharif* oilseed crops. IIOR, Hyderabad.

5. Vasanthi, R.P and Srividya, A. 2019. Status of groundnut research in Andhra Pradesh In Naidu N.V., Vasanthi R.P and Rajasekhar P. (eds) Director of Research, ANGRAU, Guntur.

6. Reddy D.M., Reddy K.H.P., ReddiSekhar M., Naidu N.V and Eswar Reddy N.P. 2017. In G Krishna Reddy, P.V.R.M. Reddy., ReddyP.M., Raja Reddy., K and Giridhara Krishna.T (eds.) *Recent Advanced in Groundnut Production Technology*, B.S. Publications.194-206.

**Department of Entomology**

1. Hari Prasad, K.V. 2016. Recent advancement in the development of biopesticides by actinomycetes for the control of insect pests. In. Gopalakrishnansubramaniam., Sathyaarumugam and Vijayabharathirajendran (eds.) *Plant growth promoting actinobacteria- a new avenue for enhancing the productivity and soil fertility of grain legumes* Springer Science and Business Media, Singapore

2. Kirti Sharma, Panduranga, G.S. and Ram Singh. 2016. Integrated Management of Fruit Flies in Horticultural Crops. *In Doubling Farmers Income through Horticulture*. ASTRAL Publishing. The Horticultural Society of India, New Delhi. 409-420.

**Department of Plant Pathology**

1. Rao, G. P and Reddy, M. G. 2020. Overview of yield losses due to plant viruses. In *Applied Plant Virology*. Academic Press. 531-562.

2. Kumar, M.S and Devi, R.S.J. 2017. A study on *Colletotrichum* blight of chickpea in Andhra Pradesh. Lambert Academic Publishing Co.Pvt.Ltd.

**Department of Crop Physiology**

**1.** Umamahesh , V. Rajarajeswari, V. Yohan, Y and Reshma, A. 2017. Seed related physiological and quality aspects of groundnut. In G Krishna Reddy, P.V.R.M. Reddy., ReddyP.M., Raja Reddy., K and Giridhara Krishna.T (eds.) *Recent Advanced in Groundnut Production Technology*, B.S. Publications. *564-592.*

2. Umamahesh , V. Hanumantha, K. Prasad, S.V. and Sudhakar, P. 2018. A situation analysis on post-graduate research in basic sciences of agricultural education . In *Higher Education Quality Assurance and Enhancement*, Rishi Educational Society,Bangalore.29:245-255.

**Department of Agricultural Engineering**

1. Madhusudhan Reddy, K., Pavan Kumar Reddy, Y., Sahadeva Reddy, B and Appa Rao, CH. 2015. *Proceedings of National Seminar on Water management and Climate Smart Agriculture*, Gyan Publishing House. New Delhi.127-131.

2. Madhusudhan Reddy, K., Pavan Kumar Reddy, Y and Siva Jyothi, V. 2017. Recent Advances in Groundnut Production Technology. In G Krishna Reddy, P.V.R.M. Reddy., ReddyP.M., Raja Reddy., K and Giridhara Krishna.T (eds.) *Recent Advanced in Groundnut Production Technology*, B.S. Publications. 479-495.

3. Sahadeva Reddy, B., Bharghavi, K., Padmalatha, Y., Reddy, M.V.S., Vijaya Sankarbabu, M., Nrayana Swamy, G., Madhusudhan Reddy, K and Radha Kumari, C. 2016. Improved Agronomic Practices for Rainfed Crops in India-Improved Agronomic Practices for Rainfed Crops in Scarce Rainfall Zone of Andhra Pradesh. CRIDA, Hyderabad. 201-210.

**Department of Horticulture**

1. Sri Hari Babu, R. and Srilatha, V. 2019. *Plant growth regulators in tropical and sub tropical fruit crops*. Jaya Publishing House, New Delhi.

2. Rana, M.K. and Karthik Reddy P. 2017. Taro. *Vegetable Crop Science*. CRC Press Taylor and Francis (12 Pages)

3. Rana, M.K. and Karthik Reddy P. 2017. Chinese Broccoli. *Vegetable Crop Science*. CRC Press Taylor and Francis.(10 Pages)

4. Rana, M.K. and Karthik Reddy P. 2017. Watercress. *Vegetable Crop Science*. CRC Press Taylor and Francis.(8 Pages)

5. Rana, M.K., Karthik Reddy P. and Chandanshive Aniket Vilas. 2017. Rice Bean. *Vegetable Crop Science*. CRC Press Taylor and Francis.(10 Pages)

**Department of Agricultural Economics**

1. Sidharth Bhardwaj, Seedari Ujwala Rani and Pankaj Kumar Sinha. 2017. Objective Bit Bank Compilation in Agricultural Economics. In *Agricultural Economics at a Glanc*e. Sharma Publications and Distributions, New Delhi.

### 6.5.2.3.7 Research projects handled by the faculty

| Year | Name of the faculty | Amount (Lakhs) | Title of the project | PI/ Co-PI | Ongoing/ completed |
|---|---|---|---|---|---|
| **Department of Genetics and Plant Breeding** | | | | | |
| 2015-16 | Dr. R.P. Vasanthi | 6.50 | Mapping and tagging of drought tolerance related traits in the already advanced breeding lines based mapping population and use of the knowledge for development of future groundnut varieties with progressively improved tolerance to drought (RKVY) | PI | Completed |
| 2015-16 | | 5.00 | Mapping stem rot resistance genes in groundnut (*Arachis hypogaea* L.) with SSR markers (RKVY) | CO-PI | Completed |
| 2015-16 | | 10.89 | Development and promotion of promising varieties/lines with high oil content with enhanced o/l ratio enhancing production and quality of groundnut oil in drought prone environments to boost the income of small and marginal groundnut farmers in India<br>1. Evaluation of promising lines in FPVS trials<br>2. Backcrossing programme to transfer high oleic trait from Sun-oleic 95 R | PI | Completed |
| 2016-17 | | 9.22 | Fast tracking release of high oil and oleic groundnut varieties and promoting their adoption by farmers for enhanced production and quality of groundnut oil<br>i. Evaluation of High oleic lines (SB)-Concluded<br>ii. Evaluation of High oleic lines (VB) | PI | Completed |
| 2019-20 | | 203 | Establishment of Oilseeds Quality Lab in Regional Agricultural Research Station, Tirupati (RAFTAR) | PI | On-going |

| Year | Name of the faculty | Amount (Lakhs) | Title of the project | PI/ Co-PI | Ongoing/ completed |
|---|---|---|---|---|---|
| 2016-19 | Dr. V.LN. Reddy | 38.93 | Finding Natural Allelic Variants for Yield Related Genes in Rice | PI | Completed |
| 2016-17 | | 17.70 | Genetic Enhancement Of Rice For Low Moisture Stress Tolerance | PI | Completed |
| 2017-19 | | 13.30 | Development of high yielding, non-lodging and biotic resistant varieties of Black scented rice of Manipur and Joha rice of Assam through Bio-technological intervention | PI | Ongoing |
| 2016-17 | | 0.80 | Heat induced floret sterility in rice | PI | Completed |
| **Department of Entomology** | | | | | |
| 2019-20 | Dr. K. Manjula | 75.00 | Intensification of Biocontrol Research | PI | Ongoing |
| **Department of Plant Pathology** | | | | | |
| 2016-20 | Dr. M. Pradeep | 70.00 | Attracting and Retaining Youth in Agriculture | Co-PI | Ongoing |
| **Department of Crop Physiology** | | | | | |
| 2017-18 | Dr. V. Umamahesh | 4.74 | ICAR Extramural research project on Assessment of present status and future prospects of post graduate research in basic science of Agricultural education | PI | Complete |
| 2018-21 | Dr. A.R. Nirmal Kumar | 118.35 | Effective delivery of nutrients, insecticides & fungicides using nanoparticulates and its effect on growth and uptake in groundnut and chilies | Co-PI | Ongoing |
| 2018-21 | | 40.00 | Identification of genomic regions and genes for drought and heat tolerance in groundnut | Co-PI | Ongoing |

| Year | Name of the faculty | Amount (Lakhs) | Title of the project | PI/ Co-PI | Ongoing/ completed |
|---|---|---|---|---|---|
| **Department of Agricultural Economics** | | | | | |
| 2014-18 | Dr. I. Bhavani Devi | 50.00 | Agricultural market Intelligence center for forecasting prices of 12 major crops in Andhra Pradesh funded by Acharya N.G. Ranga Agri. University, Guntur | PI | Completed |
| 2019 -22 | Dr. I. Bhavani Devi | 124.96 | Causes and Consequences of e-National Agriculture Market (e-NAM) on the Economic Development of Indian Agri-culture - A case study | CCPI | Ongoing |
| **Department of Agricultural Extension** | | | | | |
| 2016-17 | Dr. S.V. Prasad | 4.74 | Assessment of present status and future prospects of post-graduate research in basic sciences of agricultural education | Co-PI | completed |
| 2015-17 | Dr. P.V. Sathya Gopal | 14.50 | ICT utilization in Agricultural Education – Gap Analysis | PI | completed |
| 2017-18 | | 4.21 | Agricultural Graduates as successful agri-preneurs- Process analysis | PI | completed |

### 6.5.2.3.8 Crop varieties developed and germplasm collected by the faculty

**i) Crop varieties**

| Year | Name of the faculty | Crop | Details of the variety/hybrid | Contribution of the applicant as per the release proposals First/second/other |
|---|---|---|---|---|
| **Department of Agronomy** | | | | |
| 2018 | Dr. G. Karuna Sagar | Cowpea | TPTC 29 | Others |
| **Department of Genetics and Plant Breeding** | | | | |
| 2015 | Dr. D. Lokanadha Reddy | Groundnut | KadiriAmaravathi | Third |
| 2016 | | Groundnut | KadiriChitravathi | Third |
| 2019 | Dr. R.P. Vasanthi | Groundnut | Dheeraj (TCGS 1073) | First |
| 2018 | | Groundnut | NityaHaritha (TCGS 1157) | First |
| 2019 | | Groundnut | Pragati (TCGS 894) | First |
| 2018 | Dr. P. Shanthi | Pearl Millet | ABV 04 | First |
| 2012 | M. Srivalli Devi | Rice | NLR 3041 | Other |
| 2012 | | Rice | NLR 40024 | Other |
| 2019 | | Rice | NLR 3354 | Other |
| 2020 | | Rice | NLR 4001 | Other |
| 2020 | | Rice | NLR 40054 | Other |

**ii) Germplasm collected**

| Year | Name of the faculty | Season | Crop | Number of germplasm | | |
|---|---|---|---|---|---|---|
| | | | | Collected | Documented | Conserved |
| **Department of Genetics and Plant Breeding** | | | | | | |
| 2015 | Dr. R.P. Vasanthi | *Rabi* | Groundnut | 325 | 325 | 325 |
| 2016 | Dr. M. Reddisekhar | *Kharif* | Pigeonpea | 34 | -- | -- |
| 2019 | | *Kharif* | Groundnut | 15 | -- | 15 |
| **Department of Entomology** | | | | | | |
| 2018 | Dr. K. Manjula | *Kharif* | Maize, *Bt* and Npv of Fall armyworm | 2 Cultures | 2 | 2 |
| 2018 | | *Kharif* | Groundnut, *Metarhizium anisopliae* on groundnut leaf miner | 1 Isolate | 1 | 1 |
| 2019 | | *Rabi* | Groundnut, *Metarhizium anisopliae* on *Spodoptera litura* | 2 Isolates | 2 | 2 |

### 6.5.2.3.9 Training programmes organized

| Year | Details of Training program/course | Duration of the program/ course (Days/weeks) | | | Manager or Co-ordinator or Director/Associate or Co-director |
|---|---|---|---|---|---|
| | | From (date) | To (date) | Total period | |
| **Department of Agronomy** | | | | | |
| 2016 | Short course on "Futuristic Agricultural Education" | 15.09.2016 | 24.09.2016 | 10 days | Dr. V. Sumathi, Coordinator |
| 2018 | Futuristic Agriculture for Food Security | 21.02.2018 | 23.02.2018 | 03 days | Dr. A. Pratap Kumar Reddy, Convener |
| **Department of Genetics and Plant Breeding** | | | | | |
| 2015 | Update on advanced production and protection technologies for high profit in groundnut cultivation (*Rabi*) | 08.01.2015 | 09.01.2015 | 02 days | HOD & Team |
| **Department of Plant Pathology** | | | | | |
| 2019 | ODLC – Mushroom Cultivation | 01.12.2019 | 31.12.2020 | 03 months | HOD & Team |
| 2019 | ODLC – Bee Cultivation | 01.05.2019 | 31.07.2019 | 03 months | HOD & Team |
| 2018 | Skill Training For Rural Youth- Mushroom Cultivation | 26.11.2018 | 03.12.2018 | 07 days | HOD & Team |
| **Institute of Agribusiness Management** | | | | | |
| 2016 | Creation of Awareness on "Prospects and Opportunities for MBA (ABM) course" to outgoing Undergraduate students at all colleges of ANGRAU | 05.05.2016 | 16.05.2016 | 12 days | Y Prabhavathi, Coordinator |

| Year | Details of Training program/course | Duration of the program/ course (Days/weeks) | | | Manager or Co-ordinator or Director/Associate or Co-director |
|---|---|---|---|---|---|
| | | From (date) | To (date) | Total period | |
| 2016 | Industry Interactive Meet | 18.05.2016 | 18.05.2016 | 01 day | Y Prabhavathi, Associate Coordinator |
| 2018 | Reformulating Agri-Business Strategies of Experiential Learning units towards attaining viability and Self Sustainability | 27.09.2018 | 29.09.2018 | 3 days | Y Prabhavathi & N T Krishna Kishore, Organizing Secretaries |
| 2019 | Industry Interactive Meet | 22.02.2019 | 22.02.2019 | 1 day | Y Prabhavathi & N T Krishna Kishore, Associate Coordinators |
| 2019 | Formulating Agribusiness Strategies for successful launch of Experiential Learning (EL) units | 27.09.2019 | 28.09.2019 | 2 Days | N T Krishna Kishore, Organizing secretary |
| 2019 | Challenges and Opportunities in Statistics and Informatics for Futuristics Humanosphere Especially in Agriculture (COSHIFHA-2019) | 29.01.2019 | 31.01.2019 | 03 days | Organizing Committee Member |
| 2020 | Workshop on Data Analytics with R using STATCRAFT | 08.02.2020 | 09.02.2020 | 02 days | Dr. G. Mohan Naidu, Coordinator |

### 6.5.2.3.10 Training programmes attended by the faculty

| S. No. | Name of the faculty | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|---|
| | | From | To | | | |
| **Department of Agronomy** | | | | | | |
| 1 | Dr. Y. Reddiramu | 25.09.15 | 15.10.15 | 21 days | Recent Advances in Groundnut Production Technology | ANGRAU, Tirupati |
| 2 | Dr. D. Subramanyam | 30.11.16 | 09.12.16 | 10 days | 5th National Training on "Advances in Weed Management" | ICAR-DWR, Jabalpur |
| | | 19.08.19 | 15.11.19 | 3 Months | Basics of Remote Sensing, Geographical Information System and Global-Navigation Satellite System | IIRS-Deharadun |
| 3 | Dr. C. Nagamani | 01.12.17 | 21.12.17 | 21 days | Winter School Training on Sustainable Organic Production Practices- an Approach to Mitigate Climate Change and Rural Livelihood Security | UAS, Begaluru |
| 4 | Dr. Y. Reddiramu | 02.09.18 | 12.09.18 | 10 days | Recent Advances in Development of Bioformulations | UHS, Bagalkote |
| 5 | Dr. B. Sandhya Rani | 05.10.18 | 25.10.18 | 21 days | Recent Advances and Innovations in Modern Organic Agriculture" | MPUA & T, Udaipur |

| S. No. | Name of the faculty | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|---|
| | | From | To | | | |
| **Department of Genetics and Plant Breeding** | | | | | | |
| 1 | Dr. V.L.N. Reddy | 16.10.19 | 25.10.19 | 10 days | Managing Rice Genetic Resources for Climate Resilience | NRRI, Cuttack |
| | | 13.04.15 | 26.4.15 | 15 days | National Training Workshop on Tilling in Crop Plants | University of Hyderabad, Hyderabad |
| | | 18.11.15 | 08.12.15 | 21 days | Plant Omics- Emerging tools and Techniques for Crop Improvement | IARI, New Delhi |
| 2 | Dr. P. Shanthi | 25.11.19 | 15.12.19 | 21 days | Advances and Developments of Seed Science and Technology in the Era of Genomics for Management and Utilization of Horticultural Plant Genetic Resources | UHS, Bagalkot |
| | | 01.12.18 | 07.12.18 | 7 days | One Week Hands on Workshop on "Cloning and Transformation Techniques" | SPMVV, Tirupati |
| 3 | M. Sreevalli Devi | 20.11.19 | 10.12.19 | 21 days | Innovative Breeding Approaches for Stress Tolerance in Crop Plants for Climate Change | TNAU, Coimbatore |
| 4 | Dr. B. Rupesh Kumar Reddy | 15.09.16 | 24.09.16 | 10 days | Futuristic Agricultural Education | ANGRAU, Tirupati |
| | | 14.11.18 | 04.12.18 | 21 days | New Vistas in Seed Production, Processing, Seed Enhancement and Marketing | Directorate of Seed Centre, TNAU, Coimbatore |

| S. No. | Name of the faculty | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|---|
| | | From | To | | | |
| **Department of Soil Science and Agricultural Chemistry** | | | | | | |
| 1 | Smt. G.P. Leelavathi | 01.12.16 | 21.12.16 | 21 days | Recent Developments in Organic Agriculture- Key to Sustain Productivity and Quality of Environment | UAS, Dharwad |
| | | 19.08.19 | 15.11.19 | 3 Months | Basics of Remote sensing Geographical Information System and Global Navigation Satellite System | IIRS, Dehradun |
| | | 16.01.20 | 25.01.20 | 10 days | Advanced Training in Heavy Metal, Pollutant Elements and Essential Nutrient Analysis in Soil, Plant and Water and their Management in Climate Change Scenario | PDKV, Akola |
| 2 | Dr. A. Prasanthi | 15.09.16 | 24.09.16 | 10 days | Futuristic Agricultural Education | ANGRAU, Tirupati |
| | | 1.12.17 | 21.12.16 | 21 days | Sustainable Organic Production Practices-An Approach to Mitigate Climate Change and Rural Livelihood Security | UAS, Bengaluru |
| | | 19.08.19 | 15.11.19 | 3 Months | Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System | IIR, Deharadun |

| S. No. | Name of the faculty | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|---|
| | | From | To | | | |
| 3 | Ms. K. Nancy Jasmine | 17.01.18 | 15.02.18 | 30 days | 5th Foundation Course for faculty of Agriculture Universities | ICAR-NAARM, Hyderabad |
| | | 19.08.19 | 15.11.19 | 3 Months | Basics of Remote Sensing, Geographical Information System and Global-Navigation Satellite System | IIRS, Deharadun |
| **Department of Entomology** | | | | | | |
| 1 | Dr. G.S. Panduranga | 21.07.15 | 30.07.15 | 10 days | Smart Agro-input Delivery Approaches Based on Hydrogels and other Polymeric Carriers for Improved Crop Health and Productivity | IARI, New Delhi |
| | | 12.04.18 | 02.05.18 | 21 days | Pesticide Residue Analysis | NIPHM, Hyderabad |
| | | 08.01.20 | 28.01.20 | 21 days | Insecticide Resistance: Biochemical and Molecular Perspectives and Strategies for Combating Resistance to Insecticides | ICAR-NBAIR, Bengaluru |
| 2 | Dr. K.V.Hari Prasad | 23.11.16 | 30.11.16 | 7 days | Pest Surveillance | NIPHM, Hyderabad |
| 3 | Dr. M.S.V. Chalam | 03.09.18 | 12.09.18 | 10 days | Recent Advances in Development of Bio formulations | UHS, Bagalkot |

| S. No. | Name of the faculty | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|---|
| | | From | To | | | |
| **Department of Plant Pathology** | | | | | | |
| 1 | Dr. M. Gurivi Reddy | 03.10.16 | 02.11.16 | 30 days | Teaching Excellence through Distance Mode | ICAR-NAARM, Hyderabad |
| | | 19.12.18 | 31.12.18 | 10 days | Genomics of Plant Pathogen and Agriculturally Important Microbes | ICAR-IARI, New Delhi |
| | | 15.10.19 | 24.10.19 | 10 days | Genome Assisted Diagnosis of Plant Viruses, Viroid's and Phytoplasmas | ICAR-IARI, New Delhi |
| 2 | Dr. M. Pradeep | 12.03.18 | 10.04.18 | 30 days | Foundation Course for Faculty of Agricultural Universities | ICAR-NAARM, Hyderabad |
| 3 | Dr. M.K. Jyosthna | 05.09.18 | 25.09.18 | 21 days | Advanced Technology in Plant Health Management and Pest Risk Analysis for Improvisation of Indian Agriculture and Farmers Income | ICAR-IARI, New Delhi |
| 4 | Dr. P. Nagamani | 13.11.18 | 3.12.18 | 21 days | Innovations in Integrated Management of Insect PESTS and Diseases through Endophytes and PGPRs" | UAS, Dharwad |
| 5 | Dr. M. Pradeep & Dr. M.K. Jyosthna | Nov, 2019 | Dec, 2019 | 6 weeks | Detection, Diagnosis and Management of Plant Diseases | Ag Moocs |

| S. No. | Name of the faculty | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|---|
| | | From | To | | | |
| 6 | Smt. P. Arunasri | 07.12.18 | 27.12.18 | 21 days | Recent Advances in Diagnosis and Management of Emerging Diseases of Field Crops | UAS, Dharwad |
| | | 01.5.20 | 15.05.20 | 15 days | MOOCS on Psychology of learning | ICAR-NAARM, Hyderabad |
| 7 | Smt. P. Arunasri & Dr. M.K Jyosthna | 01.07.20 | 30.07.20 | 30 days | Moocs on Designing e-learning Content | ICAR-NAARM, Hyderabad |
| **Department of Crop Physiology** | | | | | | |
| 1 | Dr. V. Umamahesh | 27.02.17 | 11.03.17 | 2 weeks | Physiological and Molecular Aspects of Improving Crop Adaptation to drought' | UAS, Bangalore |
| | | November 2018 | February 2019 | 12 weeks | Swayam Arpit Online Course | BHU, Varanasi |
| 2 | Dr. A.R. Nirmal Kumar | 01.05.20 | 15.05.20 | 2 weeks | Participated in Massive Open Online Course (MOOC) on " Psychology of Learning" | ICAR-NAARM, Hyderabad |
| | | 29.06.20 | 03.07.20 | 1 week | Online Training on Recent Physio-Molecular Digital Tools in Abiotic Stress Management for Crop Modeling" | VNMKV, Parbani |
| | | 27.07.20 | 05.08.20 | 10 days | Online Course (MOOC) on Cyclone Management | MANAGE, Hyderabad |

| S. No. | Name of the faculty | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|---|
| | | From | To | | | |
| **Department of Agricultural Engineering** | | | | | | |
| 1 | Dr. K. Madhusudhan Reddy | 15.10.19 | 21.10.19 | 10 days | Protected Cultivation for Enhancing Resource Use Efficiency and Productivity of Horticultural Crops | ICAR-CAZRI, Jodhpur |
| 2 | Dr. Ch. Murali Krishna | 01.11.16 | 21.11.16 | 21 days | Advanced Technologies in watershed Hydrology to Mitigate climate Change Impact on Soil and Water Resources | ICAR-IISWC, Ooty |
| | | 03.12.19 | 23.12.19 | 21 days | Geographical Information System (GIS) Approach in Soil Water and Plant Health Management | NIPHM, Hyderabad |
| **Department of Horticulture** | | | | | | |
| 1 | Dr.V.Srilatha | 02.11.16 | 22.11.16 | 21 days | Recent Advances in Post Harvest Management of Fruits, Vegetables and Flowers for Minimization of Quantitative and Qualitative Losses | ICAR-IIHR, Bengaluru |
| | | 1.11.18 | 30.11.18 | 30 days | Dynamics of Learning and Teaching | ICAR-NAARM, Hyderabad |
| | | 01.07.20 | 31.07.20 | 30 days | Designing of e-Learning Content | ICAR-NAARM, Hyderabad |

| S. No. | Name of the faculty | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|---|
| | | From | To | | | |
| 2 | Dr. P. Karthik Reddy | 01.03.15 | 31.03.15 | 30 days | 2nd Foundation Course for Faculty of Agricultural Universities | ICAR-NAARM, Hyderabad |
| | | 05.12.16 | 04.03.17 | 90 days | NCC Pre Commission Training | NCC-Officers Training Academy, Nagpur |
| | | 01.07.20 | 31.07.20 | 30 days | Designing of e-Learning Content | ICAR-NAARM, Hyderabad |
| **Department of Agricultural Economics** | | | | | | |
| 1 | Dr. S Rajeswari | 16.07.15 | 05.08 15 | 21 days | Analytical Techniques for Decision Making in Agriculture | ICAR-NIAP, New Delhi |
| 2 | Dr. N. Vani | 08.11.16 | 28.11.16 | 21 days | Application of Advanced Statistical Tools in Agricultural Research | UAS, Dharwad |
| | | 28.11.18 | 07.12.18 | 10 days | Assessment of Vulnerability and Adaptation to Climate Change in Agriculture | ICAR-CRIDA, Hyderabd |
| 3 | Dr. B. Aparna | 14.12.16 | 04.01.17 | 21 days | Impact Assessment of Agricultural Technology | ICAR-IARI, New Delhi |
| | | 01.05.15 | 30.05.15 | 30 days | Foundation Course for Faculty of Agricultural Universities | ICAR-NAARM, Hyderabad |
| 4 | Mrs. S. Ujwala Rani | 23.01.18 | 12.02.18 | 21 days | Quantitative Methods for Agricultural Policy Analysis | ICAR-IARI, New Delhi |
| | | 12.03.18 | 10.04.18 | 30 days | Foundation Course for Newly Recruited Asst. Professors / Scientists (6th FOCFAU) | ICAR-NAARM, Hyderabad |

| S. No. | Name of the faculty | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|---|
| | | From | To | | | |
| **Institute of Agribusiness Management** | | | | | | |
| 1 | Mrs Y. Prabhavathi | 13.11.18 | 03.12.18 | 21 days | Soft and Entrepreneurial Skills for Development of Agricultural Sciences | SKAU, Bikaner |
| | | 01.06.20 | 20.06.20 | 20 days | ICAR- Webinar Series on Quantitative Methods for Social Sciences | ICAR-NIAEP, New Delhi |
| **Department of Statistics and Computer Applications** | | | | | | |
| 1 | Dr. Ramana Murthy | 08.12.17 | 28.12.17 | 21 days | Advanced Statistical Tools and Techniques for Modeling and Forecasting Agricultural Data | ICAR-IASRI, New Delhi |
| 2 | Dr. Shaik Nafeez Umar | 13.06.16 | 22.06.16 | 10 days | Big Data Analytics in Agriculture" | ICAR-NAARM, Hyderabad |
| | | 14.11.18 | 04.12.18 | 21 Days | Recent Advances in Agricultural Bio informatics; Big data analytics perspectives | ICAR-IASRI, New Delhi |
| **Library** | | | | | | |
| 1 | Dr. T. Ramalakshmi | 21.01.19 | 16.02.19 | 27 days | Orientation Programme in All Subjects | SVU, Tirupati |
| | | 21.07.20 | 03.08-20 | 14 days | Refresher Course on Research Methodology for Faculty of Social Sciences | University of Hyderabad, Hyderabad |

### 6.5.2.3.11 Guest lectures given by faculty to different stake holders

| Year | Name of the faculty | Date | Details of the programme | Title of the topic | Target group |
|---|---|---|---|---|---|
| **Department of Agronomy** | | | | | |
| 2015 | Dr. G. Karuna Sagar | 12.03.2015 | DAATC, Kadapa | Fertilizer management (soil test based) to the farmers of YSR district | Extension functionaries |
| 2015 | Dr. G. Karuna Sagar | 13.03.2015 | DAATC, Kadapa | Fertilizer management (soil test based) to the farmers of YSR district | Extension functionaries |
| 2015 | Dr. G. Karuna Sagar | 03.07.2015 | DAATC, Kadapa | Fertilizer management in nursery, main field and weed management in rice to the farmers of Vontimittamandal of YSR district | Extension functionaries |
| 2015 | Dr. G. Karuna Sagar | 04.07.2015 | DAATC, Kadapa | Fertilizer management in nursery, main field and weed management in rice to the farmers of Rajampetamandal of YSR district | Extension functionaries |
| 2015 | Dr. G. Karuna Sagar | 17.07.2015 | JDA, Kadapa | Agronomic practices in major agricultural crops | Extension functionaries |
| 2015 | Dr. G. Karuna Sagar | 03.09.2015 | JDA, Kadapa | Agronomic practices in major agricultural crops | Extension functionaries |
| 2015 | Dr. G. Karuna Sagar | 03.09.2015 | JDA, Kadapa | Agronomic practices in major agricultural crops | Extension functionaries |
| 2016 | Dr. G. Karuna Sagar | 23.06.2016 | DAATTC, Kadapa | Nutrient management in groundnut to farmers of three mandals of YSR district | Extension functionaries |
| 2016 | Dr. G. Karuna Sagar | 24.09.2016 | KVK, Kadapa | Integrated crop management strategies of major crops to the progressive farmers of YSR dt | Extension functionaries |
| 2016 | Dr. G. Karuna Sagar | 26.09.2016 | KVK, Kadapa | Integrated crop management strategies of major crops to the AEOs of YSR dt | Extension functionaries |

| Year | Name of the faculty | Date | Details of the programme | Title of the topic | Target group |
|---|---|---|---|---|---|
| 2016 | Dr. G. Karuna Sagar | 28.10.2016 | DAATTC, Kadapa | Nutrient and weed management in paddy to the farmers of Pendlimarri and CK DinnemandalsofYSRdt | Extension functionaries |
| 2016 | Dr. G. Karuna Sagar | 01.11.2016 | JDA, Kadapa | Agronomical practices in major crops in the district | Extension functionaries |
| 2016 | Dr. G. Karuna Sagar | 03.11.2016 | JDA, Kadapa | Agronomical practices in major crops in the district | Extension functionaries |
| 2016 | Dr. G. Karuna Sagar | 20.12.2016 | JDA, Kadapa | Production technology of major crops in YSR dt. to the MPEOs of YSR dt | Extension functionaries |
| 2017 | Dr. G. Karuna Sagar | 24.01.2017 | RHTI, Kadapa | Weed management in Horticultural crops to HOs and MPEOs of ADH II division of YSR district | Extension functionaries |
| 2017 | Dr. G. Karuna Sagar | 25.03.2017 | KVK, Kadapa | Weed and nutrient management for improving the productivity of major crops of YSR district | Extension functionaries |
| 2017 | Dr. G. Karuna Sagar | 28.08.2017 | JDA, Kadapa | Integrated crop manage-ment in major field crops to the MPEOs of six Agricultural Divisions | Extension functionaries |
| 2017 | Dr. G. Karuna Sagar | 30.08.2017 | JDA, Kadapa | Integrated crop manage-ment in major field crops to the MPEOs of six Agricultural Divisions | Extension functionaries |
| 2018 | Dr. G. Karuna Sagar | 06.01.2018 | SBVR Agril. College, Badvel | Weed Management in major crops at Rhythu Sadassu, Badvel | Extension functionaries |
| 2018 | Dr. G. Karuna Sagar | 13.03.2018 | KVK, Kadapa | Integrated crop management in major crops of YSR district to the Youth under STRYP | Extension functionaries |

| Year | Name of the faculty | Date | Details of the programme | Title of the topic | Target group |
|---|---|---|---|---|---|
| 2018 | Dr. G. Karuna Sagar | 26.05.2018 | KVK, Kadapa | ICM in different agricultural crops | Extension functionaries |
| 2015 | Dr. S. Hemalatha | 05.11.2015 | Resource management | Soil Resource management | State |
| 2015 | Dr. S. Hemalatha | 06.02.2015 | DAESI | Integrated crop management for cereals | Extension functionaries |
| 2015 | Dr. S. Hemalatha | 23.02.2015 | DAESI | Integrated crop management in pulses | Extension functionaries |
| 2015 | Dr. S. Hemalatha | 26.03.2015 | DAESI | Natural Resource management | Extension functionaries |
| 2015 | Dr. S. Hemalatha | 26.03.2015 | DAESI | Environmental degradation | Extension functionaries |
| 2015 | Dr. S. Hemalatha | 26.06.2015 | DAESI | Package of practices and production constraints in rice, maize, pulses, cotton | Extension functionaries |
| 2015 | Dr. S. Hemalatha | 02.09.2015 | DAESI | Value addition in oilseed and commercial crops | AO's and ADA's of AP |
| 2015 | Dr. S. Hemalatha | 09.10.2015 | Role of FCC in dissemination of groundnut production technology | Winter school on Advance in Groundnut Production Technology | National |
| 2015 | Dr. S. Hemalatha | 27.10.2015 | Value addition in cereals, millets and pulses at Sameti | Integrated Crop Management in cereals, millets and pulses | Extension functionaries |
| 2016 | Dr. S. Hemalatha | 16.9.2016 | Pros and cons of On line examination system | Futuristic Agricultural Education | National |
| 2017 | Dr. S. Hemalatha | 20.11.2017 | Agro Ecological Situations | Agro ecological situations and Production systems DAESI Training | Dealers of Andhra Pradesh |

| Year | Name of the faculty | Date | Details of the programme | Title of the topic | Target group |
|---|---|---|---|---|---|
| 2018 | Dr. S. Hemalatha | 03.01.2018 | Agro Ecological Situations | Agro ecological situations and Production systems DAESI Training | Extension functionaries |
| 2019 | Dr. S. Hemalatha | 17.12.2019 | Agro Ecological Situations | Agro ecological situations and Production systems DAESI Training | Extension functionaries |
| 2016 | Dr. D. Subramanyam | 17.02.2016 | KVK, RASS | Weed management in oil seed crops | Extension functionaries |
| 2018 | Dr. D. Subramanyam | 07.03.2018 | RASS, KVK | Mechanical weed management | Extension functionaries |
| 2018 | Dr. D. Subramanyam | 23.03.2018 | RASS, KVK | Weed management options | Extension functionaries |
| **Department of Genetics and Plant Breeding** | | | | | |
| 2015 | Dr. R.P. Vasanthi | 08th and 09th January | Farmers | Selection of groundnut varieties suitable for *rabi* cultivation | Extension functionaries |
| 2015 | Dr. R.P. Vasanthi | 23.03.2015 | Farmers | Selection of groundnut varieties suitable for *rabi* cultivation | Regional |
| 2015 | Dr. R.P. Vasanthi | 25.03.2015 | ZREAC | Groundnut varieties suitable for different situations in Krishna Zone | State level officers |
| 2015 | Dr. R.P. Vasanthi | 28.10.2015 | ATMA, Chittoor | *Rabi* groundnut | Farmers |
| 2016 | Dr. R.P. Vasanthi | 07.02.2016 | IFFCO | Improved groundnut varieties | Regional |
| 2015 | Dr. R.P. Vasanthi | 05.10.2016 | Summer School | Breeding high yielding drought resistant varieties in groundnut- | Scientist |
| 2016 | Dr. R.P. Vasanthi | 01.11.2016 | Tamil Nadu-farmers exposure visit | Groundnut varieties suitable for Rabi cultivation | Farmers |
| 2017 | Dr. R.P. Vasanthi | 03.04.2017 | KVK, Kalikiri | PPV and FRA | Farmers |
| 2017 | Dr. R.P. Vasanthi | 26.05.2017 | ATMA | Value Addition in Groundnut | Farmers |

| Year | Name of the faculty | Date | Details of the programme | Title of the topic | Target group |
|---|---|---|---|---|---|
| 2017 | Dr. R.P. Vasanthi | 28th and 29th March | KVK, Kalikiri | Groundnut cultivation | Extension functionaries |
| 2018 | Dr. R.P. Vasanthi | 07.01.2018 | DAESI | Seed production-Principles and practices | Dealers |
| 2016 | Dr. R.P. Vasanthi | 30.03.2016 | PMFBY | Pradhana mantra fasal bima yojana to farmers | Farmers |
| 2016 | Dr. R.P. Vasanthi | 04.04.2016 | PMFBY | Pradhana mantra fasal bima yojana to farmers | Farmers |
| 2018 | Dr. R.P. Vasanthi | 29.11.2018 | SERP-FPOs | Groundnut varieties-Seed production aspects | Officers |
| 2017 | Dr. R.P. Vasanthi | 16.08.2017 | ATMA | Groundnut varieties and their selection | National |
| 2018 | Dr. R.P. Vasanthi | 20.11.2018 | KisanMela, ARS, kadiri | Groundnut varieties and cultivation aspects | Regional |
| 2018 | Dr. R.P. Vasanthi | 15.11.2018 | CFLDs-Groundnut-RASS KVK | Groundnut cultivation | Regional |
| 2019 | Dr. R.P. Vasanthi | 27.02.2019 | KisanMela, ARS, Nellore | Groundnut varieties and their cultivation | Regional |
| 2019 | Dr. R.P. Vasanthi | 23.08.2019 | ICAR-IIOR | Selection procedures in Self- and Cross-pollinated Crops | Scientists of AICRP-Oilseeds |
| 2019 | Dr. R.P. Vasanthi | 4th and 5th October | DOA-AP | Varietal identification in groundnut | APSSCA officials |
| 2020 | Dr. R.P. Vasanthi | 18.03.2020 | SERP | Groundnut varieties and cultivation | Master trainers |
| 2016 | Dr. V.L.N. Reddy | 29.01.2016 | GauhatiUniversity | Genetic diversity, QTL mapping and DNA fingerprinting in rice | Scientists |
| 2017 | Dr. V.L.N. Reddy | 20.01.2017 | IIT, Guwahati | Genome-assisted breeding for enhancing yield potential in rice" at International Symposium on "Plant Biotechnology for Crop Improvement" | Scientists |
| 2017 | Dr. V.L.N. Reddy | 02.10.2017 to 04.10.2017 | Next-Gen NGBT-Conference at Bhubaneswar, Odisha, | Exploration and exploitation of novel dwarf genes in rice (*Oryzasativa* L.) | Scientists |

| Year | Name of the faculty | Date | Details of the programme | Title of the topic | Target group |
|---|---|---|---|---|---|
| 2017 | Dr. B. Rupesh Kumar Reddy | 03.11.2017 | DAESI | Cotton breeding for master trainers | Master trainers |
| 2017 | Dr. B. Rupesh Kumar Reddy | 06.11.2017 | ATMA | Best Management Practices in cotton production. | Progressive farmers |
| 2017 | Dr. B. Rupesh Kumar Reddy | 09.11.2017 | ATMA | Ongoing research in cotton. | Farmers |
| 2017 | Dr. B. Rupesh Kumar Reddy | 30.11.2017 | ITDA | New techniques and methods of breeding. | Officers |
| 2017 | Dr. B. Rupesh Kumar Reddy | 19.12.2017 | SCOs | Varietal identification & seed production concepts | Officers |
| 2018 | Dr. B. Rupesh Kumar Reddy | 28.08.2018 | Extension function | Pink bollworm management. | State |
| 2019 | Dr. B. Rupesh Kumar Reddy | 04.10.2019 to 05.10.2019 | SCOs Training Programme | Seed Production in Groundnut | State |
| 2019 | Dr. B. Rupesh Kumar Reddy | 20.11.2019 | Master Trainers | Groundnut Production Technology | State |
| 2019 | Dr. B. Rupesh Kumar Reddy | 20.12.2019 | Master trainers | Seed Production in Groundnut | State |
| **Department of Soil Science Agricultural Chemistry** | | | | | |
| 2018 | Dr. M.V.S. Naidu | 05.05.2018 | DAESI | Functions and deficiency symptoms of essential nutrients in plants | Dealers |
| 2019 | | 23.11.2019 | RASS | Integrated Nutrient Management | Progressive farmers |
| 2020 | | 10-01-2020 | DAESI | Functions and deficiency symptoms of essential nutrients in plants | Dealers |
| 2020 | | 14-03-2020 | DAESI | Significance of Soil Profile | Dealers |
| 2018 | Ms. K. Nancy Jasmine | 25$^{th}$ to 27$^{th}$ June | Soil testing | Soil testing | DoA, Tirupati |

| Year | Name of the faculty | Date | Details of the programme | Title of the topic | Target group |
|---|---|---|---|---|---|
| **Department of Entomology** | | | | | |
| 2019 | Dr. N.C. Venkateswarlu | | DAESI | Management of Storage insect pests | Dealers |
| 2017 | Dr. N.C. Venkateswarlu | | DAESI | Management of Pea Nut Stem Necrosis Disease and pest management of Groundnut | Dealers |
| 2016 | Dr. N.C. Venkateswarlu | | DAESI | Management of Storage insect pests, Recent insecticides and their mode of action | Dealers |
| 2016 | Dr. K. Manjula | | Short course | Effective invigilation and paper setting | Scientist |
| **Department of Plant Pathology** | | | | | |
| 2019 | Dr. M. Pradeep | 08.07.2019 | DOA, AP | Pests and diseases in Major crops | Farmers |
| 2019 | Dr. M. Pradeep | 25.02.2019<br>26.02.2019 | ATMA | Biological control of pests in Agriculture | Farmers |
| 2019 | Dr. M. Pradeep | 23.02.2019 | ATMA | Major pests and diseases in pulses. | Farmers |
| 2019 | Dr. M. Pradeep | 20.02.2019 | ATMA | Mushroom Cultivation | Farmers |
| 2018 | Dr. M. Pradeep | 16.11.2018 | MANAGE | Importance of Crop rotation in Disease management | Extension functionaries |
| 2018 | Dr. M. Pradeep | 03.08.2018 | DAESI | Management of Pests and diseases in Vegetables | Regional |
| 2018 | Dr. M. Pradeep | 10.07.2018 | DoA | Cotton Production Technology | Regional |
| 2018 | Dr. M. Pradeep | 28.06.2018 | DoA | Important Plant protection measures in current situation | Regional |
| 2018 | Dr. M. Pradeep | 02.05.2018 | KVK-Nellore | Important Plant protection measures in current situation | Regional |
| 2019 | Dr. M. Pradeep | 23.12.2019 | ODLC | Production and marketing of Mushrooms | National |

| Year | Name of the faculty | Date | Details of the programme | Title of the topic | Target group |
|---|---|---|---|---|---|
| **Department of Agricultural Engineering** | | | | | |
| 2017 | Dr. K. Madhusudhan Reddy | 08.11.2017 | APMIP | Drip irrigation management in sugarcane | State level |
| 2018 | Dr. K. Madhusudhan Reddy | 21.03.2018 | KVK-RASS | Dryland-farm mechanization | Rural youth |
| 2018 | Dr. K. Madhusudhan Reddy | 09.05.2018 | SSI-Sugarcane | Drip irrigation in sugarcane | Farmers |
| 2018 | Dr. K. Madhusudhan Reddy | 09.10.2018 | KVK-RASS | Farm mechanization in agriculture sector & Custom hiring center | Farmers |
| 2019 | Dr. K. Madhusudhan Reddy | 26.02.2019 | KVK-RASS | Farm mechanization, farm implements and their maintenance | Extension functionaries |
| 2019 | Dr. K. Madhusudhan Reddy | 1.04.2019 | RARS, TPT | Drip Irrigation and Farm pond technology | Extension functionaries |
| 2019 | Dr. K. Madhusudhan Reddy | 25.04.2019 | RARS, TPT | Drip Irrigation and Farm pond technology | Extension functionaries |
| 2019 | Dr. K. Madhusudhan Reddy | 28.04.2019 | RARS, TPT | Drip Irrigation and Farm pond technology | Extension functionaries |
| 2019 | Dr. K. Madhusudhan Reddy | 09.05.2019 | RARS, TPT | Drip Irrigation and Farm pond technology | Extension functionaries |
| 2019 | Dr. K. Madhusudhan Reddy | 13.05.2019 | RARS, TPT | Drip Irrigation and Farm pond technology | Extension functionaries |
| 2019 | Dr. K. Madhusudhan Reddy | 05.07.2019 | RARS, TPT | Drip Irrigation and Farm pond technology | Extension functionaries |
| 2019 | Dr. K. Madhusudhan Reddy | 07.11.2019 | RARS, TPT | Design and maintenance of micro irrigation | Extension functionaries |
| **Department of Horticulture** | | | | | |
| 2016 | Dr. V. Srilatha | 16.9.2016 | RHTI, Kadapa | Chamanthisagulomelakuvalu | Farmers |
| 2017 | Dr. V. Srilatha | 30.5. 2017 | RHTI,Kadapa | Production Technology of Banana | Farmers |
| 2017 | Dr. V. Srilatha | 11.8.2017 | RHTI,Kadapa | Production Technology of Vegetables | Farmers |

| Year | Name of the faculty | Date | Details of the programme | Title of the topic | Target group |
|---|---|---|---|---|---|
| 2017 | Dr. V. Srilatha | 7.10.2017 | RHTI, Kadapa | Production technology of Chilies and Onion Cultivation in Capsicum | Farmers |
| 2016 | Dr. P. Karthik Reddy | 15.02.2016 | DDH, Tirupati | Precision farming | Extension functionaries |
| 2016 | Dr. P. Karthik Reddy | 12.02.2016 | Amara Raja, Tirupati | Ornamental Gardening | Gardeners |
| 2017 | Dr. P. Karthik Reddy | 18.09.2020 | DAESI | Protected Cultivation in Tomato | Extension functionaries |
| 2018 | Dr. P. Karthik Reddy | 17.09.2020 | DAESI | Protected Cultivation in Capsicum | Farmers |
| 2019 | Dr. P. Karthik Reddy | 16.09.2019 | Agri-entrepreneurs | Vertical Gardening | Farmers |
| 2019 | Dr. P. Karthik Reddy | 01.09.2019 | DAESI | Advanced techniques in Cole Crops Cultivation | Farmers |
| 2016 | Dr. P. Karthik Reddy | 15.02.2016 | DDH, Tirupati | Precision farming | Extension functionaries |
| **Department of Agricultural Economics** | | | | | |
| 2018 | Dr. N. Vani | 25.10.2018 | Agriclinic and Agribusiness Centres (ACABC) | Preparation of detailed project report | Rural youth |
| 2018 | Dr. N. Vani | 06.10.2018 | ACABC training programme | Market survey, development of business plan and convert business plan into DPR | Rural youth |
| 2018 | Dr. N. Vani | 28.03.2018 | ACABC training programme | Project outline and financial analysis tools | Rural youth |
| **Institute of Agribusiness Management** | | | | | |
| 2019 | N.T. Krishna Kishore | 22.11.2019 | UAS, Dharwad | Enterprising Agribusiness Ideas: Concepts, Tools and Techniques | Scientist |

### 6.5.2.3.12 Instruction material for RAWEP/ Courses etc. by faculty members

| Year | Name of the faculty | Instruction material prepared | First time/ revision | First/ Second/ Other contributor |
|---|---|---|---|---|
| **Department of Genetics and Plant Breeding** | | | | |
| 2015-16 | Dr. M. Reddi Sekhar | Practical manual of Principles of Plant Breeding | First time | First |
| 2015-16 | | Principles of Cytogenetics | First time | First |
| 2016-17 | | Practical manual of Breeding of Field & Horticultural crops | First time | First |
| 2018-19 | Dr. P. Shanthi | Practical Mannual of Crop Improvement-I (GPBR 311) | First time | First |
| 2019-20 | | Practical Mannual of Crop Improvement-I | Revised | First |
| 2018-19 | | Practical Manual of Crop Improvement-II (GPBR 312) | First time | Second |
| 2019-20 | | Practical Manual of Crop Improvement-II (GPBR 312) | Revised | Second |
| 2015-16 | Dr. B. Rupesh Kumar Reddy | Principles of Seed Technology | Revision | Other |
| 2015-16 | | Breeding of Field and Horticultural crops | Revision | Other |
| 2015-16 | | Principles of Plant Biotechnology | Revision | Other |
| **Department of Soil Science and Agricultural Chemistry** | | | | |
| 2016-17 | Dr. M.V.S. Naidu | Practical manual-Manures, Fertilizers and Agrochemicals | First time | First |
| 2018-19 | | Practical manual- Manures, Fertilizers and Soil Fertility Management | First time | Second |
| 2015-16 | Smt. G.P. Leelavathi | Principles of Soil Science | First time | Third contributor |
| 2016-17 | | Organic farming, Soil health and Crop Protection | First time | Second Contributor |

| Year | Name of the faculty | Instruction material prepared | First time/ revision | First/ Second/ Other contributor |
|---|---|---|---|---|
| **Department of Entomology** | | | | |
| 2015-16 | Dr. K.V. Hari Prasad | Field damage symptoms, marks of identification of various insect pests | First time | First |
| | | Different biological control agents, entomopathogens and their mode of action | First time | First |
| | | Structure and mode of action of different insecticides and various IRM strategies | First time | First |
| | | Tri trophic interactions, role of secondary metabolites, population dynamics etc | First time | First |
| | | Tri trophic interactions, role of secondary metabolites, population dynamics etc | First time | First |
| 2016-17 | Dr. K.V. Hari Prasad | Field damage symptoms, marks of identification of various insect pest | Revised | First |
| | | Field diagnosis of insect damage and symptoms | First time | First |
| | | Different biological control agents, entomopathogens and their mode of action | Revised | First |
| | | Structure and mode of action of different insecticides and various IRM strategies | Revised | First |
| | | Tri trophic interactions, role of secondary metabolites, population dynamics etc | First time | First |
| 2017-18 | Dr. K.V. Hari Prasad | Field damage symptoms, marks of identification of various insect pest | Revised | First |
| | | Different biological control agents, entomopathogens and their mode of action | Revised | First |
| | | Tri trophic interactions, role of secondary metabolites, population dynamics etc | Revised | First |

| Year | Name of the faculty | Instruction material prepared | First time/ revision | First/ Second/ Other contributor |
|---|---|---|---|---|
| 2018-19 | Dr. K.V. Hari Prasad | Insect pest damage symptoms of horticultural crops, sericulture, apiculture and lac cultivation | First time | First |
| | | Integrated pest management, ETL, Pest risk analysis, Survey, surveillance and monitoring | First time | First |
| | | Host plant resistance to insects, mechanisms of resistance, field evaluation, natural and artificial screening | First time | First |
| 2015-16 | Dr. N.C. Venkateswarlu | Preparation of Crop Diagnostic Technical Bulletin on Oilseeds | First time | First |
| 2019-20 | Dr. N.C. Venkateswarlu | Preparation of RAWEP and Internship Manuals | Revision | First |
| **Department of Plant Pathology** | | | | |
| 2016-17 | Dr. R. Sarada Jayalakshmi | Fundamentals of PLANT PAThology-I | First time | First |
| 2016-17 | Dr. R. Sarada Jayalakshmi | Diseases of Field Crops and their Management | First time | First |
| **Department of Agricultural Engineering** | | | | |
| 2015-16 | Dr. M.V.Ramana | Recommendations for ICAR V$^{th}$ Deans Committee NewDelhi. | First time | First |
| 2017-18 | Dr. M.V. Ramana | Comprehensive Report National Seminar On Trends In Farm Mechanization And Engineering Interventions For Sustainable Agriculture | First time | First |
| **Department of Agricultural Economics** | | | | |
| 2018-19 | Dr. S. Rajeswari | Course Content Pertaining to the4$^{th}$ Semester Course DOF-241 in Diploma in Organic Farming, ANGRAU | First time | First |

| Year | Name of the faculty | Instruction material prepared | First time/ revision | First/ Second/ Other contributor |
|---|---|---|---|---|
| **Institute of Agribusiness Management** | | | | |
| 2019-20 | Mr. N.T. Krishna Kishore | Manual and Score Card For Evaluation of Internship/ Industrial Attachment/ Implant Training under ICAR Flagship Programme for Agricultural Graduated "STUDENT READY | First Time | Member |
| **Department of Statistics and Computer Applications** | | | | |
| 2017-18 | Dr. B. Ramana Murthy | Elementary Mathematics | First Time | First |
| 2018-19 | Dr. B. Ramana Murthy | Statistical Methods | First Time | First |

### 6.5.2.3.13. Training manuals/ODLC prepared by faculty members

| Year | Name of the faculty | Instruction material prepared | First time/ revision | First/ Second/ Other contributor |
|---|---|---|---|---|
| **Entomology** | | | | |
| 2019 | Dr. N.C. Venkateswarlu | Preparation of Course Syllabus for the New Course – Bee Keeping (in Telugu) | First time | Associate editor |
| 2019 | Dr. R. Sarada Jayalakshmi Devi | *Putta godugula pempakamu* | First time | Sole |
| **Institute of Agribusiness Management** | | | | |
| 2018 | Mr. N.T. Krishna Kishore and Y. Prabhavathi | A Hand book of Entrepreneur Skill Set-I | First time | Editor & Assoc. Editor |
| 2019 | Mr. N.T. Krishna Kishore and Y. Prabhavathi | A Hand book of Entrepreneur Skill Set-II | Revision | Editor & Assoc. Editor |

### 6.5.2.3.14. Involvement in RAWEP/AELP by the faculty members

| Year | Name of the faculty | Sem | Details of Activity | Place of Operation |
|---|---|---|---|---|
| **Department of Agronomy** | | | | |
| 2015-16 | Dr. Y. Reddiramu | II | Co-director of AELP | S.V. Agril. College, Tirupati |
| 2015-16 | Dr. G. Karuna Sagar | II | Coordinator, PAMP programme | Agricultural Polytechnic, Utukur, Kadapa |
| 2016-17 | Dr. Y. Reddi Ramu | I | Associate Dean's Representative | DATTC, Anathapuramu |
| 2016-17 | Dr. A.V. Nagavani | II | Co-director of AELP | S.V. Agril. College, Tirupati |
| 2016-17 | Dr. C. Nagamani | II | Co-director of AELP | S.V. Agril. College, Tirupati |
| 2017-18 | Dr. G. Karuna Sagar | II | Associate Dean's Representative | Agricultural Polytechnic, Utukur, Kadapa |
| 2017-18 | Dr. Y. Reddi Ramu | I | Associate Dean's Representative | DATTC, Anathapur |
| 2017-18 | Dr. B. Sandhya Rani | II | Co-director of AELP | S.V. Agril. College, Tirupati |
| 2017-18 | Dr. C. Nagamani | II | Co-director of AELP | S.V. Agril. College, Tirupati |
| 2018-19 | Dr. G. Karuna Sagar | II | Coordinator, PAMP programme | Agricultural Polytechnic, Utukur, Kadapa |
| 2018-19 | Dr. G. Karuna Sagar | II | ELP Director | S.V. Agril. College, Tirupati |
| 2018-19 | Dr. A.V. Nagavani | II | Coordinator - AELP | S.V. Agril. College, Tirupati |
| 2018-19 | Dr. Y. Reddi Ramu | I | Associate Dean's Representative | DATTC, Chittoor |
| 2018-19 | Dr. C. Nagamani | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2019-20 | Dr. G. Karuna Sagar | I | Managing Director | S.V. Agril. College, Tirupati |
| 2019-20 | Dr. A.V. Nagavani | II | ELP Manager | S.V. Agril. College, Tirupati |
| 2019-20 | Dr. B. Sandhya Rani | II | RAWEP | DAATT Centre, Kadapa |
| **Department of Genetics and Plant Breeding** | | | | |
| 2017-18 | Dr. V.L.N. Reddy | I | Associate Dean's Representative | Chittoor |
| 2017-18 | | II | ELP Director | S.V.Agril. College, Tirupati |
| 2018-19 | | I | ELP Manager | S.V.Agril. College, Tirupati |
| 2019-20 | | I | ELP Manager | S.V.Agril. College, Tirupati |
| 2019-20 | | II | ELP Manager | S.V.Agril. College, Tirupati |

| Year | Name of the faculty | Sem | Details of Activity | Place of Operation |
|---|---|---|---|---|
| 2017-18 | Dr. P. Shanthi | I & II | NSS Officer | S.V.Agril. College, Tirupati |
| 2018-19 | | I & II | NSS Officer | S.V.Agril. College, Tirupati |
| 2017-18 | | II | ELP, Co-Director | S.V.Agril.College, Tirupati |
| 2018-19 | | II | ELP, Group Manager | S.V.Agril.College, Tirupati |
| 2016-17 | Dr. B. Rupesh Kumar Reddy | I | Student READY Programme | S.V.Agril.College, Tirupati |
| 2017-18 | | I | RAWEP | Chittoor |
| **Department of Soil Science and Agricultural Chemistry** | | | | |
| 2016-17 | Smt. G.P. Leelavathi | II | AELP, Coordinator | S.V. Agril. College, Tirupati |
| 2019-20 | | I | AELP, Coordinator | S.V. Agril. College, Tirupati |
| 2015-16 | Dr. A. Prasanthi | II | AELP, Coordinator | S.V. Agril. College, Tirupati |
| 2016-17 | | II | AELP, Coordinator | S.V. Agril. College, Tirupati |
| 2017-18 | | II | AELP, Coordinator | S.V. Agril. College, Tirupati |
| 2018-19 | | II | AELP, Coordinator | S.V. Agril. College, Tirupati |
| 2019-20 | | II | AELP, Coordinator | S.V. Agril. College, Tirupati |
| 2017-18 | Ms. K. Nancy Jasmine | II | AELP, Coordinator | S.V. Agril. College, Tirupati |
| 2017-18 | | II | AELP, Coordinator | S.V. Agril. College, Tirupati |
| 2018-19 | | II | AELP, Coordinator | S.V. Agril. College, Tirupati |
| **Department of Entomology** | | | | |
| 2017-18 | Dr. N.C Venkateswarlu | II | Managing Director | S.V. Agril. College, Tirupati |
| 2018-19 | | II | Managing Director | S.V. Agril. College, Tirupati |
| 2019-20 | | II | Managing Director | S.V. Agril. College, Tirupati |
| 2017-18 | Dr. K.V. Hari Prasad | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2018-19 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2019-20 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2018-19 | Dr. M.S.V. Chalam | I | Evaluator, RAWEP | DAATTC, Anantapuramu |
| 2016-17 | Dr. K. Manjula | I | Evaluator, RAWEP | S.V.Agril. College, Tirupati Agril. College, Nandyal |
| 2017-18 | | I | Coordinator, AELP | S.V. Agril. College, Tirupati |

| Year | Name of the faculty | Sem | Details of Activity | Place of Operation |
|---|---|---|---|---|
| **Department of Plant Pathology** | | | | |
| 2015-16 | Dr. P. Arunasri | I | Associate Dean's Representative | DAATTC, Nellore |
| 2015-16 | Dr. P. Arunasri | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2016-17 | Dr. M.K. Jyosthna | I | Associate Dean's Representative | Ananthapuram |
| 2017-18 | Dr. M.K. Jyosthna | I | Associate Dean's Representative | Ananthapuram |
| 2016-17 | Dr. M. Gurivi Reddy | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2018-19 | Dr. P. Nagamani | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2018-19 | Dr. R. Sarada Jayalakshmi | II | Managing Director and Coordinator | S.V. Agril. College, Tirupati |
| 2019-20 | Dr. R. Sarada Jayalakshmi | I | Managing Director and Coordinator | S.V. Agril. College, Tirupati |
| 2019-20 | Dr. P. Nagamani | I | Associate Dean' S Representative | DAATTC, Kalikiri |
| 2019-20 | Dr. M.K. Jyosthna | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| **Department of Horticulture** | | | | |
| 2015-16 | Dr. V. Srilatha | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2016-17 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2017-18 | | II | Coordinator,AELP | S.V. Agril. College, Tirupati |
| 2018-19 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2019-20 | | I | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2019-20 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2014-15 | Dr. P. Karthik Reddy | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2015-16 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2016-17 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2017-18 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2018-19 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2019-20 | | I | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2019-20 | | II | Coordinator, AELP | S.V. Agril. College, Tirupati |

| Year | Name of the faculty | Sem | Details of Activity | Place of Operation |
|---|---|---|---|---|
| **Department of Agricultural Economics** | | | | |
| 2015-16 | Dr. S. Rajeswari | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2015-16 | Dr. S. Rajeswari | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2015-16 | Dr. S. Rajeswari | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2015-16 | Dr. N. Vani | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2015-16 | Dr. N. Vani | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2016-17 | Dr. S. Rajeswari | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2016-17 | Dr. S. Rajeswari | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2016-17 | Dr. S. Rajeswari | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2016-17 | Dr. N. Vani | II | Coordinator, AELP | S.V. Agril. College, Tirupati |
| 2016-17 | Dr. N. Vani | II | Coordinator, AELP | Tirupati |
| 2017-18 | Dr. N. Vani | I | Coordinator, AELP | DAAT Centre, Kurnool |
| 2018-19 | Dr. S. Rajeswari | I | Coordinator, AELP | KVK, Banavasi |
| **Department of Agricultural Extension** | | | | |
| 2017-18 | Dr. T.Lakahmi | I | Associate Dean's representative | DAATT Centre, Nellore |
| 2019-20 | Dr. P. Ganesh Kumar | I | Associate Dean's representative | KVK, Kalikiri |
| 2019-20 | | II | Associate Dean's representative | KVK, Kalikiri |

### 6.5.2.3.15. Radio and TV Programmes attended by the faculty

| Year | Name of the faculty | Nature and title of the programme | Agency/ channel | Date of recording/ broadcasting/ telecast |
|---|---|---|---|---|
| **Department of Agronomy** | | | | |
| 2015 | Dr. D. Subramanyam | Vividha pantalalo samagra kalupu nivarana | AIR, Tirupati | 25.08.2015 |
| 2016 | Dr. D. Subramanyam | Vari mariyu cherakulo yeruvulu mariyu kalupu yajamanyam | AIR, Tirupati | 19.01.2016 |
| 2016 | Dr. Y. Reddi Ramu | Mokka Jonna Sagu | AIR, Tirupati | 06.09.2016 |
| 2018 | Dr. D. Subramanyam | Kharif pantallo kalupu yajamanyam | AIR, Tirupati | 28.06.2018 |
| 2018 | Dr. D. Subramanyam | Parthenium varostavala sandarbhumga mondijathi kalupu nivarana | AIR, Tirupati | 21.08.2018 |
| 2018 | Dr. Y. Reddi Ramu | Rabi season lo veyadagga pantalu | AIR, Tirupati | 30.10.2018 |
| 2020 | Dr. D. Subramanyam | Vesavilo lothu dhukkula avasyakatha | AIR, Tirupati | 24.04.2020 |
| **Department of Genetics and Plant Breeding** | | | | |
| 2015 | Dr. R.P. Vasanthi | Groundnut varieties suitable for *kharif* cultivation | ETV | 23.06.2015 |
| 2017 | | Rabiki anuvaina verusenaga rakalu | AIR, Tirupati | 03.10.2017 |
| 2016 | | Groundnut varieties suitable for *kharif* cultivation | ETV | June, 2016 |
| 2016 | | Groundnut varieties suitable for *kharif* cultivation | Doordarshan | June, 2016 |
| 2016 | | Problems in seed production and management | Doordarshan | June, 2016 |
| 2016 | | Groundnut varieties suitable for *Rabi* cultivation | AIR, Tirupati | 01.11.2016 |
| 2017 | | Rabiki anuvaina verusenaga rakalu | AIR, Tirupati | 03.10.2017 |
| 2018 | | Rabi erusenegalo adhika digubadiki suchanulu | AIR, Kadapa | 08.01.2018 |

| Year | Name of the faculty | Nature and title of the programme | Agency/ channel | Date of recording/ broadcasting/ telecast |
|---|---|---|---|---|
| 2018 | | Rabiki anuvaina verusenaga rakalu | AIR, Kadapa | 05.01.2018 |
| 2018 | | *Kharif* verusenagasaagu lo melakuvalu" | Doordarshan, Vijayawada | 03.09.2018 |
| 2018 | | Groundnut varieties suitable for *kharif* season | AIR, Tirupati | 03.07.2018 |
| 2018 | | Rabi groundnut cultivation | AIR, Tirupati | 06.11.2018 |
| 2019 | | Groundnut varieties and cultivation aspects | ETV | 26.06.2019 |
| 2019 | | *Rabi* groundnut varieties | AIR, Tirupati | 26.11.2019 |
| 2019 | | Phone-in -live programme | Doordarshan, Vijayawada | 22.09.2019 |
| **Department of Plant Pathology** | | | | |
| 2019 | Dr. M. Pradeep | Raithu Sevalo KVK | Jai Kisan, ETV | 18.06.2019 |
| 2020 | | Varilo samagra sasyarakshana | Jai kisan, ETV | 11.05.2020 |
| **Department of Agricultural Engineering** | | | | |
| 2015 | Dr. K. Madhusudhan Reddy | Importance of Mechanization in rainfed Agriculture | AIR-FM, Anantapuramu | 21.03.2015 |
| 2015 | | Agricultural Engineering implements useful in early kharif season | AIR-FM, Anantapuramu | 20.06.2015 |
| 2016 | | Importance of mechanization in all crop production | AIR-FM, Anantapuramu | 16.12.2016 |
| 2018 | | Vividha dukki parikaralu vati avaghana–Live in Programme | AIR, Tirupati | 22.05.2018 |
| 2018 | | Audhinika Dukki parikaralu | AIR, Kadapa | 11.06.2018 |

| Year | Name of the faculty | Nature and title of the programme | Agency/ channel | Date of recording/ broadcasting/ telecast |
|---|---|---|---|---|
| 2016 | Dr. Ch. Murali Krishna | Sprayarla Nirvahanalo Melukuvalu | AIR, Tirupati | 21.01.2016 |
| 2016 | | Vyavasaaya Yantrikarana-Custom Hiring Praadhanyata | AIR, Tirupati | 18.08.2016 |
| 2016 | | Melaina Vyavasaayaniki Dheetaina Yantra Prikaraalu | AIR, Tirupati | 20.12.2016 |
| 2017 | | Vesavilo Lothu Dukkulu Upayogapadu parikaraalu-Vaati Pradhanyatha | AIR, Tirupati | 26.04.2017 |
| 2017 | | AarutadiPantallo Drip Irrigation and Fertigation Dwara Eruvula Yajamanyam | AIR, Tirupati | 15.07.2017 |
| 2018 | | Vyavasayamlo Aadhunika Yantraparikaraala Pradhanyata & Zero Tillage paddatilopantalasaagu | AIR, Tirupati | 21.05.2018 |
| 2018 | | Drip irrigation lo GPS survey | AIR, Tirupati | 14.08.2018 |
| 2019 | | Agriculture Pumpset Yempikalo Melakuvalu | AIR, Tirupati | 28.06.2019 |
| 2020 | | Farm Ponds Dwara Neeti Yajamanyam | AIR, Tirupati | 28.01.2020 |
| **Department of Horticulture** | | | | |
| 2019 | Dr. V. Srilatha | Live radio programme on Kuragayal pantalasagu | AIR, Tirupati | 30.08.2019 |
| 2020 | | Mamidipoota, pindesamayamlo yajamanyam | AIR, Tirupati | 04.02.2020 |
| 2020 | | Horticultural Practices for quality yields in Papaya | AIR, Tirupati | 02.08.2020 |
| 2020 | Dr. P. Karthik Reddy | Special Horticultural Practices for quality yields in Chrysanthemum | AIR, Tirupati | 03.08.2020 |

### 6.5.2.16 Education tours organized by the faculty

| Year | Name of the faculty | Sem | Name of the college | Details of batch of students | Details of the tour (South India, North India etc.) |
|---|---|---|---|---|---|
| **Department of Agronomy** | | | | | |
| 2014-15 | Dr. V. Chandrika | I | S.V. Agricultural College, Tirupati | 2014 batch admitted students of M.Sc. (Ag.) batch | 26 – 27th September, 2014 to A.R.S. Anantapur and A.R.S, Kadiri for exposure visit as tour leader |
| 2015-16 | Dr. V. Chandrika | I | S.V. Agricultural College, Tirupati | 2015 batch admitted students of M.Sc. (Ag.) batch | 11 – 12th September, 2015 to A.R.S. Anantapur and A.R.S, Kadiri for exposure visit as tour leader |
| 2017-18 | Dr. V. Chandrika | II | S.V. Agricultural College, Tirupati | 2017 admitted Ph.D students | 6-8th March, 2018 exposure visit to RARS, Maruteru and RARS, Chintapalle as tour leader |
| 2017-18 | Dr. B. Sandhya Rani | I | S.V. Agricultural College, Tirupati | II B. Sc. (Hons.) Agriculture | Educational tour to ARS, Perumalla Palli, Mayura Sugar Factory, NIndra |
| 2017-18 | Dr. B. Sandhya Rani | II | S.V. Agricultural College, Tirupati | II B. Sc. (Hons.) Agriculture | Educational tour to KVK, Kalikiri, LRS Palamaner and Gala Foods, Puthalapattu. |
| 2018-19 | Dr. V.Chandrika | II | S.V. Agricultural College, Tirupati | 2018 admitted Ph.D students | 12-13th March, 2019 exposure visit to GKVK, Bangalore and farmers fields |
| 2018-19 | Dr. D. Subramanyam | II | S.V. Agricultural College | II B.Sc (Hons.) Agriculture | Southern Zone as tour leader |
| **Department of Genetics and Plant Breeding** | | | | | |
| 2019-20 | Dr. V.L.N. Reddy | II | S.V. Agricultural College | Third year (ABCD batches) | South India Tour |

| Year | Name of the faculty | Sem | Name of the college | Details of batch of students | Details of the tour (South India, North India etc.) |
|---|---|---|---|---|---|
| 2019 | Dr. V.L.N. Reddy | II | S.V. Agricultural College | M.Sc. (Ag.) and PhD Students | NCL and IISER, Pune |
| 2018 | Dr. V.L.N. Reddy | II | S.V. Agricultural College | I Year M.Sc. (Ag.) | UAS, Bangalore and NCBS, Bangalore |
| **Department of Soil Science and Agriculture and Chemistry** | | | | | |
| 2019-20 | Ms. K. Nancy Jasmine | First | S.V Agricultural College | III Year B.Sc. (Ag) Students | South India (10 days programme) |
| **Department of Entomology** | | | | | |
| 2015 | Dr. N.C. Venkateswarlu | I | NCIBM, IIHR, GVK Institutions and Pest Control of India | Entomology & Pathology M.Sc (Ag), Ph.D Students of 2015-16 Admitted Batch | Bangalore |
| 2018 | Dr. Rajesh and Dr. K. Devaki | I | S.V. Agricultural College, Tirupati | 2018 admitted PG and Ph.D students in Entomology and Pathology | National Institutes in Hyderabad |
| **Department of Plant Pathology** | | | | | |
| 2019-20 | P. Arunasri | I | S.V. Agricultural College, Tirupati | 2018 AB batches | Educational tour under COCA. Attended for educational tour on 29.11.2019 to KVK Kalikiri, Galla foods of Chittoor |
| 2018-19 | Dr. R. Sarada Jayalakshmi & Dr. M.K. Jyosthna | II | S.V. Agricultural College Tirupati | PG, Ph.D students of pathology and entomology | Institutions at Hyderabad |
| **Department of Crop Physiology** | | | | | |
| 2019-20 | Dr. A.R. Nirmal Kumar | I | S.V. Agricultural College Tirupati | III year B.Sc. (Ag.) 2017 batch | South India |

| Year | Name of the faculty | Sem | Name of the college | Details of batch of students | Details of the tour (South India, North India etc.) |
|---|---|---|---|---|---|
| **Department of Horticulture** | | | | | |
| 2016-17 | Dr. P. Karthik Reddy | II | S.V. Agricultural College Tirupati | III B.Sc. (Ag.) of 2014 batch | South India |
| 2017-18 | | I | S.V. Agricultural College Tirupati | II B.Sc. (Ag.) of 2016 batch | State |
| 2018-19 | | I | S.V. Agricultural College Tirupati | II B.Sc. (Ag.) of 2017 batch | State |
| 2019-20 | | I | S.V. Agricultural College Tirupati | II B.Sc. (Ag.) of 2018 batch | State |
| **Department of Agricultural Economics** | | | | | |
| 2017-18 | Dr. I. Bhavani Devi | I | S.V. Agricultural College Tirupati | I Year MBA (ABM) students | Institutes dealing with marketing and processing of agricultural products in around Banguluru from 22$^{th}$ to 24$^{th}$ November, 2017 |
| 2018-19 | Dr. S. Rajeswari | II | S.V. Agricultural College Tirupati | I Year M.Sc. (Ag.) students of Dept. of Agricultural Economics and Agricultural Extension, | Institutes dealing with marketing and extension of agricultural products in around Bengaluru and Mysore from 12$^{th}$ to 14$^{th}$ march, 2019 |
| 2019-20 | Dr. I. Bhavani Devi | I | S.V. Agricultural College Tirupati | I Year MBA (ABM) students | Institutes dealing with marketing and processing of agricultural products in around Mysore from 24$^{th}$ to 28$^{th}$ November, 2019 |

| Year | Name of the faculty | Sem | Name of the college | Details of batch of students | Details of the tour (South India, North India etc.) |
|---|---|---|---|---|---|
| **Institute of Agribusiness Management** | | | | | |
| 2017-18 | Mr. N.T. Krishna Kishore | II | IABM | 17 students of IABM | Mysore, for visiting CFTRI, DFRL, Coffee Curing units, Coffee plantations |
| 2018-19 | Smt. Y. Prabavathi | II | IABM | 14 students of IABM | Visited agro-industries in and around Bangalore namely Mother Dairy, Big Basket, Organic Mandya, Indo-American Hybrid Seed Company |

### 6.5.2.17 Faculty members worked as editors and executive council members of the journals

| Year | Name of the faculty | Name of the Journal | Editor/editorial committee member/referee | Number of articles refereed |
|---|---|---|---|---|
| **Department of Agronomy** | | | | |
| 2015 | V. Chandrika | Andhra Pradesh Journal of Agricultural Sciences | Referee | 3 |
| | Y. Reddi Ramu | Andhra Pradesh Journal of Agricultural Sciences Member of the Management Board for the year 2015-2017 | Treasurer for the Society of Agricultural Scientist | 1 |
| | V. Sumathi | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |
| | | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |

| Year | Name of the faculty | Name of the Journal | Editor/editorial committee member/referee | Number of articles refereed |
|---|---|---|---|---|
| 2016 | V. Chandrika | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| | Y. Reddi Ramu | Andhra Pradesh Journal of Agricultural Sciences | Referee 2017-3 (1 and 2) | 2 |
| | | Andhra Pradesh Journal of Agricultural Sciences Member of the Management Board for the year 2015-2017 | Treasurer for the Society of Agricultural Scientist | -- |
| 2017 | V. Sumathi | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |
| | | International Journal of Agricultural Sciences – Bioinfo publication | Referee | 1 |
| 2018 | V. Chandrika | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |
| | | Mysore Journal of Agricultural Sciences | Referee | 1 |
| | | Indian Journal of Weed Science | Councilor for Andhra Pradesh | 5 members joined as life members |
| | D. Subramanyam | Andhra Pradesh Journal of Agricultural Sciences | Associate Editor | All the volumes are updated |
| | | Indian Journal of Weed Science | Councilor for Andhra Pradesh | 10 members joined as life members |
| | | Andhra Pradesh Journal of Agricultural Science | Referee | 10 |
| | Y. Reddi Ramu | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |
| | B. Sandhya Rani | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |

| Year | Name of the faculty | Name of the Journal | Editor/editorial committee member/referee | Number of articles refereed |
|---|---|---|---|---|
| 2018-20 | V. Chandrika | Indian Society of Agronomy | Councilor for Andhra Pradesh | 10 members joined as life members |
| 2019 | D. Subramanyam | Andhra Pradesh Journal of Agricultural Sciences | Referee | More than 10 articles |
| | | Andhra Pradesh Journal of Agricultural Sciences | Associate Editor | -- |
| | G. Karuna Sagar | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2020 | D. Subramanyam | Journal of Environmental Biology | Referee | 2 |
| | | Tropical Plant Research | Referee | 1 |
| | | Vegetos | Referee | 1 |
| **Department of Genetics and Plant Breeding** | | | | |
| 2015 | Dr. V.L.N. Reddy | Plos One | Referee | 2 |
| | Dr. B. Rupesh Kumar Reddy | The Andhra Agricultural Journal | Referee | 4 |
| 2016 | Dr. M. Reddisekhar | College Magazine-Nithya Haritham | Editor | Magazine |
| 2017 | Dr. R.P. Vasanthi | Mysore Journal of Agriculture Sciences | Referee | 1 |
| 2018 | Dr. R.P. Vasanthi | Andhra Pradesh Journal of Agricultural Sciences | Referee | 4 |
| | M. Sreevalli Devi | Andhra Pradesh Journal of Agricultural Sciences | Referee | 3 |
| 2019 | Dr. R.P. Vasanthi | Andhra Pradesh Journal of Agricultural Sciences | Editorial committee member | 4 issues |
| | Dr. V.L.N. Reddy | Plant Cell Reports | Referee | 3 |
| | | Scientific Reports | Referee | 2 |
| | | Biotechnologia | Referee | 1 |
| 2020 | Dr. V.L.N. Reddy | Crop Breeding and Applied Biotechnology | Referee | 1 |
| 2020 | Dr. V.L.N. Reddy | Rice Science | Referee | 1 |

| Year | Name of the faculty | Name of the Journal | Editor/editorial committee member/referee | Number of articles refereed |
|---|---|---|---|---|
| 2020 | Dr. V.L.N. Reddy | Electronic Journal of Plant Breeding | Referee | 1 |
| 2020 | M. Sreevalli Devi | Electronic Journal of Plant Breeding | Referee | 1 |
| 2016-20 | Dr. R.P. Vasanthi | Andhra Pradesh Journal of Agricultural Sciences | Editorial Committee | 4 |
| 2016-20 | Dr. B. Rupesh Kumar Reddy | Andhra Pradesh Journal of Agricultural Sciences | Editorial committee Member | -- |
| 2017-18 to 2019-20 | Dr. D. Lokanadha Reddy | The Andhra Agricultural Journal | President | -- |
| **Department of Soil Science and Agricultural Chemistry** | | | | |
| 2015-16 | Dr. A. Prasanthi | Andhra Pradesh Journal of Agricultural Sciences | Editorial Committee Member | -- |
| 2016-17 | | Andhra Pradesh Journal of Agricultural Sciences | Editorial Committee Member | -- |
| 2019 | Dr. M.V.S. Naidu | Journal of Indian Society of Soil Science, IARI , New Delhi | Editorial Board Member and Editor for Section-4 | 10 |
| | | Andhra Agricultural Journal, Bapatla | Editorial Board Member | 20 |
| 2020 | Dr. M.V.S.Naidu | Journal of Indian Society of Soil Science, IARI , New Delhi | Editorial board member and Editor for section-4 | 5 |
| | | Andhra Pradesh Journal of Agricultural Sciences | Editorial Board Member | 2 |
| **Department of Entomology** | | | | |
| 2015 | Dr. M. Rajasri | Indian Journal of Plant Protection | Referee | 5 |
| | Dr. K.V. Hari Prasad | Andhra Pradesh Journal of Agricultural Sciences | Joint Secretary | 20 |
| 2016 | Dr. K.V. Hari Prasad | Andhra Pradesh Journal of Agricultural Sciences | Joint Secretary | 20 |

| Year | Name of the faculty | Name of the Journal | Editor/editorial committee member/referee | Number of articles refereed |
|---|---|---|---|---|
| 2017 | Dr. K.V. Hari Prasad | Andhra Pradesh Journal of Agricultural Sciences | Editor-in-chief | 48 |
| | Dr. K. Manjula | Andhra Pradesh Journal of Agricultural Sciences | Editorial Committee | 2 |
| | Dr. M.S.V. Chalam | Andhra Pradesh Journal of Agricultural Sciences | Referee | 4 |
| 2018 | Dr. K.V. Hari Prasad | Andhra Pradesh Journal of Agricultural Sciences | Editor-in-chief | 20 |
| | Dr. M.S.V. Chalam | The Journal of Research, ANGRAU | Referee | 1 |
| | Dr. M.S.V. Chalam | Andhra Pradesh Journal of Agricultural Sciences | Referee | 3 |
| | Dr. G.S. Panduranga | Andhra Pradesh Journal of Agricultural Sciences | Referee | 4 |
| 2019 | Dr. N.C. Venkateswarlu | Indian Journal of experimental Biology | Referee | 3 |
| | Dr. K. Manjula | Mysore journal of Agricultural Sciences | Referee | 1 |
| 2020 | Dr. K. Manjula | Agricultural Science Direct | Referee | 1 |
| 2015-17 | Dr. N.C. Venkateswarlu | Andhra Pradesh Journal of Agricultural Sciences | Member, Managing Board | -- |
| 2017-19 | Dr. N.C. Venkateswarlu | Andhra Pradesh Journal of Agricultural Sciences | Member, Editorial Board | 03 |
| **Department of Plant Pathology** | | | | |
| 2016-2019 | Dr. R. Sarada Jayalakshmi | Journal of research ANGRAU GUNTUR | Member, Editorial Board | 10 |
| 2017-18 | P. Arunasri | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2017-18 | Dr. M.K. Jyosthna | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |
| 2018-19 | Dr. M.K. Jyosthna | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |
| 2019-20 | Dr. M.K. Jyosthna | Karnataka Journal of Agriculture Sciences | Referee | 1 |

| Year | Name of the faculty | Name of the Journal | Editor/editorial committee member/referee | Number of articles refereed |
|---|---|---|---|---|
| **Department of Crop Physiology** | | | | |
| 2015 | Dr. V. Umamahesh | Andhra Pradesh journal of Agricultural sciences | Referee | 3 |
| 2017 | Dr. V. Umamahesh | Andhra Pradesh journal of Agricultural sciences | Referee | 2 |
| | Dr. A.R. Nirmal Kumar | Andhra Pradesh journal of Agricultural sciences | Referee | 1 |
| 2018 | Dr A.R. Nirmal Kumar | Andhra Pradesh journal of Agricultural sciences | Referee | 1 |
| | Dr A.R. Nirmal Kumar | Andhra Pradesh journal of Agricultural sciences | Referee | 2 |
| 2019 | Dr. V. Umamahesh | Mysore Journal of Agricultural Sciences | Referee | 2 |
| | Dr. V. Umamahesh | Andhra Pradesh journal of Agricultural sciences | Referee | 1 |
| **Department of Horticulture** | | | | |
| 2015 | Dr. P. Karthik Reddy | Andhra Pradesh Journal of Agricultural Sciences | Editorial Board member | -- |
| 2016 | Dr. V. Srilatha | Andhra Pradesh Journal of Agricultural Sciences | Editorial committee member | -- |
| | Dr. P. Karthik Reddy | Andhra Pradesh Journal of Agricultural Sciences | Editorial Board member | -- |
| | Dr. P. Karthik Reddy | Andhra Pradesh Journal of Agricultural Sciences | Referee | 01 |
| 2017 | Dr. V. Srilatha | Andhra Pradesh Journal of Agricultural Sciences | Editorial committee member | |
| | Dr. V. Srilatha | International journal of Agricultural Sciences | Associate Editor/referee | 01 |
| | Dr. P. Karthik Reddy | Andhra Pradesh Journal of Agricultural Sciences | Editorial Board member | -- |
| | Dr. P. Karthik Reddy | Andhra Pradesh Journal of Agricultural Sciences | Referee | 04 |

| Year | Name of the faculty | Name of the Journal | Editor/editorial committee member/referee | Number of articles refereed |
|---|---|---|---|---|
| 2018 | Dr. V. Srilatha | Andhra Pradesh Journal of Agricultural Sciences | Editorial committee member& Referee | 02 |
| | Dr. V.Srilatha | International Journal of Agricultural Sciences | Referee | 04 |
| | Dr. P. Karthik Reddy | Andhra Pradesh Journal of Agricultural Sciences | Joint secretary | -- |
| 2019 | Dr. V. Srilatha | Andhra Pradesh Journal of Agricultural Sciences | Editorial committee member & Referee | 03 |
| | Dr. P. Karthik Reddy | Andhra Pradesh Journal of Agricultural Sciences | Joint Secretary | -- |
| 2020 | Dr. P. Karthik Reddy | Andhra Pradesh Journal of Agricultural Sciences | Editorial Board Member | -- |
| | Dr. V. Srilatha | Andhra Pradesh Journal of Agricultural Sciences | Editorial Board Member | -- |
| **Department of Agricultural Economics** | | | | |
| 2015 | Dr. I. Bhavani Devi | Andhra Pradesh Journal of Agricultural Sciences | Advisory Board Member | 1 |
| | Dr. S. Rajeswari | Andhra Pradesh Journal of Agricultural Sciences | Editorial Board Member | 1 |
| 2016 | Dr. I. Bhavani Devi | Andhra Pradesh Journal of Agricultural Sciences | Advisory Board Member | 1 |
| | Dr. S. Rajeswari | Andhra Pradesh Journal of Agricultural Sciences | Editorial Board Member | 1 |
| 2017 | Dr.N. Vani | Andhra Pradesh Journal of Agricultural Sciences | Editorial Committee Member | 1 |
| 2018 | Dr. N. Vani | Andhra Pradesh Journal of Agricultural Sciences | Editorial Committee Member | 1 |
| | Mrs. S. Ujwala Rani | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |
| 2020 | Mrs. S.Ujwala Rani | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |

| Year | Name of the faculty | Name of the Journal | Editor/editorial committee member/referee | Number of articles refereed |
|---|---|---|---|---|
| **Institute of Agribusiness Management** | | | | |
| 2018 | Y Prabhavathi | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2018 | N T Krishna Kishore | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2019 | N T Krishna Kishore | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |
| **Department of Agricultural Extension** | | | | |
| 2015-16 | Dr. S.V. Prasad | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2015-16 | Dr. P.V. Sathya Gopal | Andhra Pradesh Journal of Agricultural Sciences | Referee | 3 |
| 2015-16 | Dr. V. Sailaja | Andhra Pradesh Journal of Agricultural Sciences | Referee | 3 |
| 2016-17 | Dr. S.V. Prasad | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2016-17 | Dr. P.V. Sathya Gopal | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2016-17 | Dr. V. Sailaja | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2017-18 | Dr. V. Sailaja | Andhra Pradesh Journal of Agricultural Sciences | Referee | 1 |
| 2017-18 | Dr. S.V. Prasad | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2017-18 | Dr. P.V. Sathya Gopal | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2018-19 | Dr. P.V. Sathya Gopal | The Andhra Agriculture Journal | Referee | 4 |
| 2018-19 | Dr. V. Sailaja | Mysore Journal of Agricultural Sciences | Referee | 3 |
| 2019-20 | Dr. P.V. Sathya Gopal | Journal of Research ANGRAU | Referee | 1 |
| 2020-21 | Dr. P. Ganesh Kumar | Andhra Pradesh Journal of Agricultural Sciences | Editorial Committee Member | -- |

### 6.5.2.4 Technical and Supporting Staff

The Technical and Supporting Staff working in different Departments are highly experienced and skill oriented persons to carryout the filed practicals, preparation of laboratory reagents and other works related to practicals.

| Technical and supporting staff | Name of the staff |
|---|---|
| **Department of Agronomy** | |
| Record Assistants | A. Sudhakar |
| | K. Rajagopal |
| | K. Muralikrishna |
| Office subordinates | M. Venkatramaiah |
| | N. Gangaiah |
| | G. Devaki |
| **Department of Genetics and Plant Breeding** | |
| Record Assistants | G. Ramesh |
| | G. Thyagaraja Naidu |
| | P. Venkata Lakshmi |
| Office subordinates | T. Muniratnam |
| **Department of Soil Science and Agricultural Chemistry** | |
| Record Assistants | V. Ghousia Parveen |
| | E. Babu |
| | P. Muni Krishnaiah |
| | C. Lakshmi |
| Office subordinates | D. Varalu |
| | B. Jyothi |
| **Department of Entomology** | |
| Record Assistants | M. Venkatesh |
| | P. Purushotham |
| | K. Anjaneya Prasad |
| | T. Anamdaiah |
| Office subordinates | B. Pushpamma |
| **Department of Plant Pathology** | |
| Record Assistants | C. Ravindra Babu |
| | P. Muni Ram |
| Office subordinates | Rajeswari |
| **Department of Crop Physiology** | |
| Record Assistants | K Damodhar Reddy |
| | P Maheswari |

| Technical and supporting staff | Name of the staff |
|---|---|
| Office subordinates | M Sudhakar |
| | A Chenchemma |
| **Department of Agricultural Engineering** | |
| Record Assistants | K. Venu Gopal |
| Office subordinates | B. Rajendra |
| **Department of Horticulture** | |
| Record Assistants | T. Munaswamy |
| | D. Munikrishnaiah |
| Office subordinates | M. Parvathi |
| **Department of Agricultural Economics** | |
| Record Assistants | Sri. M. Thulasi Ram Reddy |
| Office subordinates | Smt. C. Chandramma |
| **Institute of Agribusiness Management** | |
| Record Assistant | K. Ramesh |
| | D. Munuswamy |
| | P. Muni Ram |
| | M. Prasad |
| | M. Prasad |
| | K. Sree Vani |
| Office subordinate | L. Krishnayya |
| **Department of Agricultural Extension** | |
| Record Assistant | G. Nagaraju |
| Office subordinate | P. Muni Krishnaian |
| **Department of Statistics and Computer Applications** | |
| Record Assistants | G. Rajendra |
| Office subordinates | K. Nagarathna |
| **Regional Library** | |
| Senior Library Assistant | Sri K. Chinna Reddanna |
| Junior Library Assistant | Sri C. Chandra Sekhar |
| | Smt. A. Usha Rani |
| Shelf Assistant | VACANT (4) |
| Record Assistant | Sri. P. Mhaboob Basha |
| Junior Binder | Outsourcing |
| Xerox Operator | Outsourcing |
| Office Subordinate | P. Mallika |

### 6.5.3 Learning Resources

#### 6.5.3.1 College Library (Digital)

S. V. Agricultural College library was started in 1961. The mission of the regional library is to support the teaching and research programmes of the institute and to provide facilities for general reading and dissemination of information according to the requirement of the users. It is housed in a separate building with two floors and is easily accessible to all the departments on the campus. The library has steadily grown over the years and presently posses 24078 books and supporting the needs of the scientific staff.

**The list of E-Resources available in the Library**

1. **e-Journals – CeRA, ICAR Open access Journals and Indian Journals.com**
2. **EZProxy (for remote access of available e-resources)**
3. **Statistical databases - Indiastat, EPWRF India Times Series**
4. **Krishikosh (Institutional Repositories)**
5. **IDEAL (Network of Libraries for Agri-Union Catalogue)**
6. **DELNET (UGC database for developing Library Network)**
7. **E-Books (CRC e-books, CABI-books, Elsevier e-books)**

Information pertaining to the Regional Library S.V. Agricultural College, Tirupati is as detailed below

| S. No. | Particulars | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
|---|---|---|---|---|---|---|
| 1 | Staff Position | 10 | 6 | 5 | 6 | 6 |
| 2 | Wifi band width | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| 3 | Total No. of Books<br>National<br>International | 21479<br>20596<br>883 | 22131<br>21204<br>927 | 22752<br>21791<br>961 | 23714<br>22731<br>983 | 24078<br>23074<br>1004 |
| 4 | No. of Periodicals | 231 | 162 | 172 | 140 | 152 |
| 5 | No. of Research Journals | 16 | 17 | 22 | 18 | 23 |
| 6 | No. of Computers with Net Facility | 16 | 18 | 20 | 23 | 23 |
| 7 | Seating Capacity | 110 | 125 | 125 | 125 | 125 |
| 8 | Subscriptions to National Journals | 203 | 130 | 147 | 115 | 128 |
| 9 | Subscriptions to International Journals | 28 | 32 | 25 | 25 | 24 |
| 10 | Subscriptions to National Dailies | 8 | 8 | 8 | 8 | 8 |
| 11 | Subscription to Magazines | 28 | 29 | 24 | 24 | 24 |
| 12 | Source of funding from ICAR (Budget allotted) | -- | Rs. 4,00,000/- | Rs. 2,00,000/- | Rs. 1,00,000/- | Rs. 5,00,000/- |
| 13 | CERA Turn out | -- | -- | -- | -- | -- |
| 14 | Average Footfall in Library | 32051 | 29235 | 25087 | 32463 | 30937 |

### 6.5.3.2 Laboratories, Instructional farms, Workshops, Dairy plant, Veterinary Clinic, Hatchery, ponds etc.

**Class rooms**

The college is having six class rooms with a capacity of 100 students for taking UG theory classes.

**i) Laboratories**

The details of laboratories and related equipments used for practical classes for under graduate and post graduate students of different disciplines is as follows

**1. Department of Agronomy**

The department has one UG laboratory that can accommodate 60 students for UG practicals. The department also have instructional farm for conducting UG practicals classes.

**2. Department of Genetics and Plant Breeding**

The department has one laboratory which can accommodate around 50 students and is provided with audio visual aids for power point presentation and UG students class seminars.

**3. Department of Soil Science and Agricultural Chemistry**

The department has two UG laboratories that can accommodate around 70 students to carry out their practicals. The lab comprises of Distillation unit, Water bath and Muffle furnace.

**4. Department of Entomology**

The department has one UG laboratory which can accommodate around 50 students. The lab benches are fixed with light source and plug adopters so as to facilitate use of microscopes during dissections and observation of various parts and stages of insects. The lab is also provided with audio visual aids with UPS backup for uninterrupted power supply during power point presentation and UG student seminars.

**5. Department of Plant Pathology**

The department has one UG laboratory with a seating capacity of 50 students. The lab benches are fixed with light source and plug adopters so as to facilitate use of microscopes during dissections and observation of various parts and structures of plant pathogens. The lab is also provided with audio visual aids with inverter for uninterrupted power supply practical class, power point presentation and UG students seminars.

### 6. Department of Crop Physiology

The department has one UG laboratory which can accommodate around 50 students. The lab benches are fixed with light source and plug adopters so as to facilitate use of microscopes during section cuttings and observation of various parts of plants. The lab is also provided with audio visual aids with UPS backup for uninterrupted practical class, power point presentations and UG students seminars.

### 7. Department of Agricultural Extension

The department has one UG classroom with a seating capacity for 30 students and provided with audio visual aids for taking classes.

### 8. Department of Horticulture

The department has one UG laboratory with a seating capacity of 50 students provided with audio visual aids for conducting classes.

| **Equipment/Facility** | **Purpose/Usage** |
|---|---|
| Digital electronic balance | For weighing chemicals (up to 1 mg) used for UG practical classes and ELP |
| Mixer cum fruit juicer | For juice extraction for UG practical classes and ELP |
| Fruit Pulper | Used for fruit juice extraction for ELP unit and UG practical classes |
| Hand refractometer | To check the TSS content of fruits, vegetables and their products |
| Penetrometer | To check fruit firmness |
| Sealing machine | To seal the plastic covers |
| Refrigerator | To store the fruit and vegetable products |
| Freezer | To store the fruit and vegetable products |
| Slide projector | To show specimen for UG Practical classes |
| Net house | For conducting UG practical classes |

### 9. Department of Statistics and Computer Applications

The department has one UG laboratory that can accommodate around 25 students and has 25 Desktop systems for student practicals. The laboratory is facilitated with audio visual aids for taking classes effectively.

## 11. Department of Agricultural Engineering

The department has two UG workshops housed with various implements, machinery etc. for carrying out the practical classes for UG students.

### ii) Instructional Farm

S V Agricultural College, Tirupati has an instructional farm consisting of two blocks *viz.,* wetland and dryland block with an area of 25.70 ha. under cultivation which caters the needs of UG practicals and PG research besides raising bulk crops including breeder and foundation seed production.

### a. Land particulars

| Particulars | Dryland block (ha.) | Wetland block (ha.) | Area (ha.) |
|---|---|---|---|
| **Total Farm** | 18.02 | 10.62 | 28.64 |
| i. Dryland | 8.62 | 4.84 | 13.46 |
| ii. low land (Rice) | -- | 0.40 | 0.40 |
| iii. Irrigated dry | 7.00 | 4.00 | 11.00 |
| iv. Roads, buildings, canals etc. | 1.56 | 1.38 | 2.94 |
| v. Grazing lands or pastures/ plantation | 0.84 | -- | 0.84 |
| vi. Cultivable area | 16.46 | 9.24 | 25.70 |

### b. Receipts

| | Value in Rs. |
|---|---|
| **2015-16** | |
| 1. Sale of seed | |
| a. Foundation seed supplied to APSSDC and other agencies both public and private | 1,90,000/- |
| b. Breeder seed supplied to APSSDC and other agencies both public and private | 1,98,000/- |
| c. Foundation and Breeder seed sold to the farmers | 36,000/- |
| 2. Sale of non seed | 95,004/- |
| 3. Sale of usufructs | 23,900/- |
| 4. Miscellaneous receipts (Green grass and auctions) | 6,750/- |
| **2016-17** | |
| 1. Sale of seed | |
| a. Foundation seed supplied to APSSDC and other agencies both public and private | 1,58,400/- |

| | Value in Rs. |
|---|---|
| b. Breeder seed supplied to APSSDC and other agencies both public and private | 1,98,000/- |
| c. Foundation and Breeder seed sold to the farmers | 22,300/- |
| 2. Sale of non seed | 1,23,235/- |
| 3. Sale of usufructs | 23,900/- |
| 4. Miscellaneous receipts (Green grass and auctions) | 64,350/- |
| **2017-18** | |
| 1. Sale of seed | |
| a. Foundation seed supplied to APSSDC and other agencies both public and private | 9,450/- |
| b. Breeder seed supplied to APSSDC and other agencies both public and private | 5,18,400/- |
| c. Foundation and Breeder seed sold to the farmers | 10,800/- |
| 2. Sale of non seed | 2,83,858/- |
| 3. Sale of usufructs | -- |
| 4. Miscellaneous receipts (Green grass and auctions) | 60,835/- |
| **2018-19** | |
| 1. Sale of seed | |
| a. Foundation seed supplied to APSSDC and other agencies both public and private | -- |
| b. Breeder seed supplied to APSSDC and other agencies both public and private | 1,08,000/- |
| c. Foundation and Breeder seed sold to the farmers | -- |
| 2. Sale of non seed | 3,17,557/- |
| 3. Sale of usufructs | -- |
| 4. Miscellaneous receipts (Green grass and auctions) | 2,22,710 |
| **2019-20** | |
| 1. Sale of seed | |
| a. Foundation seed supplied to APSSDC and other agencies both public and private | 1,31,800/- |
| b. Breeder seed supplied to APSSDC and other agencies both public and private | 2,09,250/- |
| c. Foundation and Breeder seed sold to the farmers | 5,02,855/- |
| 2. Sale of non seed | 2,75,215/- |
| 3. Sale of usufructs | -- |
| 4. Miscellaneous receipts (Green grass and auctions) | 1,84,092/- |

### 6.5.3.3 Student READY/In-Plant Training/Internship/Experiential Learning Programmes

### (i) Details of Internship

| Year | Course | No. of students | Location | Duration |
|---|---|---|---|---|
| 2015-16 | B.Sc. (Ag.) | 132 | Nellore, Chittoor and Tirupati | 29.11.2015 to 28.12.2015 |
| | MBA (ABM) | 10 | Hyderabad, Vijayawada and Tirupati | 16.05.2015 to 15.06.2015 |
| 2016-17 | B.Sc. (Ag.) | 135 | Nellore, Anantapuramu, Chittoor and Kurnool | 04.12.2016 to 03.01.2017 |
| 2017-18 | B.Sc. (Ag.) | 132 | 1. Biological Control Lab and Fertilizer Testing Laboratory, Anantapuramu<br>2. Farmers Training Center, Chittoor and M/s Manjunatha Fruit Canning Industry, Chittoor<br>3. Biological Control Laboratory, Nellore<br>4. Soil Testing Laboratory, Kurnool | 24.11.2017 to 23.12.2017 |
| 2018-19 | I year MBA (ABM) | 14 | 1. Big Basket, Bangalore<br>2. LDC, Bangalore<br>3. Ridge Land foods, Hyderabad<br>4. ALC Livelihoods, Hyderabad<br>5. Ingrain Technologies, Hyderabad<br>6. Kamal Kisan, Bangalore<br>7. Namaste Kisan, ICRISAT, Hyderabad | 01.05. 2019 to 30.06.2019 |
| | II year MBA (ABM) | 16 | 1. Godfrey Philips India Ltd, Guntur<br>2. APMAS, Chitoor<br>3. Efresh, Hyderabad<br>4. iKisan, NFCL, Hyderabad<br>5. NCML, Guntur<br>6. Krishistar, Mumbai | 15.03.2019 to 15.06.2019 |
| 2019-20 | MBA (ABM) | 13 | 1. Reliance industries<br>2. Ingrain consultancy, Hyderabad<br>3. Astraa Agro Innovations Pvt Ltd,Chennai<br>4. Namaste Kisan, ICRISAT, Hyderabad<br>5. KisanYard, Pune | 01.05.2019 to 30.05.2019 |
| | B.Sc. (Ag.) | 63 | In and around Tirupati Chandragiri, Puttur and Ramachandrapuram mandals Telangana and Tamilnadu | 26.12.2019 to 28.01.2020 |
| | | 76 | Kalikiri, Kadapa, Ananthapuramu and Nellore | 16.06.2020 to 30.06.2020 |

**(ii) Rural Agricultural Work Experience Program (RAWEP)**

| Year | No. of students attended | No. of villages | No. of host farmers | Stipend / month (Rs.) | Total amount (Rs.) |
|---|---|---|---|---|---|
| 2015-16 | 132 | 10 | 132 | 3,000/- | 20,01,500/- |
| 2016-17 | 136 | 16 | 136 | 3,000/- | 20,40,000/- |
| 2017-18 | 132 | 19 | 31 | 3,000/- | 19,80,000/- |
| 2018-19 | 126 | 16 | 126 | 3,000/- | 19,35,000/- |
| 2019-20 | 146 | 10 | 10 | 3,000/- | 21,90,000/- |

**(iii) Agricultural Experiential Learning Program (AELP) Units**

| Year | Course | No. of units | No. of students | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| 2015-16 | Final B.Sc.(Ag.) | 7 | 126 | 01.12. 2015 | 30.05.2016 |
| 2016-17 | Final B.Sc.(Ag.) | 7 | 139 | 09.01.2017 | 31.05.2017 |
| 2017-18 | Final B.Sc.(Ag.) | 6 | 126 | 02.01.2018 | 04.06.2018 |
| 2018-19 | Final B.Sc.(Ag.) | 12 | 130 | 27.12.2018 | 29.05.2019 |
| 2019-20 | Final B.Sc.(Ag.) | 12 | 130 | 01.02.2020 | 30.07.2020 |

**ICAR Funded ELP Project**

## A brief note on the status of ICAR sponsored Experiential Learning unit "Production and Marketing of Mushrooms"

An amount of Rs.33,90,000/- was sanctioned by ICAR for the establishment of Experiential Learning unit on **Production and marketing of mushrooms** during the year 2018-19 vide Proc.No.1307/Agril.Sc/2019 dt. 07.03.2019 of The Dean of Agriculture, ANGRAU, Guntur. The details of expenditure is given below

| S. No. | Particulars | Amount sanctioned (Rs.) | Expenditure (Rs.) | Balance (Rs.) |
|---|---|---|---|---|
| **I.** | **Recurring (Revenue)** | | | |
| i. | Faculty training | 2,00,000/- | -- | 2,00,000/- |
| ii. | Guest lectures | 2,00,000/- | -- | 2,00,000/- |
| iii. | Operational expenses (Man power etc. including revolving fund) | 8,00,000/- | 3,38,049/- | 4,61,951/- |
| iv. | Others-pamphlets and training programmes to interested persons | 4,00,000/- | 2,77,410/- | 1,22,590/- |
| | **Total Recurring** | **16,00,000/-** | **6,15,459/-** | **9,84,541/-** |
| **II.** | **Non Recurring (Capital)** | | | |
| i. | Equipment | 15,90,000/- | 15,88,839/- | 1161/- |
| ii. | Works (repairs, renovation *etc.)* | 1,00,000/- | -- | 1,00,000/- |
| iii. | Others (raw material *etc.*) | 1,00,000/- | 99,940/- | 60/- |
| | **Total Non Recurring** | **17,90,000/-** | **16,88,779/-** | **1,01,221/-** |
| | **Grand Total (A+B)** | **33,90,000/-** | **23,04,238/-** | **10,85,762/-** |

The following equipments were purchased for the unit during 2018-19

| S. No. | Equipment | Value (Rs.) |
|---|---|---|
| 1 | Cooling incubator | 2,03,000/- |
| 2 | Stabilizer | 12,000/- |
| 3 | Hot air oven | 45,200/- |
| 4 | Autoclave | 1,24,000/- |
| 5 | Humidifier | 40,950/- |
| 6 | Deep freezer vertical cap + stabilizer | 2,05,000/- |
| 7 | Stabilizer | 12,000/- |
| 8 | BOD incubator | 58,800/- |
| 9 | Laminar air flow chamber | 40,950/- |
| 10 | Monocular microscopes @ 5 No. | 73,238/- |
| 11 | Monocular microscopes @ 5 No. | 73,238/- |
| 12 | Freezer | 34,500/- |
| 13 | Chaff cutter | 35,000/- |
| 14 | Steel racks @10 No. | 34,500/- |
| 15 | Smart classroom (interactive white board, CPU, control panel key board, UPS including demo and transport) | 88,659/- |
| 16 | Smart classroom (Projector, Cables, Mounting kit, cabinet, speakers including transport) | 59,168/- |
| 17 | Hand sprayer and foot sprayer | 7392/- |
| 18 | Godrej store well | 21,024/- |
| 19 | Laminar air flow chamber | 71,400/- |
| 20 | Electronic balance | 38,850/- |
| 21 | pH meter | 11,130/- |
| 22 | Air conditioners @ 2 No. | 1,00,000/- |
| 23 | LG refrigerator | 54,000/- |
| 24 | Water purifier | 34,200/- |
| 25 | Micro air oven @ 2 No. | 26,400/- |
| 26 | Iron pipes @ 30 No. | 84,240/- |
| | **Total** | **15,88,839/-** |

The unit came into operation from I Semester, 2019-20 with 13 students. Initially, students faced lot of contamination problem because of *Trichoderma.* The two rooms were sterilized, white washed with antifungal paints and the procedure for large scale mushroom production was standardized. The spawn was purchased from IIHR, Bengaluru and the following varieties of mushrooms were produced.

| S. No. | Mushroom type | Ist Semester, 2019-20 | | IIst Semester, 2019-20 | |
|---|---|---|---|---|---|
| | | Quantity (kg) | Amount (Rs.) | Quantity (kg) | Amount (Rs.) |
| 1 | Elm oyster | 2.15 | 1,565/- | 4.00 | 1,600/- |
| 2 | Pink oyster | 2.90 | 2,025/- | -- | -- |
| 3 | Milky mushroom | 17.53 | 6,490/- | 2.00 | 800/- |
| 4 | Grey oyster | 23.35 | 11,930/- | -- | -- |
| 5 | Florida oyster | 74.68 | 37,760/- | 9.25 | 3,700/- |
| 6 | Spawn | -- | -- | 25.0 | 3,000/- |
| 7 | Value addition | | 7,170/- | -- | 9,500/- |
| | **Total** | **120.61** | **66, 940/-** | **--** | **18,600/-** |

The gross income obtained during I semester, 2019-20 was **Rs. 66,940/-** and **net profit was Rs.47,635/-.** Out of this, 75 % of share *i.e.* Rs. 35,726/- was distributed to students and Rs. 7,145/- share for the ELP manager. The department share was Rs. 4763/- with which a pressure cooker was purchased for the purpose of value addition**.**

During II Semester, 2019-20 twelve students registered for ELP unit and obtained a gross income of Rs. 18,600/- with net profit of Rs. 4,467/-. The quantity of mushrooms and spawn produced during 45 days duration, before lock down due to covid-19 was 15.25 kg and 25 kg, respectively.

#### 6.5.3.4 Curricula Delivery through IT (Smart class rooms/interactive board *etc.*)

S.V. Agriculture College, Tirupati is equipped with three Smart class rooms along with interactive Boards in the Virtual Class room (IDB), Department of Entomology and Department of Plant Pathology. Details are furnished here under

| Year | Seating Capacity | Supplied by | Funding Source | Amount (Rs.) |
|---|---|---|---|---|
| **1. College virtual class room** | | | | |
| 2018 | 100 | Revan Technologies, Guntur | NAHEP | 19,98,336/- |
| **2. Department of Entomology virtual class room** | | | | |
| 2018 | 40 | Crown Technologies, Guntur | ANGRAU | 1,59,580/- |
| **3. Department of Plant Pathology virtual class room** | | | | |
| 2019 | 35 | M/s First e-School Solutions | ANGRAU | 88,659/- |
| | 35 | Crown Technologies, Guntur | ANGRAU | 59,168/- |

### 6.5.4 Student Development

#### 6.5.4.1 Student Intake and Attrition

**i) Under Graduate Programme – B.Sc. (Hons.) Agriculture**

**a) Total number of students admitted during last five years**

| S. No. | Academic year | Total number of students admitted | Boys | Girls |
|---|---|---|---|---|
| 1 | 2014 | 140 | 58 | 82 |
| 2 | 2015 | 134 | 60 | 74 |
| 3 | 2016 | 176 | 79 | 97 |
| 4 | 2017 | 175 | 86 | 89 |
| 5 | 2018 | 177 | 87 | 90 |
| 6 | 2019 | 195 | 71 | 124 |

**b) Total number of students passed out during last five years**

| S. No. | Academic year (Passed out) | Total number of students passed out | Boys | Girls | Attrition % |
|---|---|---|---|---|---|
| 1 | 2015 | 117 | 52 | 65 | 2.23 |
| 2 | 2016 | 127 | 51 | 76 | 4.54 |
| 3 | 2017 | 131 | 53 | 78 | 4.00 |
| 4 | 2018 | 123 | 49 | 74 | 2.26 |
| 5 | 2019 | 124 | 55 | 69 | 1.02 |

**ii) Post Graduate Programme – M.Sc. (Ag.)**

**a) Total number of students admitted during last five years**

| S. No. | Academic year | Total number of students admitted | Boys | Girls |
|---|---|---|---|---|
| 1 | 2014 | 27 | 11 | 16 |
| 2 | 2015 | 50 | 16 | 34 |
| 3 | 2016 | 42 | 12 | 30 |
| 4 | 2017 | 53 | 23 | 30 |
| 5 | 2018 | 57 | 17 | 40 |
| 6 | 2019 | 43 | 9 | 34 |

**b) Total number of students passed out during last five years**

| S. No. | Academic year (Passed out) | Total number of students passed out | Boys | Girls | Attrition % |
|---|---|---|---|---|---|
| 1 | 2015 | 30 | 12 | 17 | 13.33 |
| 2 | 2016 | 29 | 11 | 18 | 10.4 |
| 3 | 2017 | 52 | 18 | 34 | 13.46 |
| 4 | 2018 | 43 | 13 | 30 | 0 |
| 5 | 2019 | 53 | 22 | 31 | 32.07 |

**iii) Post Graduate Programme – MBA (Agri Business Management)**

**a) Total number of students admitted during last five years**

| S. No. | Academic year | Total number of students admitted | Boys | Girls |
|---|---|---|---|---|
| 1 | 2014 | 10 | 6 | 4 |
| 2 | 2015 | 3 | 1 | 2 |
| 3 | 2016 | 12 | 8 | 4 |
| 4 | 2017 | 17 | 11 | 6 |
| 5 | 2018 | 15 | 10 | 5 |
| 6 | 2019 | 13 | 6 | 7 |

**b) Total number of students passed out during last five years**

| S. No. | Academic year (Passed out) | Total number of students passed out | Boys | Girls | Attrition % |
|---|---|---|---|---|---|
| 1 | 2015 | 0 | 0 | 0 | 0 |
| 2 | 2016 | 8 | 6 | 2 | 0 |
| 3 | 2017 | 10 | 6 | 4 | 0 |
| 4 | 2018 | 3 | 1 | 2 | 0 |
| 5 | 2019 | 12 | 8 | 4 | 0 |

**iv) Post Graduate Programme – Ph.D**

**a) Total number of students admitted during last five years**

| S. No. | Academic year | Total number of students admitted | Boys | Girls |
|---|---|---|---|---|
| 1 | 2014 | 15 | 09 | 06 |
| 2 | 2015 | 28 | 12 | 16 |
| 3 | 2016 | 22 | 11 | 11 |
| 4 | 2017 | 24 | 09 | 15 |
| 5 | 2018 | 21 | 8 | 13 |
| 6 | 2019 | 19 | 9 | 10 |

**b) Total number of students passed out during last five years**

| S. No. | Academic year (Passed out) | Total number of students passed out | Boys | Girls | Attrition % |
|---|---|---|---|---|---|
| 1 | 2014 | 4 | 1 | 3 | 0 |
| 2 | 2015 | 8 | 4 | 4 | 0 |
| 3 | 2016 | 6 | 2 | 4 | 0 |
| 4 | 2017 | 12 | 9 | 3 | 8.33 |
| 5 | 2018 | 14 | 6 | 5 | 7.14 |
| 6 | 2019 | 14 | 5 | 9 | 14.28 |

### 6.5.4.2 Number of students in Theory and Practical classes

**i) Under graduate programme – B.Sc. (Hons.) Agriculture**

The College offers Under Graduate degree course in the faculty of Agriculture, *i.e.* B.Sc. (Hons.) Agriculture and the medium of instruction is English.

Total number of UG students admitted during every academic year are divided in to two batches *i.e.* AB and CD for taking theory classes, while the same number of students are made in to four batches *i.e. A, B, C*, and D for conducting practical classes more efficiently and effectively and the number of students batch wise and year wise are furnished below.

| S. No. | Academic year | Total number of students admitted | No. of batches / theory class | Number of students in each batch | Number of batches in practical class | Number of students / batch | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | A | B | C | D |
| 1 | 2014 | 140 | 2 (AB, CD) | AB-70<br>CD-70 | 4 (ABCD) | 35 | 35 | 35 | 35 |
| 2 | 2015 | 134 | 2 (AB, CD) | AB-70<br>CD-64 | 4 (ABCD) | 35 | 35 | 35 | 29 |
| 3 | 2016 | 176 | 2 (AB, CD) | AB-85<br>CD-91 | 4 (ABCD) | 40 | 45 | 45 | 46 |
| 4 | 2017 | 175 | 2 (AB, CD) | AB-85<br>CD-90 | 4 (ABCD) | 40 | 45 | 45 | 45 |
| 5 | 2018 | 177 | 2 (AB, CD) | AB-85<br>CD-92 | 4 (ABCD) | 40 | 45 | 45 | 47 |
| 6 | 2019 | 195 | 2 (AB, CD) | AB-90<br>CD-105 | 4 (ABCD) | 45 | 45 | 50 | 55 |

**ii) Post graduate programme – M.Sc. (Ag.), MBA (ABM) and Ph.D**

Each department has its own well equipped PG class rooms and as the number of students joining the PG programme discipline wise are less, the theory and practical classes are taken for one batch conveniently.

### 6.5.4.3 Admission Process

**Admission Process for Under Graduate Programme**

**i) Duration of the Programme**

The minimum duration for the UG programme is four years while the maximum period for completion is seven years from the date of admission.

**ii) Eligibility**

A pass in two year intermediate examination conducted by Board of Intermediate Education, Andhra Pradesh with Physical and Biological Sciences as subjects.

**iii) Criteria for admission**

The students are admitted in to UG programme (B.Sc. (Hons.) Ag. on the basis of ranks obtained/secured by the candidates in state level AP EAMCET examination being conducted every year by AP State Council of Higher Education, Government of Andhra Pradesh. The candidates who submit online application with all the required valid enclosures and payment details will be put in the merit list and the seat allotment will be done based on merit / rank by counseling individually. The schedule and mode of counseling will be notified in news paper / website. The seats are filled as per the rule of reservation and presidential order.

**iv) Age**

The candidates for admission into B.Sc. (Hons.) Ag. course in the College shall be required to have completed 17 years of age as on 31st December of the year of admission with an upper age limit of 22 years for all the candidates, 25 years in case of SC and ST candidates and 27 years for Physically Challenged candidates.

**v) Reservation of Seats**

**a) Allocation of seats in favour of local candidates in relation to Local Area**

Out of total intake, 15 % of seats will be Unreserved (UR) for candidates from AU / SVU region and the candidates from Osmania University (OU) region (Telangana State), also are eligible to compete for these seats with AP EAMCET ranks.

The remaining 85 % of the seats are allocated in 42 : 22 ratio in Andhra University and Sri Venkateswara University, respectively among the candidates in relation to local area.

**b) Backward Classes (BC)**

29% of seats are reserved under BC category *i.e.* BC: 7 %; BC-B: 10 %; BC-C: 1 %; BC-D: 7 % and BC-E: 4 %.

**c) Scheduled Caste (SC) :** 15 %

**d) Scheduled Tribe (ST) :** 06 %

**e) Other Reservations:**

a. Defence Personnel (CAP) : 2 %

b. National Cadet Corps. (NCC) : 1 %

c. Games & Sports : 0.5 %

d. Differentially Abled (PH) : 3 %

1% for Visually Handicapped

1% for Hearing Impaired

1% for Orthopedically Handicapped

**f) Reservation of seats for Women**

In UG and PG courses, 33.33 % of the seats are be reserved in favour of women candidates from each category (G.O.Ms. No. 75 / Edn., dated 13-3-1996 of Govt. of A.P.)

**g) Reservation of seats for Agriculture Polytechnic diploma**

20 % supernumerary seats on total intake are reserved for candidates with Diploma in Agriculture / Seed Technology / Organic Farming through entrance examination AGRICET conducted by ANGRAU every year.

**h) Reservation of seats for In-service Candidates**

A total 6 % of seats are allotted to in-service candidates, out of which 5 % are allotted to in-service AEOs from Agriculture Department and 1 % for AEOs working in the University.

**i) Reservation of seats for the candidates coming from families of Agriculturists cum Rural area (Farmers Quota)**

Forty per cent of the seats in B.Sc. (Hons.) Agriculture course are reserved for candidates coming from families of Agriculturists (farmers) owning not less than 1 acre of land and who have studied for a minimum of 4 years in schools located in Non-Municipal areas. Candidates seeking admission under this category shall produce (i) Form – I, a proforma containing patta numbers and extent of land owned by the candidates father / mother duly certified by Mandal Revenue Officer or a attested xerox copy of Pattadar Pass Book and (ii) Form – II, a proforma from the Heads of Institutions that the candidate has studied for a minimum period of four years in Schools located in Non-Municipal areas during their period of study from 1$^{st}$ class to 12$^{th}$ class (Intermediate). Form - I and Form - II need to be filled in with the signatures of concerned officials *viz.*, Mandal Revenue Officer / Tahsildar and concerned Head of Institution, respectively along with office seal.

**vi) Admission to Foreign students**

The University (ANGRAU) encourages foreign students to seek admission into various undergraduate and postgraduate degree Programmes. Their application for admission should be routed through the Asst. Director General (HRD-II), Indian Council of Agricultural Research (ICAR), Krishi Anusandhan Bhavan, New Delhi-110012.

The application should include complete details of academic record indicating courses studied, grades obtained, medium of instruction and research work conducted for the submission of a thesis/dissertation (in case of candidates seeking admission to postgraduate degree programmes only). The applications thus received are scrutinized and evaluated by the concerned department (faculty head) to determine the eligibility of the candidate for admission. Students applying for admission to Ph.D. degree programme, should obtain a valid Research Visa from the Ministry of Human Resource Development, Government of India.

The fee payable by foreign Students admitted to any UG or PG degree programme includes institutional fee of US $ 4000 / US$2000 for SAARC Countries annually and normal fees payable by the Indian Students.

**vii) Fees and Registration**

The fee structure of B.Sc. (Hons.) Ag. consists of both University Fund and Non University Fund which is to be paid at the time of registration of each semester. The fee has to be deposited in the college bank account by the student by filling up a challan and after the completion of fee payment, the student is allowed to register the courses. The registration of the courses by the student is monitored by the student Advisor who facilitates for the registration. The student has to submit the no dues certificate from hostel and other departments and then will be allowed to register the next semester courses. For registering the III year courses a student has to complete all the I year courses and should not have more than six courses, failed / dropped of second year courses. For registering the IV year courses, a student must have completed all the second year courses and should not have more than three courses failed / dropped of third year courses. The academic schedule for the academic year (I and II semesters) will be communicated by the University at the starting of each academic year and will be implemented at college level without any deviation.

**Admission Process in to Post Graduate Programme**

Candidates seeking admission into Master's Degree and Doctoral degree courses must have passed the relevant 4 years Bachelor's Degree examination from A.N.G.R. Agricultural University or from any State Agricultural University (SAU) or Central Agricultural University (CAU) or from any recognized University. Candidates passed out from private agricultural universities / colleges not accredited by ICAR

will not be considered for admission. For admission into Masters courses, in the qualifying examination, the candidates must have secured minimum OGPA of 6.60 / 10.00 (SC/ ST- 5.60/10.00) or 2.60 / 4.00 (SC / ST-2.20 4.00) or 60% marks in traditional system (SC / ST- 50%)**.** For admission into Doctoral courses, the candidate must have passed Master of Science or an equivalent examination in Agriculture in the concerned field of specialisation at least with 60% marks in the aggregate under traditional system of examination or an OGPA of 2.60 or above in 4.00 point scale or OGPA of 6.50 or above in 10.00 point scale in grade point system. In the case of SC and ST candidates, a pass in the Degree of Master of Science in Agriculture under traditional system or OGPA of 2.20 out of 4.00 or 5.50 out of 10.00 under Grade Point system is sufficient.

From the academic year 2019-20 onwards, the admissions into masters and Ph. D. courses are based the marks / rank obtained in ICAR's All Indian Entrance Examination (AIEEA) / ICAR's All India Competitive Examination (AICE). The student applied for a subject group has to produce rank card in that subject group only. The weightage of the academic performance and AIEEA/AICE (ICAR) rank card/ marks for admission is as follows

**For M. Sc. (Ag.) Admission**

The selection will be based on the previous academic record at Under Graduate level and performance in AIEEA (ICAR) test and the weightage would be in the ratio of 30:70.

**For M.B.A (Agribusiness Management) Admission**

In case of MBA (ABM) programme the weightage will be 30:70 for academic and performance in AIEEA test, group discussion and interview respectively. The AIEEA test performance, group discussion and interview wil be taken for 80:10:10 weightage and will be reduced to 70 per cent.

**For Doctoral Programme Admission**

The selection will be based on the previous academic record at Under Graduate level, Post Graduate level, AICE (ICAR) test and interview and would be in the ratio of 10:30:50:10.

**Qualifying Marks**

As per AIEEA / AICE (ICAR) rules, the candidate qualified and secured rank card in AIEEA / AICE (ICAR) are eligible for admission into Masters Degree and Doctoral Degree, respectively.

In case of a tie, the candidates who secure more marks at previous qualification will be preferred. In case of a further tie, the marks obtained at B.Sc. level will be considered. For further tie breaking, date of birth will be considered and older candidates will be preferred Earlier. The procedure in vogue was

**For M. Sc. (Ag.) Admission**

The selection shall be based on the previous academic record at Under Graduate level and performance in entrance test and the weightage would be in the ratio of 30:70. The entrance test shall be comprehensive one, covering all relevant subjects prescribed for the concerned Bachelor degree requirements of this University.

**For M.B.A (Agribusiness Management) Admission**

The selection shall be based on the performance in an written test, group discussion and interview. The written test is designed to evaluate Quantitative Aptitude, Numerical Ability and Test of Reasoning, General English / Language Skills, General Knowledge and Current Affairs

**For Doctoral Programme Admission**

Selection of candidates for admission to Ph.D. courses will be made by a Selection Committee constituted by the Vice-Chancellor. The candidates should appear for entrance test and interview. The weightage for academic record, entrance test and interview will be 30:50:20.

### 6.5.4.4 Conduct of Practicals and Hands on Training

During the B.Sc. (Hons.) Agriculture programme, the students will be imparted practical knowledge and hands on training in different courses offered in the Department of Agronomy. In Crop Production course, the students will be allotted crops and each one has to raise a crop by involving him/herself in carrying out the various operations which includes land preparation, layout of plots, levelling, forming irrigation channels, bund formation, sowing, thinning, gap filling, fertilizer application, weeding, recording biometric observations, irrigation, harvesting, drying, threshing, winnowing and cleaning of produce. Student Ready Programme (Rural Entrepreneurship Awareness Development Yojana) is taken up by the students in the final year which mainly aims to provide hands on experience in real life situation in rural agriculture and creates awareness to UG students about practical agriculture and allied sciences. The programme will help in building confidence, skill and acquire Indigenous Technical Knowledge (ITK) of the locality and thereby, preparing the pass out for self employment. In PG programme, the students will be equipped with latest technology related to various agronomic aspects like current trends in agriculture, modern concepts in crop production, advances in weed management, irrigation water management, farming systems, soil fertility and nutrient management, integrated farming systems, etc.

In Department of Genetics and Plant Breeding, during the course, the students were practically involved in getting acquitance with problems on Genetics and their interpretation, cytological studies by microscopy, real time practice of hybridization

techniques in various crops and study of floral structure and anthesis of crops in the field plots. Students were taken on study tours to nearby Research stations where they will be interacting with Scientists on latest developments. Hands on training is given on seed sampling, seed tests and seed purity tests, cytological studies in various crops, Cell biology and Molecular biology techniques, Bioinformatic techniques step wise procedure of data analyses with experimental data. Exposure visits were also arranged for the students to get well versed with hybrid seed production and seed processing units.

The Department of Statistics and Computer Applications has well equipped lab with computers to conduct the practical classes for UG and PG programme. PG students will be doing Statistical Analysis using MS Excel and SPSSS 22 version.

In Department of Plant Physiology, the courses *viz.,* introductory biology and Ecophysiology will help the students to understand the various physiological processes of the plants. Further, the pot culture experiments on latest technology are taken up in greenhouse lab. The laboratory is well furnished with almost all the latest equipment that are put to use by both the UG and PG students in practicals and for their research work.

In the Department of Entomology in the under graduate programme hands on experience is given on identification of various groups of insects such as pests, predators, parasitoids, beneficial insects etc. Expert training is also provided to students to identify various Orders and Families of Insects based on morphological and taxonomic characters. Each student is given an opportunity to acquaint themselves with insects by means of practices such as insect collection and submission, collection and rearing of crop pest life cycles, dissection of various systems such as mouth parts, digestive system, reproductive system, nervous system etc. During final year in the Commercial Entomology module of student ready programme, students were given hands on experience on rearing and maintenance of insects such as silk worms, honey bees and parasitoids apart from marinating vermi compost unit. During the post graduate programme hands on training is given on physiology of insects, taxonomic identification of insets, interaction of insects with the surrounding environment, commercially exploited insects etc.

The Department of Plant Pathology maintains a good collection of wet preserved diseased specimens as and when disease appears in the field for exhibiting the same to the students. In the courses, fundamentals of plant pathology-I & II, the students were exposed to view morphological features of sporangia, sporangiophore, conidia and conidiophores of various pathogens covering major fungi, morphology of bacterial cells through staining. Media for isolation of fungi and bacteria is prepared by students, which in turn is used to isolate fungal and bacterial plant pathogens. In the courses, diseases of field and horticultural crops and their management-I & II, the students are taken to field visits in order to show live

symptoms in the field and make them identify the diseases. In Post Graduate Programme, identification and measurement of various pathogen structures using advanced trinocular microscopes, isolation and inducing sporulation in fungi is taught in mycology and advanced mycology courses, virus transmission studies by sap, different insects, studies on physical properties of viruses are conducted, detection of viral and bacterial pathogens by ELISA, PCR, gel electrophoresis, different biochemical tests are performed by students in virology, advanced virology, bacteriology and advanced bacteriology courses.

In the Department of Horticulture during the under graduate course students are taught about basic methods of raising various nurseries such as grafting, cutting, layering etc, methods propagation, training and pruning, fertilizer application, in various horticultural crops such as fruit crops, flower plants, vegetables etc. In student ready progarmme hands on training is given on preparation of juices, jams, jellies, marmalades, etc.

In the Department of Soil Science and Agricultural Chemistry during UG and PG courses in each practical class, students are taught about theory of practical exercise such as aim, principle, apparatus required, reagents preparation, procedure, observations and calculations. Later students are taken to the laboratory where individually given hands on experience to do the practical exercise themselves. In case of GIS lab practicals, students are allowed to register and geo-reference the topo sheet in ARC-GIS and also some of the students are allowed to record by themselves the longitude, latitude and altitude data using GPS (Global Positioning System).

In Department of Agricultural Engineering, under graduate course students are taught about different techniques in soil and water conservation, water harvesting techniques, different types of micro irrigation methods, different types of farm machinery etc. Hands on experience is given on operation of farm machinery, use of non conventional forms of energy, controlling of green house atmosphere for profitable crop production, etc.

In the department of Agricultural Economics, during the practical classes, UG students are taken to field visits *viz.,* warehousing corporations, cooperative institutions, regional rural banks, farm visits, nearby industries, etc. They are also taken to nearby villages to collect information on crops grown, livestock information, assets, loans taken from institutional and non institutional sources, material purchase information, etc., and the collected information will be used in the preparation of enterprise budget and financial statements. For PG students, classes are organized in the computer lab where they are exposed to various methods of analysis using statistical packages like SPSS, Solver, New Markov and 'R' to solve the problem of production, preparation of project report, project analysis, analysis of financial statements, price behaviour and price forecasting.

### 6.5.4.5 Examination and Evaluation Process

**i) Evaluation of student, examinations and grades**

The evaluation of the student in a course shall be based on his/her performance in various kinds of exanimations, records, class work and other types of exercises. The detailed course outlines in each course will be prepared by the concerned teacher in consultation with the University Head of the Department which will be made available to the students during the first week of the semester.

**ii) Mid-semester examinations**

A schedule of the mid-semester examinations of the academic programme will be prepared by the Office of the Associate Dean and notified to the students at the beginning of each semester. Answer scripts of mid-semester examinations will be evaluated by the concerned course teacher and will be shown to the students.

There will be one mid-semester examination conducted by the teacher offering the course after 50 % of the working days are over in a semester. The duration for mid-semester examination will be for one and half hours. The marks allotted for mid-semester examination will be 20 for one credit hour. Unless a student appears for the mid-semester examination he/she will not be permitted to appear for the semester final theory and practical examinations in the course concerned. The regular mid-semester examination and the special re-examination will be conducted as per the time to be fixed by the Associate Dean.

**iii) Practical Final Examination**

Practical examinations will be conducted by the respective course teacher in the last practical class. The examination covers the topics dealt in practicals and the student has to secure minimum of 50 per cent marks to pass the examination. In the practical examination a viva-voce exam will also be taken by the concerned course teacher to test the comprehensive knowledge of the student.

**iv) Semester Final Examination**

The semester final examinations will be held at the end of each semester in each course. The semester final examination in the theory portion will be of two and half hours duration and the student has to secure minimum of 50 per cent marks to pass the examination. The semester final theory question paper will be received from the University which will be common for all the students of different colleges in the University.

**Evaluation Process**

**i) Under graduate level**

Evaluation of a student at UG level is done by conducting mid semester examination, semester final practical examination and semester final theory examination.

Mid semester examination is conducted for 50 marks and reduced to 20 marks if it is one credit or 40 marks in case of two credit course. Practical marks will be for 50 marks for each credit of a course which includes 25 marks for semester final practical examination and 25 marks for practical record including performance in the practical class. While semester final theory examination will be conducted for 100 marks and will be reduced to 30 or 60 marks for one credit hour and two credit hours of the course respectively. The grade point is accorded based on the credit load of each subject. The following is the criteria for awarding grade in different courses

| S. No. | Credit Load | Evaluation Pattern |
|---|---|---|
| 1 | 1 (1+0) | Mid semester examination - conducted for 50 marks and reduced to 20 marks<br>Semester final theory examination - conducted for 100 marks and reduced to 30 marks<br>Total : 50 marks, raised to 100 marks and reduced to 10 (Grade Point) |
| 2 | 1 (0+1) | Semester final practical examination - conducted for 50 marks and reduced to 25 marks<br>Practical record including class work - 25 marks<br>Total : 50 marks, raised to 100 marks and reduced to 10 (Grade Point) |
| 3 | 2 (1+1) | Mid semester examination - conducted for 50 marks and reduced to 20 marks<br>Semester final theory examination - conducted for 100 marks and reduced to 30 marks<br>Total : 50 marks<br>Semester final practical examination - 50 marks and reduced to 25 marks<br>Practical record including class work 25 marks<br>Total : 50 marks<br>Total : 100 (50+50) marks, reduced to 10 (Grade Point) |
| 4 | 2 (2+0) | Mid semester examination - conducted for 50 marks and reduced to 40 marks<br>Semester final theory examination - conducted for 100 marks and reduced to 60 marks<br>Total : 100 (40+60) marks, reduced to 10 (Grade Point) |
| 5 | 3 (2+1) | Mid semester examination - conducted for 50 marks and reduced to 40 marks<br>Semester final theory examination - conducted for 100 marks and reduced to 60 marks |

| S. No. | Credit Load | Evaluation Pattern |
|---|---|---|
| | | Total : 100 (40+60) marks<br>Semester final practical examination - 50 marks and reduced to 25 marks<br>Practical record including class work 25 marks<br>Total : 50 (25+25) marks<br>Total : 150 (100+50) marks, reduced to 10 (Grade Point) |
| 6 | 3 (1+2) | Mid semester examination - conducted for 50 marks and reduced to 20 marks<br>Semester final theory examination - conducted for 100 marks and reduced to 30 marks<br>Total : 50 (20+30) marks<br>Semester final practical examination - 50 marks<br>Practical record including class work - 50 marks<br>Total : 100 marks<br>Total : 150 (50+100) marks - reduced to 10 (Grade Point) |

**ii) Post graduate level**

Evaluation at Post graduate level is done at four stages *viz.,* Mid Semester Examination, Class Seminar Presentation / Assignment, Semester Final Practical examination and Semester Final Theory examination.

Mid semester examination is conducted for 50 marks and reduced to 15 or 30 marks depending upon the credit hours and class seminar presentation including assignment is for 20 marks reduced to 10 marks. While semester final practical examination is for 25 marks, classwork including record is for 25 marks. Semester final theory examination will be for 100 marks and reduced to 25 marks. The grade point is accorded based on the credit load of each subject. The following is the criteria for awarding grade in different courses.

| S. No. | Credit Load | Evaluation Pattern |
|---|---|---|
| 1 | 1 (1+0)<br>Credit<br>Seminar | Seminar Presentation for 80 marks<br>Writeup for 20 Marks<br>Total : 100 (80+20) marks - reduced to 10 (Grade Point) |
| 2 | 1 (0+1) | Semester final practical examination - conducted for 50 marks and reduced to 25 marks<br>Practical record including class work - 25 marks<br>Total : 50 marks, raised to 100 marks and reduced to 10 (Grade Point) |

| S. No. | Credit Load | Evaluation Pattern |
|---|---|---|
| 3 | 2 (1+1) | Mid semester examination - conducted for 50 marks and reduced to 15 marks<br>Class seminar presentation including assignment - 20 marks reduced to 10 marks<br>Semester final theory examination - conducted for 100 marks reduced to 25 marks<br>Total : 50 (15+10+25) marks<br>Semester final practical examination - 50 marks and reduced to 25 marks<br>Practical record including class work - 25 marks<br>Total : 50 marks<br>Total : 100 (50+50) marks - reduced to 10 (Grade Point) |
| 4 | 2 (2+0) | Mid semester examination - conducted for 50 marks reduced to 30 marks<br>Class seminar presentation including assignment - 20 marks<br>Total : 50 marks (30+20)<br>Semester final theory examination - conducted for 100 marks reduced to 50 marks<br>Total for 100 (50+50) marks - reduced to 10 (Grade Point) |
| 5 | 3 (2+1) | Mid semester examination - conducted for 50 marks and reduced to 30 marks<br>Class seminar presentation including assignment - 20 marks<br>Semester final theory examination - conducted for 100 marks and reduced to 50 marks<br>Total : 100 (30+20+50) marks<br>Semester final practical examination - 50 marks and reduced to 25 marks<br>Practical record including class work - 25 marks<br>Total : 50 marks<br>Total : 150 (100+ 50) marks - reduced to 10 (Grade Point) |
| 6 | 2 (0+2) | Semester final practical examination - 50 marks<br>Class work including record - 50 marks<br>Total : 100 marks - reduced to 10 (Grade Point) |

### 6.5.4.6 NCC and NSS Units

**i) NCC Unit**

S.V. Agricultural College, Tirupati is having one NSS Unit headed by Dr. Lieutenant P. Karthik Reddy, NCC Officer. He has attended 90 days NCC Pre-Commission Training course at Kamptee, Nagpur, Maharashtra held from 04-12-2016 to 05-03-2017. He got the approval of Competent Authority for the grant of commission in NCC with No. NCC/01110307 and Lieutenant Rank. Salient points of NCC unit are given below.

The total allotted strength of cadets in the NCC unit is 50 cadets (Boys and girls) and the current strength is 50 (11 girls + 39 boys). For getting 'B' Certificate a cadet has to be trained for two years and for 'C' Certificate one year training is required. For 'B' certificate a cadet has to attend for 35 parades each consisting of 2.30 hr duration and for 'C' certificate a cadet has to attend 40 parades each consisting of 2.30 hr duration. Each Cadet should successfully complete the two training camps of minimum 10 days each for awarding the certificate. Cadets from S.V. Agricultural College, Tirupati have participated in several national and international programs. NCC cadets participate in Guard of Honour to the dignitaries on National Festivals i.e. Independence Day (15$^{th}$ August) and Republic Day (26$^{th}$ January) celebrations in the college. So far, 87 cadets have Secured NCC 'C' – Certificates.

**ii) NSS Unit**

The College has five units of NSS each consisting of around 100 active NSS volunteers and each unit is headed and directed by a NSS programme Officer. A brief report on NSS Unit is as follows.

The NSS unit was started at S. V. Agricultural College in the year 1975. At present there are about 500 students actively involved in NSS activities under the guidance of five NSS officers. NSS is made compulsory co-curricular activity from 1998-99 academic year as a single credit practical course *i.e.* COCA-200 in B.Sc. (Ag.) II year with specific syllabus and activity. NSS special camp will be conducted every year for 1 week duration with final B.Sc. (Ag.) students. The activities include sanitation, health checkup, blood donation, rythusadassu, tree plantations, clean and green, soil testing, rodent control, plant protection, adult education *etc.* "Green the campus" is one of the major activities of NSS unit and as a part of it the college campus is made green through the development of gardens and plantation programmes.

**i) Every year NSS unit celebrates the following events**

| Month | Date | Days |
|---|---|---|
| January | 12th | National Youth Day |
| | 26th | Republic Day |
| | 30th | Martyr Day |
| March | 8th | International Women Day |
| April | 7th | World Health Day |
| May | 21st | Anti-Terrorism Day |
| | 31st | World No Tobacco Day |
| June | 5th | World Environment Day |
| July | 11th | World Population Day |
| August | 15th | Independence Day |
| | 20th | Sadbavana Day |
| September | 8th | International Literacy Day |
| | 15th | International Peace Day |
| | 24th | NSS Day |
| October | 1st | National Blood Donation Day |
| | 2nd | Communal Harmony Day |
| November | 19th | National Integration Day |
| December | 1st | World AIDS Day |
| | 10th | World Human Rights Day |

**ii) NSS Unit also celebrates the following weeks every year at college**

| **Month** | **Week** | **Days** |
|---|---|---|
| January | $12^{th}$ -$19^{th}$ | National Youth Week |
| July | $1^{th}$ - $7^{th}$ | Van Mahotsava Week |
| July | $8^{th}$ - $14^{th}$ | International Literacy week |
| November | $19^{th}$ - $25^{th}$ | Quami Ekta Week |

### 6.5.4.7 Language Laboratory

A well equipped Language Laboratory is available in the college to develop good command of the language for communication process. The under graduate and PG curriculum includes English as one of the subject to develop proficiency in language besides improving the communication skills. Further the department of Statistics and Computer Applications is having a well established computer lab to train the students in multimedia related activities.

### 6.5.4.8 Cultural Center

College is having a cultural center to empower the students to explore and celebrate the cultural events which are held every year for all the students. Students of S.V. Agricultural College are from various states having different cultures and all the students unite at this cultural centre to exhibit their inner talent through multi cultural programmes. Students celebrate several events such as Fresher's Day, Fare well day, College Day, Hostel day, etc. where they will be exhibiting their multi talented activities through cultural center operating in the college. Students of S. V. Agricultural College, Tirupati are trained in the cultural center supervised by the Officer In-Charge Student Activities and that paved way for the students to participate in State and National level cultural and literary events, National Youth Festivals, AGRIUNIFEST, etc. organised by local authorities, State Universities as well as ICAR.

### 6.5.4.9 Personality Development

Personality development programmes aimed at enduring the pattern of thoughts, feelings and behaviour of the individual that distinguish from other *i.e.* make each individual student unique. This programme helps the student to gain confidence, self esteem, positive thinking, enhance quality of learning, better social and personal life etc. The personality development programmes are being conducted regularly at college level by inviting expertise from outside. Language English is being taught as a course to provide skills in functional grammar and speaking skills. Outside experts are being invited for imparting skills in reasoning, aptitude, interviews, personality

development, verbal ability etc. Mock tests are being conducted regularly to assess the knowledge level of students. The following personality development programmes are being conducted at college level regularly for the benefit of the students.

| S.No. | Details of Event |
|---|---|
| 1 | Coaching classes on English grammar for competitive exams to UG and PG students |
| 2 | Coaching classes on vocabulary for competitive exams to UG and PG students |
| 3 | Coaching classes on group discussion for competitive exams to UG and PG students |
| 4 | Coaching classes on interview skills for competitive exams to UG and PG students |
| 5 | One day workshop on "Career awareness programme" to UG students |
| 6 | One day workshop on "Strategies to get into Government services" to UG students |
| 7 | One day programme on "Personality development and leadership skills" |
| 8 | Seminar on Study abroad to PG students |
| 9 | A guest lecture by Dr. P.S. Vimala Devi, Principal Scientist, ICAR-IIOR, Hyderabad on Carrier Development Oppurtunities |
| 10 | Coaching classes on Speed Mathematics: Basic methods and squares |
| 11 | Coaching classes on Speed Mathematics: For Competitive Exams |
| 12 | Coaching classes on Speed Mathematics: square roots and cube roots |
| 13 | ICAR JRF Coaching classes in various disciplines |
| 14 | Coaching classes on Vocabulary Skills |
| 15 | Guest lecture on Speed, distance and time for Victory |
| 16 | Guest lecture on Introduction to GRE and IELTS |
| 17 | Coaching classes on Speaking skills in Interview |
| 18 | Coaching classes on Group discussion skills |
| 19 | Coaching classes on Attitude and time management |
| 20 | Coaching classes on Team building and ice breaking |
| 21 | Coaching classes on Communication skills, goal settings and interpersonal skills |

**SC, ST, OBC & Minorities Students Coaching Cell**

SC, ST, OBC & Minorities Students Coaching Cell is functioning in the college with assistance from University and ICAR funding for preparing NET, ARS, ICAR JRF, State and Central Civil Services examinations. The center provides necessary study material including books for free of cost to the students belonging to SC, ST, OBC & Minorities. Besides, the center organizes lectures by eminent personalities like Sri K.V.S.Prakash, Director of educational club, Tirupati, Dr. Madhumurthi, Professor, Dept. of English Skit, Srikalahasthi and distinguished faculty of the college to motivate the students in their career planning and building.

### 6.5.5 Physical Facilities

#### 6.5.5.1 Hostels

Presently S.V. Agricultural College, Tirupati is having three boys hostels *viz.,* Mithila, Sabarmathi and Dwaraka and three girls hostels Priyadarshini I & II and New PG hostel. The hostels are provided with good basic and infrastructural facilities and amenities for their comfortable stay, safety and security particularly in girls hostel.

**i) Number of students residing in hostels**

| S. No. | Name of the Year | Boys | Girls | Total strength |
|---|---|---|---|---|
| 1 | Final B.Sc. (Hons.) Ag. students | 64 | 67 | 131 |
| 2 | Third B.Sc. (Hons.) Ag. students | 62 | 77 | 139 |
| 3 | Second B.Sc. (Hons.) Ag. students | 75 | 82 | 157 |
| 4 | First B.Sc. (Hons.) Ag. studnets | 62 | 120 | 182 |
| | **Total** | **263** | **346** | **609** |
| 5 | M.Sc. (Ag.) Students | 24 | 68 | 92 |
| | **Total** | **24** | **68** | **92** |
| 6 | MABM Students | 11 | 15 | 26 |
| | **Total** | **11** | **15** | **26** |
| 7 | Ph.D. Students | 20 | 30 | 50 |
| | **Total** | **20** | **30** | **50** |
| 8 | Students of Agricultural Polytechnic, RARS, Tirupati | 21 | 23 | 44 |
| | **Total** | **21** | **23** | **44** |
| | **Grand Total** | **339** | **486** | **821** |

**ii) Capacity of Hostels**

| S. No. | Name of the Hostel | Capacity |
|---|---|---|
| **Boys Hostel** | | |
| 1 | Mithila | 114 |
| 2 | Sabarmati | 180 |
| 3 | Dwaraka | 54 |
| | **Total capacity** | **348** |
| **Girls Hostel** | | |
| 4 | Priyadarsini - I Block | 235 |
| 5 | Priyadarsini- II Block | 176 |
| 6 | New PG Hostel | 112 |
| | **Total capacity** | **523** |

- In boys hostel three students are accommodated per room at UG level and one boy student per room at PG level.
- In girls hostel four girl students are accommodated per room at UG level and 2-3 girl students per room at PG level.
- Separate mess facility with modern kitchen and well furnished dining hall are made available for boys and girls with good nutritious food at reasonable rates.
- Each hostel has one reading room with news papers, magazines and books and one TV room with a Dish connected LED TV for entertainment and to know current affairs.
- PG hostels are provided with net facility to facilitate the students for academic progress.
- Both the hostels have outdoor gym facility installed in the premises of hostel in order to make them physically fit.
- Indoor games such as Chess, Caroms and Table tennis are available in hostels.
- All the hostels are provided with 24 hours RO (Reverse Osmosis Units) water supply for drinking purpose and 24 hours tap water available for domestic purpose.

- Hostels are kept clean and tidy there by maintaining general hygiene which is important for the students to stay healthy and away from diseases.
- Boys and Girls hostels are located in the college campus itself (less than 1 km distance from main college building) hence no transport facility is provided by the college from hostel to college. For any outdoor or field visits college bus will be provided to the students.
- A college has a well equiped health centre with 24 × 7 ambulance facility.

#### 6.5.5.2 Examination hall

The college is having three examination halls for conducting Under Graduate and Post Graduate examinations with a seating capacity of 160 (UG examination hall), 90 (PG examination hall - I) and 36 (PG examination hall - II), thus having a provision for conducting examination to 286 students at a time. All the examination halls are under CCTV coverage.

#### 6.5.5.3 Sports and Recreational facilities

Adequate facilities for outdoor and indoor sports and games that include, Shuttle Badminton court, Volley Ball court, Basket ball court, Ball badminton court, Cricket Ground, Foot ball ground and Tennicoit court (outdoor) and TT, Caroms and Chess (indoor) exists in the college.

The Physical Education department looks after the sports, games and other facilities to the students in the college. The total area of sports and games field is 10 acres and has playgrounds with provision for multiple games such as athletics, cricket, foot ball, hockey, volley ball, basket ball etc. The grounds are being very well maintained regularly for the students to play different games. Facilities are provided for regular training and practice of sports and games to all the students.

Intra college and inter college games and sports competitions are organized regularly every year for students. Students are specially trained for participation in University and Inter University, National Youth festival competitions organized by various institutions / Universities etc.

Students of this college took part and won several medals, rolling shields, special prizes in Inter collegiate, All India Inter–University, All India Inter Agril. University (South zone) games and sports competitions such as cricket, badminton, table tennis, volley ball, athletics during the last eight years. Our students also participated in youth festivals and bagged meritorious medals.

#### 6.5.5.4 Auditorium

The college has an open air auditorium which facilitates smooth conduct of common events with a seating capacity of 1000. All the college functions such as Independence day, Republic Day, NSS Day, NCC day, College Day, Hostel Day, etc. are being conducted at open air auditorium. However, a new indoor auditorium with a seating capacity of 800 with latest facilities is sanctioned by the University and the construction is in progress.

**Video Conference Facility**

The College is having Video conferencing room for conferencing with University Head Quarters and other constituent colleges and Regional Agricultural Research Stations of the University. On first Monday of every month monthly review meetings is being held through video conferencing.

#### 6.5.5.5 Exhibition Hall and Museum

The college has one exhibition hall cum museum which is being maintained by the department of Extension Education. The museum houses the live specimens and photographs of various crops and varieties, symptoms of pest and disease and their management, specimens of insects, nutrient deficiency symptoms, seed of HYV developed by ANGRAU, technologies developed by the University, Farm implements and mechanization, etc. The exhibition hall helps in disseminating the latest technology to the under graduate students, farmers from Andhra Pradesh and other states, students and staff of other agricultural institutions, etc.

### 6.5.6 RESEARCH FACILITIES

#### 6.5.6.1 Post graduate laboratories and equipments

**1. Department of Agronomy**

The department has one seminar hall and PG laboratory. The seminar hall can accommodate about 120 delegates and is fitted with air conditioners and audio visual aids with UPS backup for uninterrupted power supply, which can host seminars, workshop, conferences etc. successfully.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Pressure plate apparatus | For estimation of soil and leaf water potential |

| | |
|---|---|
| Leaf area meter | For calculating the leaf area of experimental material |
| Root scanner with accessories | For estimation root surface area of the experimental material |
| Automatic nitrogen analyser (KEL PLUS) | For estimation of nitrogen and protein content in the plant and soil samples |
| Flame photo meter | For determination of potassium content in the soil and plant samples |
| Hot air oven | For drying of plant, soil and weed samples |
| PAR ceptometer canopy analyser | For estimation of PAR |
| Net solar radiometer | For recording amount of solar radiation reflected from the surface |
| Tensiometer | For estimation of soil moisture tension |
| Infrared moisture balance | Fore estimation of soil moisture content |
| Digital electronic balance | For weighing chemicals used for various PG and Ph.D experiments |
| Rice husker cum polisher | For dehusking and polishing of rice for experimental purpose |
| Green house facility | For conducting pot house and green house experiments |

**2. Department of Genetics and Plant Breeding**

The department has one PG laboratory with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Laminar air flow | For preparation of media during Tissue culture practicals |
| Microscopes | For microscopic observation of mitosis and meiosis stages during UG and PG practical |

| | |
|---|---|
| Seed storage visi coolers | For short term storage of the seed samples |
| Autoclave | For sterilization of glassware and plastic ware to be used in molecular biology |
| Hot air oven | For drying of seed samples and glassware |
| Refrigerators | For storing all working solutions for PCR and DNA isolation. |
| Horizontal gel electrophoresis unit with power pack | For separation of PCR products |
| Vertical gel electrophoresis unit with power pack | For high resolution separation of PCR fragments and protein separation |
| Micro ovens | For dissolving of agarose and other chemicals |
| 6.0 KV UPS | For maintaining continuous power supply for all the equipments present in PG and Ph.D laboratory |
| Digital electronic balance | For weighing chemicals used for various PG and Ph.D experiments up to 1 mg |
| Water bath | For incubation of leaf samples during DNA isolation |
| Refrigerated centrifuge | For precipitation of DNA |

### 3. Department of Soil Science and Agricultural Chemistry

The department has two PG laboratories with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Atomic Absorption Spectrophotometer | To estimate the micronutrients and heavy metals in soil, plant and water samples |
| UV-Visible Spectrophotometer | To determine Phosphorous and Sulphur from soil, plant and water samples |
| | To determine soil enzymes such as urease, phosphatases, dehydrogenases, etc. |
| Flame photo meter | To estimate Sodium and Potassium concentrations in soil, plant and water samples |
| BOD incubator | To incubate soil samples at fixed temperatures for determination of population of microorganisms and soil enzymes |
| Remi-centrifuge | To centrifuge the samples at required rpm |
| pH meter | To read the pH in samples of soil and water |
| EC meter | To know the conductivity of the soil and water samples |
| Refrigerator | To store the chemicals and samples |
| KEL-PLUS Unit | For digestion and distillation of soil and plant samples to estimate Nitrogen |

## 4. Department of Entomology

The department has one PG laboratory with following equipments to carryout post graduate students research

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Olympus trinocular stereo zoom microscope with camera and image analysis software | For taking digital images of various life stages of insects and plant samples up to micrometer level |
| Research microscope with built in halogen illumination with eye piece 3/5/10/15 x and objective 5/10/45/100 x magnification | For viewing different parts of insects and plant species |
| Digital colony counter | For counting bacterial and fungal spore |
| Equitron BOD incubator | For maintaining cultures of bio pathogens and to carry out experiments at stable temperature and humidity |
| Portable autoclave of 16 litres capacity | For sterilization of materials used for insect pathology experiments |
| Hot air oven | For drying of insect specimens used for taxonomy studies and taking dry weight of insect and plant samples |
| Mini rotary shakers RS-12 plus clamps | For culturing microorganisms |
| 50 mm thick RCC pre coated with work benches | For pot culturing plants used for greenhouse experiments |
| Potters tower sprayer | For Insecticide Resistance studies. The technical grade insecticide will be dissolved in acetone and administered in to the Potters tower that will give a uniform spray onto the insects underneath used in detection of insecticide resistance |
| 10.0 KVA/196 V De online system | For maintaining continuous power supply for all the equipments present in PG and Ph.D laboratory |
| Digital electronic balance | For weighing chemicals used for various PG and Ph.D experiments up to 1 mg |
| Net house | For conducting pot house and green house experiments |

## 5. Department of Plant Pathology

The department has one PG laboratory with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Magnus monocular microscopes | For observing plant pathogens for scraping and dissections |
| Olympus monocular microscopes | |
| LCD Projector (NECVT 590 G) and Sony | For demonstrating practicals to UG students |
| Amaron 650 VA Inverter | For backup for microscopy |
| Laminar air flow cabinet (Alpha) | For demonstrating practicals to UG students |
| Digital bacterial colony counter LAPIZ model | For counting microbial colonies |
| Hot air oven (Technico) | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| Equitron BOD incubator | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Portable automatic autoclave (Equitron) | For moist heat sterilization of materials used for pathology experiments |
| Microwave oven (Samsung) | For boiling water/ melting solid culture media |
| Orbital shaking incubator (REMI) | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Hot air oven (Small size) | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| Autoclave vertical | For moist heat sterilization of materials used for pathology experiments |
| Sensitive balance (ATCO) | For weighing up to 1 mg |
| Orbital shaker | For shaking the culture |
| Fermentor | For preparation of talc based bio control formulations |

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Binocular research microscope with phase contrast equipment (LABOMED) | For taking digital images of various life stages of microbes and up to micrometer level |
| Microscope with camera attachment | |
| Image pad ultra I 500 with microscope EX3030 (Accuscope) | |
| Magnus zoom stereo binocular microscope | |
| CX-41 trinocular Microscope | |
| Canon DSLR Camera | For taking research photographs |
| Refrigerated micro centrifuge | For isolation of DNA from microbes and samples for molecular research |
| CM-12 Plus compact bench top cooling micro centrifuge | |
| R-12 Plus micro centrifuge with accessories | |
| Cooling centrifuge | |
| PCR machine (Master cycler gradient) | For amplifying DNA segments |
| Laminar air flow cabinets (Technico) | For maintenance of aseptic conditions |
| Biorad make mini protean tetra cell | For running electrophoresis |
| PCR machine (Takura) | For amplifying DNA segments |
| GEL-DOC | For taking photographs of electrophoresis gels with software in desktop |
| Dell Vostro Desktop | |
| Horizontal electrophoresis WIPRO GE | For variability studies of isolates |
| Power supply for Electrophoresis unit WIPRO GE | For power supply to electrophoresis unit |
| Horizontal Laminar air flow (alpha) | For maintenance of aseptic conditions |
| Printer for Automatic cyberlab ELISA–ROI microplate reader | For detection of plant viruses |

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Cyberlab ELISA Reader-ROI | For taking observations on plant viral load |
| Genei Electrophoresis unit | For variability studies of isolates |
| Deep freezer (vertical) | For preserving cultures at -20°C |
| BOD Incubator (Equitron) | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Laminar air flow chamber Horizontal | For moist heat sterilization of culture media |
| RIA Laminar air Flow cabinet | For maintenance of aseptic conditions |
| KEMI Hot Air Oven | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| RIA BOD Incubator | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Cooling Incubator model | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Western freezer 500 ltrs | For preserving mushroom cultures at -20°C |
| Deep freezer | For preserving mushroom cultures at -20°C |
| Yorco humidifier | For maintaining humidity |
| Stabilizer (Servo) | For maintaining constant power to the incubator |
| Sony steel open racks | For keeping mushroom beds |
| Air conditioners | For maintaining cooling temperatures for mushrooms |
| Autoclave tripple | For moist heat sterilization of sorghum grains, straw |
| Electronic balance | For weighing chemicals less than 1 mg |
| pH meter | For determining pH of the solutions |
| Refrigerator | For processing mushroom recipes |

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Water purifier | |
| Micro oven | |
| Weighing balance | For weighing of harvested mushrooms |
| Sealing machine | For packing mushrooms |
| Foot sprayer | For disinfecting mushroom sheds |
| Hand sprayer | |
| Mushroom sheds | For raising mushroom |
| Chaff cutting machine 2 HP motor | For cutting straw for mushroom beds |
| Chaff cutting machine 1 HP motor | |
| Smart class room | For interactive learning by the PG students through presentations with special effects |
| Laminar air flow chambers | For maintenance of aseptic conditions |
| BOD incubator | For moist heat sterilization of culture media |
| Vertical autoclave | |
| Hot air oven (Dalal) | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| Deep freezer (340 ltrs ) | For preserving cultures at -20°C |
| Spectrum BOD Incubator | For moist heat sterilization of culture media |

## 6. Department of Crop Physiology

The department has one PG laboratory with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Compound microscopes | Used in UG Practical for taking section cuttings of different parts of plants |
| Seed germinator | Used for UG and PG research. These create an environment in which light, humidity and temperature are controlled to provide optimum conditions for the germination of seeds |
| Laminar air flow chamber | To carry tissue culture UG and PG practicals |
| Deep freezer (- 20°C) | To store the plant samples |
| Water bath | To heat the leaf samples for enzymatic analysis |
| Hot air oven | For drying plant samples to get dry weights for deriving growth analysis |
| Cooling centrifuge | For enzymatic analysis |
| Infrared thermometer | For measuring leaf temperatures in abiotic stress experiments |
| Double distillation water unit | To have distilled water for all the nutrient and enzymatic analysis |
| Soxhlet apparatus | To estimate oil (lipids) from seed |
| Digital electronic balance | For weighing chemicals used for various UG, PG and Ph.D experiments up to 1 mg |
| Spectrophotometer | For measuring absorbance in enzymatic analysis |
| Plant growth chamber | Used for various UG, PG and Ph.D experiments |
| Leaf area meter | For measuring leaf area of the plant samples used for various UG, PG and Ph.D experiments |
| Microwave oven | For media preparation used in tissue culture experiments |

| PG laboratory | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Rotary vacuum evaporator | Used in hormonal analysis |
| IRGA (Infra Red Gas Analyzer) | To measure the gas exchange in plants in various UG, PG and Ph.D experiments |
| SPAD (Soil Plant Analysis Development) | To measure the greenness of leaves in various UG, PG and Ph.D experiments |
| LUX meter | To measure the light intensity in various UG, PG and Ph.D experiments |
| Lysimeter | Used for UG practical |
| Glasshouse | The department also has a glass house facility to carry the PG pot culture research. Within the glass house there is a separate chamber to carry the research on effect of elevated $CO_2$ on crop growth and development |

**7. Department of Agricultural Extension**

The department has one PG classroom with a seating capacity for 30 students and provided with audio visual aids for taking classes.

**8. Department of Agricultural Economics**

The department has one computer lab with a seating capacity of 30 students. The lab is equipped with computers to carry out various practical classes with UPS backup.

| PG laboratory | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Computers | For conducting practical exercises especially production functions, linear programming technique, Price behavior of various crops and price forecasting techniques using SPSS, Solver, New Markov and R |

### 9. Department of Statistics and Computer Applications

The department has one PG laboratory that can accommodate around 25 students and has 25 Desktop systems for student practicals. The laboratory is facilitated with audio visual aids for taking classes effectively.

### 10. Institute of Agribusiness Management

The department has one mini conference hall which is used for conducting practical classes with interactive sessions for MBA (ABM) students for enhancing skills in public speaking, presentation, group discussions, brainstorming activities, etc. The Mini conference hall is equipped with Audio visual aids such as roof mounted projection system, wireless conferencing device, wireless public addressing system with ahuja amplifier and sound system for best conferencing experience.

## 6.5.6.2 Research Contingency

### 6.5.6.2.1 Budget allotted by the University under Non-Plan for last five years (Rs.)

| Head of Account | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
|---|---|---|---|---|---|
| 1000 to 1500 - Pay and Allowance | 13,83,59,000/- | 15,32,93,000/- | 15,48,06,000/- | 16,87,20,000/- | 18,48,83,000/- |
| 2000 to 2404 - Recurring Contingencies | 1,10,42,000/- | 1,18,53,000/- | 1,22,23,000/- | 1,38,49,000/- | 1,50,49,000/- |
| 3000 to 4000 - other Contingencies | 8,31,000/- | Nil | 8,31,000/- | 8,31,000/- | 10,81,000/- |
| 150604 - Regional Library 1000- Pay and Allowance | 4,10,000/- | 12,67,000/- | 12,78,000- | 15,06,000/- | 15,44,000/- |
| 2000 to 2404 - Recurring Contingencies | 1,08,000/- | 23,05,000/- | 1,37,000/- | 1,37,000/- | 1,37,000/- |
| 3000 to 4000 - other Contingencies | 25,03,000/- | Nil | 21,68,000/- | 21,68,000/- | 21,68,000/- |
| 124304-IABM 1000 - Pay and Allowance | 20,00,000/- | Nil | 69,75,000/- | 73,10,000/- | 83,25,000/- |
| 2000 - Recurring Contingencies | 3,50,000/- | 9,90,000/- | 6,66,000/- | 11,34,000/- | 11,34,000/- |
| 3000 - 4000 Other contingencies | | | 3,30,000/- | 4,30,000/- | 5,90,000/- |
| 124305 - Agricultural marketing intelligence Centre | | | | | 9,90,000/- |
| **Total Rs.** | **15,56,03,000/-** | **16,97,08,000/-** | **17,94,14,000/-** | **19,60,85,000/-** | **21,59,01,000/-** |

### 6.5.6.2.2 Budget allotted by ICAR during last five years

| Year | Head of Account | Budget Allotted (Rs.) |
|---|---|---|
| 2015-16 | ICAR 1st Installment | 41,95,000/- |
| | ICAR 2nd Installment | 12,75,000/- |
| | **Total Rs.** | **54,70,000/-** |
| 2016-17 | ICAR 1 st installment | 78,52,263/- |
| | ICAR 2nd Installment | 1,03,77,000/- |
| | **Total Rs.** | **1,82,29,263/-** |
| 2017-18 | ICAR 1 st Installment | 39,77,000/- |
| | ICAR 2nd Installment | 25,20,000/- |
| | Final Installment | 77,55,000/- |
| | **Total Rs.** | **1,42,52,000/-** |
| 2018-19 | ICAR 1st Installment | 25,42,000/- |
| | **Total Rs.** | **25,42,000/-** |
| 2019-20 | **Ist Installment** | 73,50,000/- |
| | **2nd Installment** | 26,50,000/- |
| | **Final Installment** | 1,50,000/- |
| | **Total Rs.** | **1,01,50,000/-** |

### 6.5.6.2.2.3 Research contingencies allotted to different departments

| Department | Year | Under graduate (Rs.) | Post graduate (Rs.) | Total (Rs.) |
|---|---|---|---|---|
| **Agronomy** | 2015-16 | 45000/- | 25000/- | 70000/- |
| | 2016-17 | 50000/- | 30000/- | 80000/- |
| | 2017-18 | 50000/- | 30000/- | 80000/- |
| | 2018-19 | 50000/- | 30000/- | 80000/- |
| | 2019-20 | 50000/- | 30000/- | 80000/- |
| | | | **Total** | **390000/-** |
| **Genetics and Plant Breeding** | 2015-16 | 30000/- | 60000/- | 90000/- |
| | 2016-17 | 30000/- | 60000/- | 90000/- |
| | 2017-18 | 30000/- | 60000/- | 90000/- |
| | 2018-19 | 30000/- | 60000/- | 90000/- |
| | 2019-20 | 30000/- | 60000/- | 90000/- |
| | | | **Total** | **450000/-** |
| **Soil Science and Agricultural Chemistry** | 2015-16 | 60000/- | 32000/- | 92000/- |
| | 2016-17 | 60000/- | 40000/- | 100000/- |
| | 2017-18 | 60000/- | 40000/- | 100000/- |
| | 2018-19 | 60000/- | 40000/- | 100000/- |

| Department | Year | Under graduate (Rs.) | Post graduate (Rs.) | Total (Rs.) |
|---|---|---|---|---|
| | 2019-20 | 85000/- | 60000/- | 100000/- |
| | | | **Total** | **592000/-** |
| **Entomology** | 2015-16 | 45000/- | 24000/- | 69000/- |
| | 2016-17 | 55000/- | 30000/- | 85000/- |
| | 2017-18 | 55000/- | 30000/- | 85000/- |
| | 2018-19 | 55000/- | 30000/- | 85000/- |
| | 2019-20 | 107000/- | 93000/- | 200000/- |
| | | | **Total** | **5240000/-** |
| **Plant Pathology** | 2015-16 | 40000/- | 15000/- | 55000/- |
| | 2016-17 | 40000/- | 15000/- | 55000/- |
| | 2018-19 | 40000/- | 15000/- | 55000/- |
| | 2019-20 | 230000/- | 113000/- | 343000/- |
| | | | **Total** | **508000/-** |
| **Crop Physiology** | 2015-16 | 28000/- | 65000/- | 93000/- |
| | 2016-17 | 57390/- | 1376400/- | 1433790/- |
| | 2017-18 | 147000/- | 530000/- | 677000/- |
| | 2018-19 | 75000/- | 55101/- | 130101/- |
| | | | **Total** | **2333891/-** |
| **Agricultural Engineering** | 2015-16 | 35000/- | -- | 35000/- |
| | 2016-17 | 35000/- | -- | 35000/- |
| | 2017-18 | 35000/- | -- | 35000/- |
| | 2018-19 | 35000/- | -- | 35000/- |
| | 2019-20 | 35000/- | -- | 35000/- |
| | | | **Total** | **175000/-** |
| **Horticulture** | 2015-16 | 40000/- | -- | 40000/- |
| | 2016-17 | 40000/- | -- | 40000/- |
| | 2017-18 | 40000/- | -- | 40000/- |
| | 2018-19 | 40000/- | -- | 40000/- |
| | 2019-20 | 40000/- | -- | 40000/- |
| | | | **Total** | **200000/-** |
| **Agricultural Economics** | 2015-16 | 25000/- | -- | 25000/- |
| | 2016-17 | -- | -- | -- |
| | 2017-18 | -- | -- | -- |
| | 2018-19 | 25000/- | 10000/- | 35000/- |

| Department | Year | Under graduate (Rs.) | Post graduate (Rs.) | Total (Rs.) |
|---|---|---|---|---|
| | 2019-20 | -- | 25000/- | 25000/- |
| | | | **Total** | **85000/-** |
| **Agricultural Extension** | 2015-16 | -- | 10000/- | 10000/- |
| | 2016-17 | -- | 10000/- | 10000/- |
| | 2017-18 | -- | 15000/- | 15000/- |
| | 2018-19 | -- | 20000/- | 20000/- |
| | 2019-20 | -- | -- | -- |
| | | | **Total** | **55000/-** |
| **Statistics and Computer Applications** | 2015-16 | 25000/- | -- | 25000/- |
| | 2016-17 | 25000/- | -- | 25000/- |
| | 2017-18 | 25000/- | -- | 25000/- |
| | 2018-19 | 25000/- | -- | 25000/- |
| | 2019-20 | 25000/- | -- | 25000/- |
| | | | **Total** | **125000/-** |

### 6.5.7 Outcome/Output

#### 6.5.7.1 Student performance in National Examinations

| Year | JRF | SRF | NET | ARS |
|---|---|---|---|---|
| 2015-16 | 03 | - | - | - |
| 2016-17 | 03 | - | - | - |
| 2017-18 | 07 | - | - | - |
| 2018-19 | 11 | 3 | | 2 |
| 2019-20 | 12 | - | - | - |

**i) ICAR-JRF ranks secured by students of S.V. Agricultural College, Tirupati**

| S. No. | Name of the student | Subject group |
|---|---|---|
| **2015-16** | | |
| 1 | Thushar Sahoo | Plant Sciences |
| 2 | Shubankar Gupta | Plant Sciences |
| 3 | Jagruthi Kalpana | Social Sciences |
| **2016-17** | | |
| 1 | K.K. Ajmal | Agronomy |
| 2 | M. Ramaiah | Entomology |
| 3 | Manish Sharma | Agricultural Biotechnology |
| **2017-18** | | |
| 1 | Vishnu Priya | Agronomy |
| 2 | Dondeswara Sarathi | Agronomy |
| 3 | Jaisimha Reddy | Agronomy |
| 4 | Gowtham | Agricultural Biotechnology |
| 5 | Kuttibhai | Agricultural Biotechnology |
| 6 | Madhulatha | Social Sciences |
| 7 | Lakshmi Prasanna | Plant Sciences |

| S. No. | Name of the student | Subject group |
|---|---|---|
| **2018-19** | | |
| 1 | K. Reddaiah | Plant Sciences |
| 2 | Hari Karthik | Plant Sciences |
| 3 | M. Ravi Teja | Soil Sciences |
| 4 | P. Pradeep | Entomology |
| 5 | G. Kalpana | Entomology |
| 6 | V Thanuja Reddy | ABM |
| 7 | G Suma | ABM |
| 8 | Jayashree | ABM |
| 9 | A. Gayathri | Agronomy |
| 10 | G. Sravana Lakshmi | Agronomy |
| 11 | G Sravana Lakshmi | Agronomy |
| **2019-20** | | |
| 1 | V. Vamsidhar Reddy | Plant Sciences |
| 2 | G.V. Mohan Reddy | Plant Sciences |
| 3 | Nandu G.S. | Plant Sciences |
| 4 | G. Suresh | Plant Sciences |
| 5 | G. Bhargavi | Plant Sciences |
| 6 | M. Sunitha | Plant Sciences |
| 7 | P. Likitha | Entomology |
| 8 | Bhuvaneswar Reddy | Agronomy |
| 9 | V. Shilpa | Agronomy |
| 10 | P. Pullaiah | Agronomy |
| 11 | P. Raja Kumar Reddy | Agronomy |
| 12 | P. Anuhya | Social Sciences |

**ii) ICAR-SRF Ranks secured by the M.Sc. (Ag.) students of S.V. Agricultural College, Tirupati**

| S. No. | Name of the student | Subject group |
|---|---|---|
| 1 | C. Deepa | Agricultural Extension |
| 2 | V. Ragamalika | Agricultural Economics |
| 3 | Ashwin I. Byaligoudra | |

**iii) Students got selected for ARS conducted by Agricultural Scientist Recruitment Board (ASRB)**

| S. No. | Name of the student | Subject group |
|---|---|---|
| 1 | Bajaru Bhaskar | Plant Pathology |
| 2 | H.R. Ramya | Agricultural Extension |
| 3 | Kona Praveen | Genetics & Plant Breeding |
| 4 | K. Lakshmipathi | Genetics & Plant Breeding |
| 5 | B. Raghavendra Goud | Agronomy |

### 6.5.7.2 Students Placement Profile

Student Counseling and Placement Centre is functioning in the campus since 1997 with strong linkages with Agri-Industrial firms, Banks and Other firms to provide career guidance and employment assistance, educational counseling, information about National and International Universities etc.

In addition to working for employment of the graduates, the centre has been constantly advising and guiding students to get admission into foreign universities, central institutions and other SAUs in the country. Every year about 3- 4 final year students are succeeding in getting admission into various postgraduate programmes in USA and Canada. Further, the centre is actively working for developing competitive spirit among the students to succeed in Indian Administrative Service, Banking services, All-Indian competitive examinations, etc.

| S. No. | Name of the firm offering placement | Name of the post | Mode of selection | No. of students got placement | |
|---|---|---|---|---|---|
| | | | | Boys | Girls |
| **2015-16** | | | | | |
| 1 | ITC Limited | Post Graduate Agricultural Trainee | Written test Interview | 1 | -- |
| 2 | Coramandal Fertilizers | Marketing Development Officer | Campus Interview | 1 | -- |
| 3 | Dupont | Marketing Co-ordinator | Off-Campus | 1 | -- |
| 4 | JK AgriGenetics Ltd. | Assistant manager | Off-Campus | -- | 1 |

| S. No. | Name of the firm offering placement | Name of the post | Mode of selection | No. of students got placement | |
|---|---|---|---|---|---|
| | | | | Boys | Girls |
| 5 | Axis Bank | Assistant manager | Off-Campus | 1 | -- |
| 6 | MAHYCO | Marketing Development Officer | Off-Campus | -- | 1 |
| | | | **Total** | **4** | **2** |
| **2016-17** | | | | | |
| 1 | ITC | Agricultural Trainee | Online | 1 | -- |
| 2 | Sundaram Finance Ltd., | Marketing Officers | Campus Interview | 7 | -- |
| 3 | Dhanuka Agritech Ltd., | Business Development Officers | Online | 11 | -- |
| | | | **Total** | **19** | **--** |
| **2017-18** | | | | | |
| 1 | M/s Dhanuka Agritech Ltd, Hyderabad | Sales Manager | Interview | 1 | -- |
| 2 | Bank of India / Canara Bank / Indian Bank | Agril. Field Officer | Interview | 12 | 5 |
| 3 | Acharya N. G. Ranga Agricultural University, Guntur | Scientist/Research Assistant | Interview | 2 | -- |
| 4 | M/s Indian Tobacco Company, Hyderabad | Post Graduate Trainee | Interview | 1 | -- |
| 5 | Nagarjuna Fertilizers and Chemicals Ltd., | Sales Manager | Interview | 1 | -- |
| 6 | Private Agricultural Colleges, ANGRAU | Teaching Assistant | Interview | 4 | 8 |
| 7 | Private Companies, Andhra Pradesh /Telangana | Sales Personnel | Interview | 12 | -- |

| S. No. | Name of the firm offering placement | Name of the post | Mode of selection | No. of students got placement | |
|---|---|---|---|---|---|
| | | | | Boys | Girls |
| 8 | Prof. Jayashankar Telangana State Agril. University, Hyderabad | Assistant Prof./ Scientist | Interview | 1 | 2 |
| 9 | State Dept. of Agriculture, Andhra Pradesh | Agril. Officer /Asst. Agril. Officer | Interview | 2 | 4 |
| 10 | State Dept. of Agriculture, Telangana | Asst. Extension Officer | Interview | 1 | -- |
| | | | **Total** | **37** | **19** |
| **2018-19** | | | | | |
| 1 | Godfrey Philips India Limited | Sales trainee | Interview | 2 | -- |
| 2 | Syngenta Foundation India | Sales trainee | Interview | 1 | -- |
| 3 | Gayathri Foundation | Sales trainee | Interview | 3 | -- |
| 4 | IIFCO | Sales trainee | Interview | 1 | |
| 5 | Rallis India Limited | Sales trainee | Interview | 3 | -- |
| 6 | Dasarath Fertilizers Pvt Limited | Sales trainee | Interview | 3 | -- |
| 7 | Zuvari Fertilizers Limited | Sales trainee | Interview | 5 | 1 |
| 8 | ITC Limited | Sales trainee | Interview | 1 | 1 |
| 9 | Shreeja Mahila Milk Producers Company | Sales trainee | Interview | 3 | 4 |
| | | | **Total** | **22** | **6** |

| S. No. | Name of the firm offering placement | Name of the post | Mode of selection | No. of students got placement | |
|---|---|---|---|---|---|
| | | | | Boys | Girls |
| **2019-20** | | | | | |
| 1 | ITC | Sales trainee | Campus selection | 1 | 1 |
| 2 | Tata Rallis ltd | Sales trainee | Campus selection | 2 | -- |
| 3 | Bank of India | Sales trainee | Off campus | 1 | -- |
| 4 | Shreeja Dairy | Sales trainee | Campus | 3 | 3 |
| 5 | Agriculture department | AEO | Off campus | 1 | 1 |
| | | | **Total** | **8** | **4** |

### 6.5.7.3 Awards/Recognitions/Certificates

**(a) Faculty**

| S. No. | Name of the Faculty | Name of the Award |
|---|---|---|
| **(a) Awards and Honors received by teaching staff** | | |
| **2015-16** | | |
| 1 | Dr.K.Hariprasad Reddy<br>Professor and Head<br>Dept. of Genetics and Plant Breeding | State level Best Teacher Award |
| 2 | Dr.R.Sarada Jayalakshmi Devi<br>Professor and Head<br>Dept. of Plant Pathology | State level Best Teacher Award |
| 3 | Dr.G.Mohan Naidu<br>Professor<br>Dept. of Statistics & Comp. Applications | Meritorious Teacher Award |
| 4 | Dr.D.Subramanyam<br>Professor<br>Dept. of Agronomy | Meritorious Teacher Award |
| 5 | Dr.P.V.Sathya Gopal<br>Associate Professor<br>Dept. of Agril. Extension | Meritorious Teacher Award |

| S. No. | Name of the Faculty | Name of the Award |
|---|---|---|
| 6 | Dr.G.Fareeda<br>Assistant professor<br>Dept. of Soil Science and Agril. Chemistry | Special Mention – Young Faculty Award |
| **2016-17** | | |
| 1 | Dr. M. Shanthi Priya<br>Associate Professor<br>Dept. of Genetics and Plant Breeding | University Best Teacher |
| 2 | Dr. S.R.Koteswara Rao<br>Professor and Head<br>Dept. of Entomology | State level Best Teacher |
| 3 | Dr. P. Sudhakar<br>Professor and Head<br>Dept. of Crop Physiology | Ugadi Puraskarm Award |
| 4 | Dr. P. Sudhakar<br>Professor and Head<br>Dept. of Crop Physiology | Reviewer Excellence |
| 5 | Dr. S.R.Koteswara Rao<br>Professor and Head<br>Dept. of Entomology | Nominated as a Member, Board of Management, ANGRAU during 2016 for a tenure of three years. |
| 6 | Dr.M.V.S.Naidu<br>Professor<br>Dept. of Soil Science and Agril. Chemistry | Best Poster Presentation at ISSS convention, Gwalior |
| **2017-18** | | |
| 1 | Dr. A.V. Nagavani<br>Professor<br>Dept. of Agronomy | Meritorious Teacher Award |
| 2 | Dr. M.V.S. Naidu<br>Professor<br>Dept. of Soil Science and Agricultural Chemistry | State level Best Teacher |
| 3 | Dr. M.V.S. Naidu<br>Professor<br>Dept. of Soil Science and Agricultural Chemistry | Prof. Sant Singh Award |

| S. No. | Name of the Faculty | Name of the Award |
|---|---|---|
| 4 | Dr. M. Reddi Sekhar<br>Professor<br>Dept. of genetics and Plant Breeding | State level Best Teacher |
| 5 | Dr. V. Umamahesh<br>Assistant Professor<br>Dept. of Crop Physiology | Meritorious Teacher Award |
| 6 | Dr. B. Ravindra Reddy<br>Associate Professor<br>Dept. of Statistics & Comp. Applications | Best Research paper Award |
| 7 | Dr. K. Madhusudhana Reddy<br>Assistant Professor and Head<br>Dept. of Agril. Engineering | Vasantha Rao Naik award for outstanding contributions in dry-land Agriculture |
| 8 | Dr. V. Umamahesh<br>Assistant Professor<br>Dept. of Crop Physiology | Excellence in Teaching Award by SIRI, Warangal based N.G.O. |
| **2018-19** | | |
| 1 | Dr. D. Subramanyam<br>Professor<br>Dept. of Agronomy | Fellow of Indian Society of Weed Science-2017 |
| 2 | Dr. P. Bala Hussain Reddy<br>Assistant Professor<br>Dept. of Agricultural Extension | Young Scientist Award – 2018 |
| 3 | Dr. P. Sudhakar<br>Professor and Head<br>Dept. of Crop Physiology | Member Editorial committee for the Indian journal of Plant Physiology and Journal Research, ANGRAU |
| 4. | Dr. G. Prabhakar Reddy<br>Professor<br>Dept. of Genetics and Plant Breeding | State level Best Teacher Award |
| **2019-20** | | |
| 1 | Dr. V.Sumathi<br>Professor<br>Dept. of Agronomy | State level Best Teacher Award |
| 2 | Dr.V. Umamahesh<br>Associate Professor<br>Dept. of Crop Physiology | Commendation Certificate |
| 3 | Dr.M.S.V.Chalam<br>Associate Professor<br>Dept. of Entomology | Commendation Certificate |

**(b) Non-Teaching staff**

| S. No. | Name of the Staff | Name of the Award |
|---|---|---|
| **2015-16** | | |
| 1 | Sri.N.Doraswamy Naidu<br>Senior Library Assistant, | Meritorious Award |
| 2 | Sri G. Thyagaraja Naidu<br>Record Assistant<br>Dept. of Genetics and Plant Breeding | Meritorious Award |
| 3 | Smt.A.Usha Rani<br>Shelf Assistant<br>Regional Library | Meritorious Award |
| **2016-17** | | |
| 1 | Sri P. Nagaraja<br>Superintendent ,<br>Establishment Section | Meritorious Award |
| 2 | Sri C. Chandra Sekhar<br>Junior Library Assistant<br>Regional Library | Meritorious Award |
| **2017-18** | | |
| 1 | Sri L. Venkata Ramaiah<br>Senior Assistant/Steno, AD Chamber | Meritorious Award |
| 2 | Sri K. Chinna Reddenna<br>Junior Library Assistant<br>Regional Library | Meritorious Award |
| 3 | Sri K. Chenchaiah<br>Record Assistant<br>Dept. of Plant Pathology | Meritorious Award |
| 4 | Sri P. K. Gopala Krishna<br>Office Subordinate<br>Dept. of Entomology | Meritorious Award |
| **2018-19** | | |
| 1 | Sri. Sambasivaiah<br>Office Subordinate | Meritorious Award |

| S. No. | Name of the Staff | Name of the Award |
|---|---|---|
| **2019-20** | | |
| 1 | Sri A. Bala Subramanyam<br>Superintendent | Commendation Certificate |
| 2 | Smt. S. Vasantha<br>Senior Assistant | Commendation Certificate |
| 3 | Sri G. Muralikumar<br>JACT | Commendation Certificate |
| 4 | Sri V. Subramanyam<br>Office Subordinate | Commendation Certificate |

**(c) Students**

| S. No. | Name of the student | Name of Exam/Award/Medal |
|---|---|---|
| **2015-16** | | |
| 1 | A. Maneesha | B.V.Reddy Memorial Gold Medal |
| 2 | A. Maneesha | Kolla Nagabhushanamma, Gold Medal |
| 3 | B. Kesini | Puligundla Ramachandra Naidu silver Medal |
| 4 | K. Sudhamani | K.V.Ratanm Silver Medal |
| 5 | A. Kavitha Reddy | Chitturu Perraju silver Medal |
| 6 | A. Maneesha | K.Madhusudan Reddy Silver Medal |
| 7 | A. Maneesha | Jonna Subbaiah and D.V.Siva Rao Silver Medal |
| 8 | K. Bhargavi | K.Ramachandra Reddy Cash Award |
| 9 | M. Manjubhargavi | K.V.Subba Reddy Silver Medal |
| 10 | T. Bhagavatha Priya | Agricos Gold Medal |
| 11 | M. Shanthi Priya | G. Sreeramulu Memorial Gold Medal |
| 12 | M. Shanthi Priya | V. Narasimha Swamy Memorial Gold Medal |
| 13 | K. Tirumala Ravi Kiran | G.Vekatanarasamma Gold Medal |
| 14 | K. Tirumala Ravi Kiran | M.V.Subbareddy Gold Medal |
| 15 | K. Tirumala Ravi Kiran | M.Venkata Ramaiah Gold Medal |

| S. No. | Name of the student | Name of Exam/Award/Medal |
|---|---|---|
| 16 | R. Naseeruddin | C. Parameswararao Memorial Gold Medal |
| 17 | G. Siva Kumar | A.Bucheswar Rao Memorial Gold Medal |
| **2016-17** | | |
| 1 | A. Kavitha Reddy | B.V.Reddy Memorial Cash Award |
| 2 | A. Kavitha Reddy | Kola Nagabhushanamma Cash Award |
| 3 | N. Vamsidhar Reddy | Puligundla Ramachandra Naidu Cash Award |
| 4 | B. Kesini | K.V.Ratnam Cash Award |
| 5 | K. Sudhamini | Chitturu Perraju Cash Award |
| 6 | A. Kavitha Reddy | K. Madhusudhan Reddy Cash Award |
| 7 | Mr. M. Ramaiah | Jonna Subbaiah and D.V. Siva Rao Cash Award |
| 8 | A. Kavitha Reddy | K. Ramachandra Reddy Cash Award |
| 9 | Mohammad Raza | K. Subba Reddy Cash Award |
| 10 | R. Narasimhulu | Sri Vaddadi Narasimha Swamy Memorial Gold Medal |
| 11 | B. Bhargavi | Sri C. Parameswara Rao Memorial Gold Medal |
| 12 | V. Shilpakala | Sri Bucheswar Rao Memorial Gold Medal |
| 13 | V. Meena Kumari | Dr. Sridhar Rao & Mrs. Sumitra Kulkarni Memorial Gold Medal |
| 14 | Khushubu Tiwary | Sri Parisa Yanadi Memorial Gold Medal |
| 15 | Menaka Kannaian | Obtained Ph.D. admission at IARI during 2016 |
| 16 | M. Abhijith, | Qualified ICAR NET-2016 |
| 17 | M. Jahnavi, | Qualified ICAR NET-2016 |
| 18 | V. Shilpakala | Selected for Assistant Professor at ANGRAU |
| 19 | M. Jahnavi | Selected for Assistant Professor at ANGRAU |
| **2017-18** | | |
| 1 | K. Sudhaman | B. V. Reddy Memorial Cash Award |
| 2 | K. Sudhamani | Kola Nagabhushanamma Cash Award |
| 3 | D. Venkata Dinesh | Puligundla Ramachandra Naidu Cash Award |
| 4 | N. Vamsidhar Reddy | K.V. Ratnam Cash Award |

| S. No. | Name of the student | Name of Exam/Award/Medal |
|---|---|---|
| 5 | B. Kesini | Chitturu Perraju Cash Award |
| 6 | K.Sudhamani | K. Madhusudhan Reddy Cash Award |
| 7 | S.Lakshmi Prasanna | Jonna Subbaiah and D. V. Siva Rao Cash Award |
| 8 | K.Sudhamani | K. Ramachandra Reddy Cash Award |
| 9 | A.V.Parthasarathi | International English Language Testing System; Masters in Crop Science, University of Hohenheim, Germany |
| **2018-19** | | |
| Yogoda Satsanga Society of India Ranchi has conducted Written test contest for award of **ParamahansaYogananda Centenary Scholarship** for professional course students 2018-19 and the following Ist year B.Sc.(Hon.) Agriculture students were selected for the scholarship by securing first five ranks in top ten positions | | |
| **S. No.** | **Name of the student** | **Name of Exam / Award/ Medal** |
| 1 | P. Shireesha | 1st Prize, Silver medal |
| 2 | D. Niharika | 2nd prize, Silver medal |
| 3 | S. Vaishnavi | 3rd prize, Silver medal |
| 4 | T. Jayasree | Consolation prize |
| 5 | Shaik Javed | Consolation prize |
| **2019-20** | | |
| **Ph. D students selected for DST-Inspire Fellowship** | | |
| | **Name of the student** | **Department** |
| 1 | K. Sai Maheswari | Agronomy |
| 2 | A. Kavitha Reddy | Genetics and Plant Breeding |
| **Ph.D students selected for Bayer Fellowship** | | |
| | **Name of the student** | **Department** |
| 1 | K. Vijaya Lakshmi | Agronomy |
| 2 | E. Aparna | Molecular Biology and Biotechnology |
| 3 | K. Madhavi Latha | Genetics and Plant Breeding |
| 4 | S.J. Prashanthi | Agricultural Extension |
| 5 | K. Sailaja | Soil Science and Agricultural Chemistry |

| S. No. | Name of the student | Name of Exam/Award/Medal |
|---|---|---|
| **Ph.D students selected for National Fellowship for OBC** | | |
| 1 | T. Sri Chandana | National fellowship for OBC for five years |
| **M.Sc. (Ag.) students selected for Bayer Fellowship** | | |
| 1 | S. Himabindu | Genetics and Plant Breeding |
| 2 | M. Thirumala | Agronomy |
| 3 | S. Teja | Agronomy |
| 4 | B. Rajyalakshmi | Plant Pathology |

### 6.5.7.4 Employability

The curriculum for undergraduate students of B.Sc. (Ag.) is designed in such a way that the students get information and exposure to the latest technologies in the field of agriculture. The practical classes are designed in such a way to mimic the real on farm situation faced by the farmers. Frequent field visits will let the students to have direct face to face contact with the farmers and experience the practical problems faced by the farmers in terms of crop production, crop protection, marketing and other related aspects.

In the final year, the students will be allowed to stay in the villages for a period of 4-5 months where they will be disseminating the knowledge and skills learned in the colleges to the farmers and will be getting feedback on the recent problems faced by the farmers. The students will be having on farm experience with the farmers.

The final year students will also be undergoing hands on training under Experiential Learning Program (ELP) for six months in different aspects of agriculture such as seed production, value addition of millets, pulses, vegetables and fruits, production of compost and vermicompost, commercial production of mulberry silkworm and mushroom production. This hands on training will transform the students from job seekers to job providers and to become entrepreneurs. The students will be learning all the aspects of entrepreneurship skills that is needed to develop their own enterprises without depending on getting jobs and will able to provide livelihood to large number of people.

Students who have completed their B.Sc. (Ag.) will be pursuing their higher studies such as M.Sc. (Ag.) and MBA and further in their career Ph.D studies. Many of the students are getting placements as Agriculture Extension Officer or Agriculture Officer in state governments, as scientists at various SAUs and national institutes such as ICAR and to maximum extent are finding placements in several agriculture based public/private/corporate, national and multinational companies.

6.5.8. SSR of the College must have the SSR of all its Degree Programmes (Following section 6.4), then the report of the Colleges shall be considered.

6.5.9. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Associate Dean, Dr. B. Ravindranatha Reddy hereby certify that the information contained in the Section 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the college, and degree awarding University.

Date: 20.1.2021

Signature of the Associate Dean & Seal

20/01/2021

ASSOCIATE DEAN
N.V. Agricultural College
TIRUPATI-517 502

*Self Study Report for Accreditation of UG Program of*

# SRI VENKATESWARA AGRICULTURAL COLLEGE
# TIRUPATI

*Entre to Learn - Leave to Serve*

ANGRAU

## ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
## LAM, GUNTUR – 522 034
## ANDHRA PRADESH

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## 6.4. Self Study report for UG program

### 6.4.1. Brief history of UG program

**ESTABLISHMENT**

Establishing the third Agricultural College at Tirupati has been a landmark in the history of Agricultural Education in Andhra Pradesh. Besides, meeting the personnel requirements of agricultural department and other technical departments of Govt. of Andhra Pradesh, the college also served as centre of Excellency in the development of trained human resources required in the field of agriculture who can serve the farmers in mitigating agriculture related potential field problems.

Sri Nukala Ram Chandra Reddy, Hon'ble Minister for Agriculture, Govt. of Andhra Pradesh laid the foundation stone for the College and hostel buildings on 27$^{th}$ October, 1961. The college is located at the foot hills of the sacred Tirumala Hills in an area sprawling over 360 acres in a serene rural setting which is quite refreshing and splendid. Initially the college was financially supported by Tirumala Tirupati Devasthanam (TTD) who had donated a sum of Rs. 4.0 lakhs and Rs. 2.0 lakh donation by Sri. Ramakrishna Raju, a philanthropist and business man, Bombay.

Sri C. Krishnamoorthy assumed charge as first Principal of S.V. agricultural College, Tirupati on May, 1962 in a temporary room in the administration building of the Sri Venkateswara University. He was later joined by other teachers in July, 1962 to impart instruction in the subjects of the second year of the degree course *viz.,* Agronomy, Botany, Chemistry and Entomology. Instruction in Engineering (Civil) was imparted at the S.V. Engineering College and Animal Husbandry at the Veterinary College, Tirupati. The field practicals were conducted in the leased farm at Avilala village near Tiruchanur.

The college which was originally affiliated to Sri Venkateswara University was later transferred to the fold of Acharya N.G. Ranga Agricultural University (Formerly Andhra Pradesh Agricultural University) in the year 1964. Sri O. Pulla Reddy, I.C.S. (Rtd.) took charge as first Vice-Chancellor of Andhra Pradesh Agricultural University on 12$^{th}$ June 1964, from when on the newly born University started making significant strides to catch up with Universities of its kind already functioning in the country. In pursuance of one of the main provisions of the Act, with effect from 10$^{th}$ July, 1964, the S. V. Agricultural College became one of the constituent Colleges of the University along with others in the State, representing the essence a break away from the traditional University pattern. The College building was formally inaugurated on 28$^{th}$ December, 1968 by Sri V.V. Giri, the then Vice- President of India.

The foundation stone for a second hostel to accommodate 240 students, of two blocks, one with single rooms and the other with three seaters, was laid by the Vice-Chancellor Sri O. Pulla Reddy, on 10th September, 1966 and was inaugurated by Sri K. Brahmananda Reddy, the then Chief Minister, Andhra Pradesh. The inauguration of these buildings marked a definite stage in the growth of this institution. It had by now acquired not only most of the physical facilities required for implementing the Under-graduate teaching programme but had also developed to such an extent as to press its claims for the institution of post-graduate programmes in several disciplines.

### 6.4.2. Faculty

**Faculty Strength**

| S. No. | Department | Sanctioned | | | In-position | | | Vacancy |
|---|---|---|---|---|---|---|---|---|
| | | Prof. | Assoc. Prof. | Asst. Prof. | Prof. | Assoc. Prof. | Asst. Prof. | |
| 1 | Agronomy | 01 | 01 | 09 | 01 | 01 | 08 | 01 |
| 2 | Genetics and Plant Breeding | 01 | 01 | 05 | 01 | 01 | 05 | -- |
| 3 | Soil Science and Agricultural Chemistry | -- | 01 | 08 | -- | 01 | 07 | 01 |
| 4 | Entomology | 01 | 01 | 05 | 01 | 01 | 04 | 01 |
| 5 | Plant Pathology | 01 | 01 | 03 | 01 | 01 | 03 | -- |
| 6 | Crop Physiology | -- | 01 | 03 | -- | -- | 03 | 01 |
| 7 | Agriculture Engineering | -- | 01 | 06 | -- | -- | 06 | 01 |
| 8 | Horticulture | -- | 01 | 01 | -- | 01 | 01 | -- |
| 9 | Agriculture Economics | -- | 01 | 05 | -- | -- | 04 | 02 |
| 10 | MBA (Agribusiness Management) | -- | -- | -- | -- | -- | -- | -- |
| 11 | Agriculture Extension | 01 | 01 | 03 | 01 | 01 | 03 | -- |
| 12 | Statistics and Computer Applications | -- | -- | 03 | -- | -- | 03 | -- |
| 13 | English | -- | -- | 02 | -- | -- | 02 | -- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 14 | Library | -- | -- | 01 | -- | -- | 01 | -- |
| 15 | Physical Education | -- | -- | 01 | -- | -- | 01 | -- |
| 16 | College Farm | -- | -- | 01 | -- | -- | 01 | -- |
| | | **05** | **10** | **56** | **05** | **07** | **52** | **07** |

### 6.4.3. Technical and Supporting Staff

The Technical and Supporting Staff working in different Departments are highly experienced and skill oriented persons to carryout the field practicals, preparation of laboratory reagents and other works related to practicals.

| **Technical and supporting staff** | **Name of the staff** |
|---|---|
| **Department of Agronomy** | |
| Record Assistants | A. Sudhakar |
| | K. Rajagopal |
| | K. Muralikrishna |
| Office subordinates | M. Venkatramaiah |
| | N. Gangaiah |
| | G. Devaki |
| **Department of Genetics and Plant Breeding** | |
| Record Assistants | G. Ramesh |
| | G. Thyagaraja Naidu |
| | P. Venkata Lakshmi |
| Office subordinates | T. Muniratnam |
| **Department of Soil Science and Agricultural Chemistry** | |
| Record Assistants | V. Ghousia Parveen |
| | E. Babu |
| | P. Muni Krishnaiah |
| | C. Lakshmi |
| Office subordinates | D. Varalu |
| | B. Jyothi |
| **Department of Entomology** | |
| Record Assistants | M. Venkatesh |
| | P. Purushotham |
| | K. Anjaneya Prasad |
| | T. Anamdaiah |
| Office subordinates | B. Pushpamma |
| **Department of Plant Pathology** | |
| Record Assistants | C. Ravindra Babu |

| | |
|---|---|
| | P. Muni Ram |
| Office subordinates | Rajeswari |
| **Department of Crop Physiology** | |
| Record Assistants | K Damodhar Reddy |
| | P Maheswari |
| **Technical and supporting staff** | **Name of the staff** |
| Office subordinates | M Sudhakar |
| | A Chenchemma |
| **Department of Agricultural Engineering** | |
| Record Assistants | K. Venu Gopal |
| Office subordinates | B. Rajendra |
| **Department of Horticulture** | |
| Record Assistants | T. Munaswamy |
| | D. Munikrishnaiah |
| Office subordinates | M. Parvathi |
| **Department of Agricultural Economics** | |
| Record Assistants | Sri. M. Thulasi Ram Reddy |
| Office subordinates | Smt. C. Chandramma |
| **Institute of Agribusiness Management** | |
| Record Assistant | K. Ramesh |
| | D. Munuswamy |
| | P. Muni Ram |
| | M. Prasad |
| | M. Prasad |
| | K. Sree Vani |
| Office subordinate | L. Krishnayya |
| **Department of Agricultural Extension** | |
| Record Assistant | G. Nagaraju |
| Office subordinate | P. Muni Krishnaian |
| **Department of Statistics and Computer Applications** | |
| Record Assistants | G. Rajendra |
| Office subordinates | K. Nagarathna |
| **Regional Library** | |
| Senior Library Assistant | Sri K. Chinna Reddanna |
| Junior Library Assistant | Sri C. Chandra Sekhar |
| | Smt. A. Usha Rani |
| Shelf Assistant | VACANT (4) |
| Record Assistant | Sri. P. Mhaboob Basha |

| | |
|---|---|
| Junior Binder | Outsourcing |
| Xerox Operator | Outsourcing |
| Office Subordinate | P. Mallika |

### 6.4.4. Laboratories, Instructional farms, Workshops, Dairy plant, Veterinary Clinic, Hatchery, ponds etc.

**Class rooms**

The college is having six class rooms with a capacity of 100 students for taking UG theory classes.

**Laboratories**

The details of laboratories and related equipments used for practical classes for under graduate and post graduate students of different disciplines is as follows

**1. Department of Agronomy**

The department has one UG laboratory that can accommodate 60 students for UG practicals. The department also have instructional farm for conducting UG practicals classes.

**2. Department of Genetics and Plant Breeding**

The department has one laboratory which can accommodate around 50 students and is provided with audio visual aids for power point presentation and UG students class seminars.

**3. Department of Soil Science and Agricultural Chemistry**

The department has two UG laboratories that can accommodate around 70 students to carry out their practicals. The lab comprises of Distillation unit, Water bath and Muffle furnace.

**4. Department of Entomology**

The department has one UG laboratory which can accommodate around 50 students. The lab benches are fixed with light source and plug adopters so as to facilitate use of microscopes during dissections and observation of various parts and stages of insects. The lab is also provided with audio visual aids with UPS backup for uninterrupted power supply during power point presentation and UG student seminars.

**5. Department of Plant Pathology**

The department has one UG laboratory with a seating capacity of 50 students. The lab benches are fixed with light source and plug adopters so as to facilitate use of microscopes during dissections and observation of various parts and structures of plant pathogens. The lab is also provided with audio visual aids with inverter for uninterrupted power supply practical class, power point presentation and UG students seminars.

## 6. Department of Crop Physiology

The department has one UG laboratory which can accommodate around 50 students. The lab benches are fixed with light source and plug adopters so as to facilitate use of microscopes during section cuttings and observation of various parts of plants. The lab is also provided with audio visual aids with UPS backup for uninterrupted practical class, power point presentations and UG students seminars.

## 7. Department of Agricultural Extension

The department has one UG classroom with a seating capacity for 30 students and provided with audio visual aids for taking classes.

## 8. Department of Horticulture

The department has one UG laboratory with a seating capacity of 50 students provided with audio visual aids for conducting classes.

| **Equipment/Facility** | **Purpose/Usage** |
|---|---|
| Digital electronic balance | For weighing chemicals (up to 1 mg) used for UG practical classes and ELP |
| Mixer cum fruit juicer | For juice extraction for UG practical classes and ELP |
| Fruit Pulper | Used for fruit juice extraction for ELP unit and UG practical classes |
| Hand refractometer | To check the TSS content of fruits, vegetables and their products |
| Penetrometer | To check fruit firmness |
| Sealing machine | To seal the plastic covers |
| Refrigerator | To store the fruit and vegetable products |
| Freezer | To store the fruit and vegetable products |
| Slide projector | To show specimen for UG Practical classes |
| Net house | For conducting UG practical classes |

### 9. Department of Statistics and Computer Applications

The department has one UG laboratory that can accommodate around 25 students and has 25 Desktop systems for student practicals. The laboratory is facilitated with audio visual aids for taking classes effectively.

### 10. Department of Agricultural Engineering

The department has two UG workshops housed with various implements, machinery etc. for carrying out the practical classes for UG students.

### 6.4.5. Conduct of Practical and Hands on Training

**Dept. of Agronomy**

During the B.Sc. (Hons.) Agriculture programme, the students will be imparted practical knowledge and hands on training in different courses offered in the Department of Agronomy. In Crop Production course, the students will be allotted crops and each one has to raise a crop by involving him/herself in carrying out the various operations which includes land preparation, layout of plots, levelling, forming irrigation channels, bund formation, sowing, thinning, gap filling, fertilizer application, weeding, recording biometric observations, irrigation, harvesting, drying, threshing, winnowing and cleaning of produce. Student Ready Programme (Rural Entrepreneurship Awareness Development Yojana) is taken up by the students in the final year which mainly aims to provide hands on experience in real life situation in rural agriculture and creates awareness to UG students about practical agriculture and allied sciences. The programme will help in building confidence, skill and acquire Indigenous Technical Knowledge (ITK) of the locality and thereby, preparing the pass out for self employment.

**Dept. of Genetics and Plant Breeding**

In Department of Genetics and Plant Breeding, during the course, the students were practically involved in getting acquaintance with problems on Genetics and their interpretation, cytological studies by microscopy, real time practice of hybridization techniques in various crops and study of floral structure and anthesis of crops in the field plots. Students were taken on study tours to nearby Research stations where they will be interacting with Scientists on latest developments.

**Dept. of Plant physiology**

In Department of Plant Physiology, the courses *viz.,* introductory biology and Ecophysiology will help the students to understand the various physiological processes of the plants. Further, the pot culture experiments on latest technology are taken up in greenhouse lab. The laboratory is well furnished with almost all the latest equipment that are put to use by both the UG and PG students in practicals and for their research work.

**Dept. of Entomology**

In the Department of Entomology in the under graduate programme hands on experience is given on identification of various groups of insects such as pests, predators, parasitoids, beneficial insects etc. Expert training is also provided to students to identify various Orders and Families of Insects based on morphological and taxonomic characters. Each student is given an opportunity to acquaint themselves with insects by means of practices such as insect collection and submission, collection and rearing of crop pest life cycles, dissection of various systems such as mouth parts, digestive system, reproductive system, nervous system etc. During final year in the Commercial Entomology module of student ready programme, students were given hands on experience on rearing and maintenance of insects such as silk worms, honey bees and parasitoids apart from marinating vermi compost unit.

**Dept. of Plant Pathology**

The Department of Plant Pathology maintains a good collection of wet preserved diseased specimens as and when disease appears in the field for exhibiting the same to the students. In the courses, fundamentals of plant pathology-I & II, the students were exposed to view morphological features of sporangia, sporangiophore, conidia and conidiophores of various pathogens covering major fungi, morphology of bacterial cells through staining. Media for isolation of fungi and bacteria is prepared by students, which in turn is used to isolate fungal and bacterial plant pathogens. In the courses, diseases of field and horticultural crops and their management-I & II, the students are taken to field visits in order to show live symptoms in the field and make them identify the diseases.

**Dept. of Horticulture**

In the Department of Horticulture during the under graduate course students are taught about basic methods of raising various nurseries such as grafting, cutting, layering etc, methods propagation, training and pruning, fertilizer application, in various horticultural crops such as fruit crops, flower plants, vegetables etc. In student ready progarmme hands on training is given on preparation of juices, jams, jellies, marmalades, etc.

**Dept. of Soil science**

In the Department of Soil Science and Agricultural Chemistry during UG courses in each practical class, students are taught about theory of practical exercise such as aim, principle, apparatus required, reagents preparation, procedure, observations and calculations. Later students are taken to the laboratory where individually given hands on experience to do the practical exercise themselves. In case of GIS lab practicals, students are allowed to register and geo-reference the topo sheet in ARC-GIS and also some of the students are allowed to record by themselves the longitude, latitude and altitude data using GPS (Global Positioning System).

**Dept. of Agricultural Engineering**

In Department of Agricultural Engineering, under graduate course students are taught about different techniques in soil and water conservation, water harvesting techniques, different types of micro irrigation methods, different types of farm machinery etc. Hands on experience is given on operation of farm machinery, use of non conventional forms of energy, controlling of green house atmosphere for profitable crop production, etc.

**Dept. of Agricultural Economics**

In the department of Agricultural Economics, during the practical classes, UG students are taken to field visits *viz.,* warehousing corporations, cooperative institutions, regional rural banks, farm visits, nearby industries, etc. They are also taken to nearby villages to collect information on crops grown, livestock information, assets, loans taken from institutional and non institutional sources, material purchase information, etc., and the collected information will be used in the preparation of enterprise budget and financial statements.

**Dept. of Agricultural Extension**

The students at UG program level are taught about rural sociology, basic socio economic status of farmers, various farmers related activities being organized by the Govt. agencies. The students will also be acquainted with various community developmental programs and important activities such as National Agricultural Technology Project initiated by Ministry of Agriculture, Govt. of India with the financial assistance of World Bank.

**Dept. of Statistics and Computer Application**

The Department of Statistics and Computer Applications has well equipped lab with computers to conduct the practical classes for UG and PG programme.

### 6.4.7. Feedback of stakeholders

**Student-teacher council meeting**

A student teacher counsel is constituted representing students from each year of UG, M.Sc. and Ph.D covering various categories (grade point toppers, students from OC, BC, SC and ST). The Associate Dean is the chairman of the council with Officer-In charge of Student Activities (OSA) as the convener, Officer In charge- Academic Matters (UG & PG), Wardens (Boys and Girls), Officer In charge- Placement Cell, NSS, NCC programme officers, Physical Education Director, Administrative Officer as permanent members and any three Professor and Head of the departments as members on rotation basis. The council is the apex level body in college to discuss and finalize all the matters related to students (Curricular and Extra Curricular). These teacher-student council meetings are held once in three months to address the issues faced by the students in academic and non-academic related matters. The issues addressed by the students are documented and action taken will be discussed in the forthcoming meetings.

**AMS (Academic Management System)**

The college as **AMS (Academic Management System)** which automates various academic processes of the University and in a way to enhance the efficiency of the system by saving time and efforts involved in manual processes. The data generated by the system is used for generating the reports at the national agriculture portal by aggregating the data from various State Agriculture Universities. AMS is being implemented under NAHEP Component-II of ICAR.

The system has following sub modules:

- Courses Management
- Student Management

- Faculty Management
- Administration Management
- E-Learning
- Online fee collection

Both the students and staff have to enroll themselves as members of AMS. The course curriculum content, information [illegible]ng credentials and academic qualifications, performance of the staff and detai[illegible] the students is entered in to the system. This increases efficiency and transparency of working in the academic related matters. Presently all the teaching staff and first year students of UG, M.Sc. (Ag.) and Ph.D have enrolled themselves in AMS portal.

### 6.4.8. Student Intake and Attrition

### i) Under Graduate Programme – B.Sc. (Hons.) Agriculture

| Name of the Degree Program | Actual student admitted in last five years | | | | | Attrition Percentage (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **2015** | **2016** | **2017** | **2018** | **2019** | **2015** | **2016** | **2017** | **2018** | **2019** |
| UG program | 134 | 176 | 175 | 177 | 195 | 2.23 | 4.54 | 4.00 | 2.26 | 1.02 |

### 6.4.9. ICT application in curricula delivery

All the departments are equipped with pc connected projector for ppt presentation. The departments are also connected with high speed broad band connection. Online classes are being held for UG programs on different platforms. These facilities are being utilised by both the faculty and students.

The college is also maintaining its own website https://svagcollege.org/ which regularly updates information for both the students and faculty.

6.4.12

## CERTIFICATE

I, the Associate Dean, Dr. B. Ravindranatha Reddy hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding University.

Date: 20.1.2021

Signature of the Associate Dean & Seal

*Self Study Report for Accreditation of M.Sc. Program of*

# SRI VENKATESWARA AGRICULTURAL COLLEGE
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## LAM, GUNTUR – 522 034

## ANDHRA PRADESH

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## 6.4. Self Study report for the M.Sc. program

### 6.4.1. Brief history of M.Sc. programs

**ESTABLISHMENT**

Consequent to the report of the Commission headed by Dr. G. Rangaswamy, Dean, University of Agricultural Sciences, Bangalore, a decision was taken to start the programme of Post-Graduate instruction of the off-campus Colleges at Tirupati and Bapatla with effect from the academic year 1968-69. Post graduate programme with Horticulture as the major field was introduced in 1968-69 followed by Agronomy in 1969-70.

M.Sc. (Ag.) course of two year duration was introduced in a phased manner in ten disciplines *i.e.*

| | | |
|---|---|---|
| Horticulture | - | 1968-69 |
| Agronomy | - | 1969-70 |
| Plant Pathology | - | 1972-73 |
| Extension Education | - | 1976-77 |
| Genetics and Plant Breeding | - | 1982-83, |
| Entomology | - | 1982-83 |
| Agriculture Economics | - | 1984-85 |
| Soil Science and Agricultural Chemistry | - | 1984-85 |
| Plant Physiology | - | 1985-86 |
| Statistics and Computer Applications | - | 2009-10 |

Later in 2008, a course on Agribusiness Management was introduced with the establishment of Department of Agribusiness Management at S.V. Agricultural College, Tirupati to build core management expertise among the technically competent agricultural and allied graduates by imparting managerial and entrepreneurial skills so as to work in a dynamic business environment.

The college was shaped in due course of time by providing a spacious building for laboratories and class rooms for each department. So far, a total of 1217 students in M.Sc. (Ag.) programmes, have passed out and are occupying higher and prestigious position in different public and private National and International organizations.

Department of Molecular Biology and Biotechnology was started at S.V. Agricultural College, Tirupati during 2015 to support M.Sc. and Ph. D. Research work in the field of Agriculture. So far eleven M.Sc. students have obtained their degrees from the department.

### 6.4.2. Faculty strength

| S. No. | Department | Sanctioned | | | In-position | | | Vacancy |
|---|---|---|---|---|---|---|---|---|
| | | Prof. | Assoc. Prof. | Asst. Prof. | Prof. | Assoc. Prof. | Asst. Prof. | |
| 1 | Agronomy | 01 | 01 | 09 | 01 | 01 | 08 | 01 |
| 2 | Genetics and Plant Breeding | 01 | 01 | 05 | 01 | 01 | 05 | -- |
| 3 | Soil Science and Agricultural Chemistry | -- | 01 | 08 | -- | 01 | 07 | 01 |
| 4 | Entomology | 01 | 01 | 05 | 01 | 01 | 04 | 01 |
| 5 | Plant Pathology | 01 | 01 | 03 | 01 | 01 | 03 | -- |
| 6 | Crop Physiology | -- | 01 | 03 | -- | -- | 03 | 01 |
| 7 | Agriculture Engineering | -- | 01 | 06 | -- | -- | 06 | 01 |
| 8 | Horticulture | -- | 01 | 01 | -- | 01 | 01 | -- |
| 9 | Agriculture Economics | -- | 01 | 05 | -- | -- | 04 | 02 |
| 10 | MBA (Agribusiness Management) | -- | -- | -- | -- | -- | -- | -- |
| 11 | Agriculture Extension | 01 | 01 | 03 | 01 | 01 | 03 | -- |
| 12 | Statistics and Computer Applications | -- | -- | 03 | -- | -- | 03 | -- |
| 13 | English | -- | -- | 02 | -- | -- | 02 | -- |
| 14 | Library | -- | -- | 01 | -- | -- | 01 | -- |
| 15 | Physical Education | -- | -- | 01 | -- | -- | 01 | -- |
| 16 | College Farm | -- | -- | 01 | -- | -- | 01 | -- |
| | | **05** | **10** | **56** | **05** | **07** | **52** | **07** |

### 6.4.3. Technical and Supporting Staff

The Technical and Supporting Staff working in different Departments are highly experienced and skill oriented persons to carryout the filed practicals, preparation of laboratory reagents and other works related to practicals.

| Technical and supporting staff | Name of the staff |
|---|---|
| **Department of Agronomy** | |
| Record Assistants | A. Sudhakar |
| | K. Rajagopal |
| | K. Muralikrishna |
| Office subordinates | M. Venkatramaiah |
| | N. Gangaiah |
| | G. Devaki |
| **Department of Genetics and Plant Breeding** | |
| Record Assistants | G. Ramesh |
| | G. Thyagaraja Naidu |
| | P. Venkata Lakshmi |
| Office subordinates | T. Muniratnam |
| **Department of Soil Science and Agricultural Chemistry** | |
| Record Assistants | V. Ghousia Parveen |
| | E. Babu |
| | P. Muni Krishnaiah |
| | C. Lakshmi |
| Office subordinates | D. Varalu |
| | B. Jyothi |
| **Department of Entomology** | |
| Record Assistants | M. Venkatesh |
| | P. Purushotham |
| | K. Anjaneya Prasad |
| | T. Anamdaiah |
| Office subordinates | B. Pushpamma |
| **Department of Plant Pathology** | |
| Record Assistants | C. Ravindra Babu |
| | P. Muni Ram |
| Office subordinates | Rajeswari |
| **Department of Crop Physiology** | |
| Record Assistants | K Damodhar Reddy |
| | P Maheswari |
| **Technical and supporting staff** | **Name of the staff** |

| | |
|---|---|
| Office subordinates | M Sudhakar |
| | A Chenchemma |
| **Department of Agricultural Engineering** | |
| Record Assistants | K. Venu Gopal |
| Office subordinates | B. Rajendra |
| **Department of Horticulture** | |
| Record Assistants | T. Munaswamy |
| | D. Munikrishnaiah |
| Office subordinates | M. Parvathi |
| **Department of Agricultural Economics** | |
| Record Assistants | Sri. M. Thulasi Ram Reddy |
| Office subordinates | Smt. C. Chandramma |
| **Institute of Agribusiness Management** | |
| Record Assistant | K. Ramesh |
| | D. Munuswamy |
| | P. Muni Ram |
| | M. Prasad |
| | M. Prasad |
| | K. Sree Vani |
| Office subordinate | L. Krishnayya |
| **Department of Agricultural Extension** | |
| Record Assistant | G. Nagaraju |
| Office subordinate | P. Muni Krishnaian |
| **Department of Statistics and Computer Applications** | |
| Record Assistants | G. Rajendra |
| Office subordinates | K. Nagarathna |
| **Regional Library** | |
| Senior Library Assistant | Sri K. Chinna Reddanna |
| Junior Library Assistant | Sri C. Chandra Sekhar |
| | Smt. A. Usha Rani |
| Shelf Assistant | VACANT (4) |
| Record Assistant | Sri. P. Mhaboob Basha |
| Junior Binder | Outsourcing |
| Xerox Operator | Outsourcing |
| Office Subordinate | P. Mallika |

### 6.4.4. Class rooms and Laboratories

**1. Department of Agronomy**

The department has one seminar hall and a PG laboratory. The seminar hall can accommodate about 120 delegates and is fitted with air conditioners and audio visual aids with UPS backup for uninterrupted power supply, which can host seminars, workshop, conferences etc. successfully.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Pressure plate apparatus | For estimation of soil and leaf water potential |
| Leaf area meter | For calculating the leaf area of experimental material |
| Root scanner with accessories | For estimation root surface area of the experimental material |
| Automatic nitrogen analyser (KEL PLUS) | For estimation of nitrogen and protein content in the plant and soil samples |
| Flame photo meter | For determination of potassium content in the soil and plant samples |
| Hot air oven | For drying of plant, soil and weed samples |
| PAR ceptometer canopy analyser | For estimation of PAR |
| Net solar radiometer | For recording amount of solar radiation reflected from the surface |
| Tensiometer | For estimation of soil moisture tension |
| Infrared moisture balance | Fore estimation of soil moisture content |
| Digital electronic balance | For weighing chemicals used for various PG and Ph.D experiments |
| Rice husker cum polisher | For dehusking and polishing of rice for experimental purpose |
| Green house facility | For conducting pot house and green house experiments |

## 2. Department of Genetics and Plant Breeding

The department has one PG laboratory with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Laminar air flow | For preparation of media during Tissue culture practicals |
| Microscopes | For microscopic observation of mitosis and meiosis stages during UG and PG practical |
| Seed storage visi coolers | For short term storage of the seed samples |
| Autoclave | For sterilization of glassware and plastic ware to be used in molecular biology |
| Hot air oven | For drying of seed samples and glassware |
| Refrigerators | For storing all working solutions for PCR and DNA isolation. |
| Horizontal gel electrophoresis unit with power pack | For separation of PCR products |
| Vertical gel electrophoresis unit with power pack | For high resolution separation of PCR fragments and protein separation |
| Micro ovens | For dissolving of agarose and other chemicals |
| 6.0 KV UPS | For maintaining continuous power supply for all the equipments present in PG and Ph.D laboratory |
| Digital electronic balance | For weighing chemicals used for various PG and Ph.D experiments up to 1 mg |
| Water bath | For incubation of leaf samples during DNA isolation |
| Refrigerated centrifuge | For precipitation of DNA |

### 3. Department of Soil Science and Agricultural Chemistry

The department has two PG laboratories with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Atomic Absorption Spectrophotometer | To estimate the micronutrients and heavy metals in soil, plant and water samples |
| UV-Visible Spectrophotometer | To determine Phosphorous and Sulphur from soil, plant and water samples |
| | To determine soil enzymes such as urease, phosphatases, dehydrogenases, etc. |
| Flame photo meter | To estimate Sodium and Potassium concentrations in soil, plant and water samples |
| BOD incubator | To incubate soil samples at fixed temperatures for determination of population of microorganisms and soil enzymes |
| Remi-centrifuge | To centrifuge the samples at required rpm |
| pH meter | To read the pH in samples of soil and water |
| EC meter | To know the conductivity of the soil and water samples |
| Refrigerator | To store the chemicals and samples |
| KEL-PLUS Unit | For digestion and distillation of soil and plant samples to estimate Nitrogen |

## 4. Department of Entomology

The department has one PG laboratory with following equipments to carryout post graduate students research

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Olympus trinocular stereo zoom microscope with camera and image analysis software | For taking digital images of various life stages of insects and plant samples up to micrometer level |
| Research microscope with built in halogen illumination with eye piece 3/5/10/15 x and objective 5/10/45/100 x magnification | For viewing different parts of insects and plant species |
| Digital colony counter | For counting bacterial and fungal spore |
| Equitron BOD incubator | For maintaining cultures of bio pathogens and to carry out experiments at stable temperature and humidity |
| Portable autoclave of 16 litres capacity | For sterilization of materials used for insect pathology experiments |
| Hot air oven | For drying of insect specimens used for taxonomy studies and taking dry weight of insect and plant samples |
| Mini rotary shakers RS-12 plus clamps | For culturing microorganisms |
| 50 mm thick RCC pre coated with work benches | For pot culturing plants used for greenhouse experiments |
| Potters tower sprayer | For Insecticide Resistance studies. The technical grade insecticide will be dissolved in acetone and administered in to the Potters tower that will give a uniform spray onto the insects underneath used in detection of insecticide resistance |
| 10.0 KVA/196 V De online system | For maintaining continuous power supply for all the equipments present in PG and Ph.D laboratory |
| Digital electronic balance | For weighing chemicals used for various PG and Ph.D experiments up to 1 mg |
| Net house | For conducting pot house and green house experiments |

## 5. Department of Plant Pathology

The department has one PG laboratory with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Magnus monocular microscopes | For observing plant pathogens for scraping and dissections |
| Olympus monocular microscopes | |
| LCD Projector (NECVT 590 G) and Sony | For demonstrating practicals to UG students |
| Amaron 650 VA Inverter | For backup for microscopy |
| Laminar air flow cabinet (Alpha) | For demonstrating practicals to UG students |
| Digital bacterial colony counter LAPIZ model | For counting microbial colonies |
| Hot air oven (Technico) | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| Equitron BOD incubator | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Portable automatic autoclave (Equitron) | For moist heat sterilization of materials used for pathology experiments |
| Microwave oven (Samsung) | For boiling water/ melting solid culture media |
| Orbital shaking incubator (REMI) | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Hot air oven (Small size) | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| Autoclave vertical | For moist heat sterilization of materials used for pathology experiments |
| Sensitive balance (ATCO) | For weighing up to 1 mg |
| Orbital shaker | For shaking the culture |
| Fermentor | For preparation of talc based bio control formulations |

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Binocular research microscope with phase contrast equipment (LABOMED) | For taking digital images of various life stages of microbes and up to micrometer level |
| Microscope with camera attachment | |
| Image pad ultra I 500 with microscope EX3030 (Accuscope) | |
| Magnus zoom stereo binocular microscope | |
| CX-41 trinocular Microscope | |
| Canon DSLR Camera | For taking research photographs |
| Refrigerated micro centrifuge | For isolation of DNA from microbes and samples for molecular research |
| CM-12 Plus compact bench top cooling micro centrifuge | |
| R-12 Plus micro centrifuge with accessories | |
| Cooling centrifuge | |
| PCR machine (Master cycler gradient) | For amplifying DNA segments |
| Laminar air flow cabinets (Technico) | For maintenance of aseptic conditions |
| Biorad make mini protean tetra cell | For running electrophoresis |
| PCR machine (Takura) | For amplifying DNA segments |
| GEL-DOC | For taking photographs of electrophoresis gels with software in desktop |
| Dell Vostro Desktop | |
| Horizontal electrophoresis WIPRO GE | For variability studies of isolates |
| Power supply for Electrophoresis unit WIPRO GE | For power supply to electrophoresis unit |
| Horizontal Laminar air flow (alpha) | For maintenance of aseptic conditions |
| Printer for Automatic cyberlab ELISA–ROI microplate reader | For detection of plant viruses |

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Cyberlab ELISA Reader-ROI | For taking observations on plant viral load |
| Genei Electrophoresis unit | For variability studies of isolates |
| Deep freezer (vertical) | For preserving cultures at -20°C |
| BOD Incubator (Equitron) | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Laminar air flow chamber Horizontal | For moist heat sterilization of culture media |
| RIA Laminar air Flow cabinet | For maintenance of aseptic conditions |
| KEMI Hot Air Oven | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| RIA BOD Incubator | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Cooling Incubator model | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Western freezer 500 ltrs | For preserving mushroom cultures at -20°C |
| Deep freezer | For preserving mushroom cultures at -20°C |
| Yorco humidifier | For maintaining humidity |
| Stabilizer (Servo) | For maintaining constant power to the incubator |
| Sony steel open racks | For keeping mushroom beds |
| Air conditioners | For maintaining cooling temperatures for mushrooms |
| Autoclave tripple | For moist heat sterilization of sorghum grains, straw |
| Electronic balance | For weighing chemicals less than 1 mg |
| pH meter | For determining pH of the solutions |
| Refrigerator | For processing mushroom recipes |

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Water purifier | |
| Micro oven | |
| Weighing balance | For weighing of harvested mushrooms |
| Sealing machine | For packing mushrooms |
| Foot sprayer | For disinfecting mushroom sheds |
| Hand sprayer | |
| Mushroom sheds | For raising mushroom |
| Chaff cutting machine 2 HP motor | For cutting straw for mushroom beds |
| Chaff cutting machine 1 HP motor | |
| Smart class room | For interactive learning by the PG students through presentations with special effects |
| Laminar air flow chambers | For maintenance of aseptic conditions |
| BOD incubator | For moist heat sterilization of culture media |
| Vertical autoclave | |
| Hot air oven (Dalal) | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| Deep freezer (340 ltrs ) | For preserving cultures at -20°C |
| Spectrum BOD Incubator | For moist heat sterilization of culture media |

## 6. Department of Crop Physiology

The department has one PG laboratory with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Compound microscopes | Used in UG Practical for taking section cuttings of different parts of plants |
| Seed germinator | Used for UG and PG research. These create an environment in which light, humidity and temperature are controlled to provide optimum conditions for the germination of seeds |
| Laminar air flow chamber | To carry tissue culture UG and PG practicals |
| Deep freezer (- 20°C) | To store the plant samples |
| Water bath | To heat the leaf samples for enzymatic analysis |
| Hot air oven | For drying plant samples to get dry weights for deriving growth analysis |
| Cooling centrifuge | For enzymatic analysis |
| Infrared thermometer | For measuring leaf temperatures in abiotic stress experiments |
| Double distillation water unit | To have distilled water for all the nutrient and enzymatic analysis |
| Soxhlet apparatus | To estimate oil (lipids) from seed |
| Digital electronic balance | For weighing chemicals used for various UG, PG and Ph.D experiments up to 1 mg |
| Spectrophotometer | For measuring absorbance in enzymatic analysis |
| Plant growth chamber | Used for various UG, PG and Ph.D experiments |
| Leaf area meter | For measuring leaf area of the plant samples used for various UG, PG and Ph.D experiments |
| Microwave oven | For media preparation used in tissue culture experiments |

| PG laboratory | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Rotary vacuum evaporator | Used in hormonal analysis |
| IRGA (Infra Red Gas Analyzer) | To measure the gas exchange in plants in various UG, PG and Ph.D experiments |
| SPAD (Soil Plant Analysis Development) | To measure the greenness of leaves in various UG, PG and Ph.D experiments |
| LUX meter | To measure the light intensity in various UG, PG and Ph.D experiments |
| Lysimeter | Used for UG practical |
| Glasshouse | The department also has a glass house facility to carry the PG pot culture research. Within the glass house there is a separate chamber to carry the research on effect of elevated $CO_2$ on crop growth and development |

**7. Department of Agricultural Extension**

The department has one PG classroom with a seating capacity for 30 students and provided with audio visual aids for taking classes.

**8. Department of Agricultural Economics**

The department has one computer lab with a seating capacity of 30 students. The lab is equipped with computers to carry out various practical classes with UPS backup.

| PG laboratory | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Computers | For conducting practical exercises especially production functions, linear programming technique, Price behavior of various crops and price forecasting techniques using SPSS, Solver, New Markov and R |

**9. Department of Statistics and Computer Applications**

The department has one PG laboratory that can accommodate around 25 students and has 25 Desktop systems for student practicals. The laboratory is facilitated with audio

**10. Institute of Agribusiness Management**

The department has one mini conference hall which is used for conducting practical classes with interactive sessions for MBA (ABM) students for enhancing skills in public speaking, presentation, group discussions, brainstorming activities, etc. The Mini conference hall is equipped with Audio visual aids such as roof mounted projection system, wireless conferencing device, wireless public addressing system with ahuja amplifier and sound system for best conferencing experience.

**6.4.5. Conduct of Practical and hands on training**

**Dept. of Agronomy**

In Post Graduate Programme, the students will be equipped with latest technology related to various agronomic aspects like current trends in agriculture, modern concepts in crop production, advances in weed management, irrigation water management, farming systems, soil fertility and nutrient management, integrated farming systems, etc.

**Dept. of Genetics and Plant Breeding**

In Department of Genetics and Plant Breeding, during Post Graduate Programme hands on training is given on seed sampling, seed tests and seed purity tests, cytological studies in various crops, Cell biology and Molecular biology techniques, Bioinformatic techniques step wise procedure of data analyses with experimental data. Exposure visits were also arranged for the students to get well versed with hybrid seed production and seed processing units.

**Dept. of Plant physiology**

In Department of Plant Physiology, all the advanced courses in the field of physiology will be dealt for both M.Sc. and PhD students. The laboratory is well furnished with almost all the latest equipment that are put to use by PG students in practicals and for their research work.

**Dept. of Entomology**

In the Department of Entomology during the post graduate programme hands on training is given on physiology of insects, taxonomic identification of insets, interaction of insects with the surrounding environment, commercially exploited insects, studies on host plant resistance , host plant interaction, evaluation of insecticide toxicity with the help of micro applicator, Potter's tower sprayer etc. Training will also be given on various entomopathogens , evaluation of their efficacy on major insect pest of agricultural and horticultural crops.

**Dept. of Plant Pathology**

The Department of Plant pathology, in Post Graduate Programme, the students will be given hands on training on identification and measurement of

various pathogen structures using advanced trinocular microscopes, isolation and inducing sporulation in fungi is taught in mycology and advanced mycology courses, virus transmission studies by sap, different insects, studies on physical properties of viruses are conducted, detection of viral and bacterial pathogens by ELISA, PCR, gel electrophoresis, different biochemical tests are performed by students in virology, advanced virology, bacteriology and advanced bacteriology courses.

**Dept. of Soil science**

In the Department of Soil Science and Agricultural Chemistry during PG courses in each practical class, students are taught about theory of practical exercise such as aim, principle, apparatus required, reagents preparation, procedure, observations and calculations. Later students are taken to the laboratory where individually given hands on experience to do the practical exercise themselves. In case of GIS lab practicals, students are allowed to register and geo-reference the topo sheet in ARC-GIS and also some of the students are allowed to record by themselves the longitude, latitude and altitude data using GPS (Global Positioning System).

**Dept. of Agricultural Economics** 37

In the department of Agricultural Economics for PG students, classes are organized in the computer lab where they are exposed to various methods of analysis using statistical packages like SPSS, Solver, New Markov and 'R' to solve the problem of production, preparation of project report, project analysis, analysis of financial statements, price behaviour and price forecasting.

**Dept. of Agricultural Extension**

The students of M.Sc. programs will be acquainted with perspectives of extension, communication, information management, diffusion, adaption, and entrepreneurship development

**Dept. of Statistics and Computer Application**

The Department of Statistics and Computer Applications has well equipped lab with computers to conduct the practical classes PG programme. PG students will be doing Statistical Analysis using MS Excel and SPSSS 22 version.

### 6.4.6. Supervision of students in PG programmes

Number of M.Sc. students supervised by the faculty is presented in the following table

| | | No. Of M.Sc. Students being supervised by the faculty | | | | |
|---|---|---|---|---|---|---|
| **S. No** | **Name of the Department** | **2015-16** | **2016-17** | **2017-18** | **2018-19** | **2019-20** |
| 1 | Agronomy | 11 | 8 | 8 | 9 | 8 |
| 2 | Soil Science and Agricultural Chemistry | 4 | 3 | 3 | 1 | 3 |
| 3 | Genetics and Plant Breeding | 6 | 7 | 9 | 9 | 9 |
| 4 | Entomology | 5 | 4 | 8 | 6 | 6 |
| 5 | Plant Pathology | 1 | 2 | 3 | 3 | 2 |
| | Plant Physiology | 2 | 4 | 5 | 5 | 3 |
| 5 | Agricultural Economics | 2 | 5 | 3 | 5 | 6 |
| 6 | Agricultural Extension | 2 | 5 | 5 | 6 | 5 |
| 7 | Statistics and Mathematical Application | 1 | - | - | 3 | - |
| 8 | Agri Business Management | 6 | 2 | 4 | 8 | 5 |
| 9 | Molecular Biology and Biotechnology | 3 | 1 | 1 | - | - |

### 6.4.7. Feedback of stakeholders

**Student-teacher council meeting**

A student teacher counsel is constituted representing students from each year of UG, M.Sc. and Ph.D covering various categories (grade point toppers, students from OC, BC, SC and ST). The Associate Dean is the chairman of the council with Officer-In charge of Student Activities (OSA) as the convener, Officer In charge- Academic Matters (UG & PG), Wardens (Boys and Girls), Officer In charge- Placement Cell, NSS, NCC programme officers, Physical Education Director, Administrative Officer as permanent members and any three Professor and Head of the departments as members on rotation basis. The council is the apex level body in college to discuss and finalize all the matters related to students (Curricular and Extra Curricular). These teacher-student council meetings are held once in three months to address the issues faced by the students in academic and non-academic related matters. The issues addressed by the students are documented and action taken will be discussed in the forthcoming meetings.

**AMS (Academic Management System)**

The college as **AMS (Academic Management System)** which automates various academic processes of the University and in a way to enhance the efficiency of the system by saving time and efforts involved in manual processes. The data generated by the system is used for generating the reports at the national agriculture portal by aggregating the data from various State Agriculture Universities. AMS is being implemented under NAHEP Component-II of ICAR.

The system has following sub modules:

- Courses Management
- Student Management
- Faculty Management
- Administration Management
- E-Learning
- Online fee collection

Both the students and staff have to enroll themselves as members of AMS. The course curriculum content, information regarding credentials and academic qualifications, performance of the staff and details about the students is entered in to the system. This increases efficiency and transparency of working in the academic related matters. Presently all the teaching staff and first year students of UG, M.Sc. (Ag.) and Ph.D have enrolled themselves in AMS portal.

### 6.4.8. Student intake and attrition in the program for the last five years

**i) Post Graduate Programme – M.Sc. (Ag.)**

| Name of the Degree Program | Actual student admitted in last five years | | | | | Attrition Percentage (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **2015** | **2016** | **2017** | **2018** | **2019** | **2015** | **2016** | **2017** | **2018** | **2019** |
| UG program | 50 | 42 | 53 | 57 | 43 | 13.33 | 10.40 | 13.46 | 0 | 32.07 |

**ii) Post Graduate Programme – MBA (Agri Business Management)**

| Name of the Degree Program | Actual student admitted in last five years | | | | | Attrition Percentage (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **2015** | **2016** | **2017** | **2018** | **2019** | **2015** | **2016** | **2017** | **2018** | **2019** |
| UG program | 3 | 12 | 17 | 15 | 13 | 0 | 0 | 0 | 0 | 0 |

### 6.4.9. ICT application in curricula delivery

All the departments are equipped with pc connected projector for ppt presentation. The departments are also connected with high speed broad band connection. Online classes are being held for PG and PhD programs on different platforms. National conferences, Seminars, Symposiums are being held by different online platforms. These facilities are being utilised by both the faculty and students. S.V. Agriculture College, Tirupati is also equipped with three Smart class rooms along with interactive Boards in the Virtual Class room (IDB), Department of Entomology and Department of Plant Pathology

The college is also maintaining its own website https://svagcollege.org/ which regularly updates information for both the students and faculty.

6.4.12

## CERTIFICATE

I, the Associate Dean, Dr. B. Ravindranatha Reddy hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding University.

Date: 20.1.2021

Signature of the Associate Dean & Seal

ASSOCIATE DEAN
S.V. Agricultural College
TIRUPATI-517 502

*Self Study Report for Accreditation of PhD. Program of*

# SRI VENKATESWARA AGRICULTURAL COLLEGE
# TIRUPATI

***Entre to Learn - Leave to Serve***




## ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
## LAM, GUNTUR – 522 034

## ANDHRA PRADESH

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## 6.4. Self Study report for the PhD program

### 6.4.1. Brief history of PhD degree program

**ESTABLISHMENT**

PhD programs was introduced at S. V. Agricultural College, Tirupati in a phased manner in the following disciplines

| | | |
|---|---|---|
| Agronomy and | - | 1992-93 |
| Genetics and Plant Breeding | - | 1992-93 |
| Extension Education | - | 2007-08 |
| Soil Science and Agricultural Chemistry | - | 2009-10 |
| Entomology | - | 2009-10 |
| Agricultural Economics | - | 2009-10 |
| Plant Physiology | - | 2011-12 |
| Plant Pathology | - | 2012-13 |

The college was shaped in due course of time by providing a spacious building for laboratories and class rooms for each department. So far, a total 96 students in Ph.D programmes, have passed out and are occupying higher and prestigious position in different public and private National and International organizations.

Department of Molecular Biology and Biotechnology was started at S.V. Agricultural College, Tirupati during 2015 to support M.Sc. and Ph. D. Research work in the field of Agriculture. So far one Ph.D have obtained their degree from the department.

### 6.4.2. Faculty strength

| S. No. | Department | Sanctioned | | | In-position | | | Vacancy |
|---|---|---|---|---|---|---|---|---|
| | | Prof. | Assoc. Prof. | Asst. Prof. | Prof. | Assoc. Prof. | Asst. Prof. | |
| 1 | Agronomy | 01 | 01 | 09 | 01 | 01 | 08 | 01 |
| 2 | Genetics and Plant Breeding | 01 | 01 | 05 | 01 | 01 | 05 | -- |
| 3 | Soil Science and Agricultural Chemistry | -- | 01 | 08 | -- | 01 | 07 | 01 |
| 4 | Entomology | 01 | 01 | 05 | 01 | 01 | 04 | 01 |
| 5 | Plant Pathology | 01 | 01 | 03 | 01 | 01 | 03 | -- |
| 6 | Crop Physiology | -- | 01 | 03 | -- | -- | 03 | 01 |
| 7 | Agriculture Engineering | -- | 01 | 06 | -- | -- | 06 | 01 |
| 8 | Horticulture | -- | 01 | 01 | -- | 01 | 01 | -- |
| 9 | Agriculture Economics | -- | 01 | 05 | -- | -- | 04 | 02 |
| 10 | MBA (Agribusiness Management) | -- | -- | -- | -- | -- | -- | -- |
| 11 | Agriculture Extension | 01 | 01 | 03 | 01 | 01 | 03 | -- |
| 12 | Statistics and Computer Applications | -- | -- | 03 | -- | -- | 03 | -- |
| 13 | English | -- | -- | 02 | -- | -- | 02 | -- |
| 14 | Library | -- | -- | 01 | -- | -- | 01 | -- |
| 15 | Physical Education | -- | -- | 01 | -- | -- | 01 | -- |
| 16 | College Farm | -- | -- | 01 | -- | -- | 01 | -- |
| | | **05** | **10** | **56** | **05** | **07** | **52** | **07** |

### 6.4.3. Technical and Supporting Staff

The Technical and Supporting Staff working in different Departments are highly experienced and skill oriented persons to carryout the filed practicals, preparation of laboratory reagents and other works related to practicals.

| Technical and supporting staff | Name of the staff |
|---|---|
| **Department of Agronomy** | |
| Record Assistants | A. Sudhakar |
| | K. Rajagopal |
| | K. Muralikrishna |
| Office subordinates | M. Venkatramaiah |
| | N. Gangaiah |
| | G. Devaki |
| **Department of Genetics and Plant Breeding** | |
| Record Assistants | G. Ramesh |
| | G. Thyagaraja Naidu |
| | P. Venkata Lakshmi |
| Office subordinates | T. Muniratnam |
| **Department of Soil Science and Agricultural Chemistry** | |
| Record Assistants | V. Ghousia Parveen |
| | E. Babu |
| | P. Muni Krishnaiah |
| | C. Lakshmi |
| Office subordinates | D. Varalu |
| | B. Jyothi |
| **Department of Entomology** | |
| Record Assistants | M. Venkatesh |
| | P. Purushotham |
| | K. Anjaneya Prasad |
| | T. Anamdaiah |
| Office subordinates | B. Pushpamma |
| **Department of Plant Pathology** | |
| Record Assistants | C. Ravindra Babu |
| | P. Muni Ram |
| Office subordinates | Rajeswari |
| **Department of Crop Physiology** | |
| Record Assistants | K Damodhar Reddy |
| | P Maheswari |

| Technical and supporting staff | Name of the staff |
|---|---|
| Office subordinates | M Sudhakar |
| | A Chenchemma |
| **Department of Agricultural Engineering** | |
| Record Assistants | K. Venu Gopal |
| Office subordinates | B. Rajendra |
| **Department of Horticulture** | |
| Record Assistants | T. Munaswamy |
| | D. Munikrishnaiah |
| Office subordinates | M. Parvathi |
| **Department of Agricultural Economics** | |
| Record Assistants | Sri. M. Thulasi Ram Reddy |
| Office subordinates | Smt. C. Chandramma |
| **Institute of Agribusiness Management** | |
| Record Assistant | K. Ramesh |
| | D. Munuswamy |
| | P. Muni Ram |
| | M. Prasad |
| | M. Prasad |
| | K. Sree Vani |
| Office subordinate | L. Krishnayya |
| **Department of Agricultural Extension** | |
| Record Assistant | G. Nagaraju |
| Office subordinate | P. Muni Krishnaian |
| **Department of Statistics and Computer Applications** | |
| Record Assistants | G. Rajendra |
| Office subordinates | K. Nagarathna |
| **Regional Library** | |
| Senior Library Assistant | Sri K. Chinna Reddanna |
| Junior Library Assistant | Sri C. Chandra Sekhar |
| | Smt. A. Usha Rani |
| Shelf Assistant | VACANT (4) |
| Record Assistant | Sri. P. Mhaboob Basha |
| Junior Binder | Outsourcing |
| Xerox Operator | Outsourcing |
| Office Subordinate | P. Mallika |

### 6.4.4. Class rooms and Laboratories

#### 1. Department of Agronomy

The department has one seminar hall and PG laboratory. The seminar hall can accommodate about 120 delegates and is fitted with air conditioners and audio visual aids with UPS backup for uninterrupted power supply, which can host seminars, workshop, conferences etc. successfully.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Pressure plate apparatus | For estimation of soil and leaf water potential |
| Leaf area meter | For calculating the leaf area of experimental material |
| Root scanner with accessories | For estimation root surface area of the experimental material |
| Automatic nitrogen analyser (KEL PLUS) | For estimation of nitrogen and protein content in the plant and soil samples |
| Flame photo meter | For determination of potassium content in the soil and plant samples |
| Hot air oven | For drying of plant, soil and weed samples |
| PAR ceptometer canopy analyser | For estimation of PAR |
| Net solar radiometer | For recording amount of solar radiation reflected from the surface |
| Tensiometer | For estimation of soil moisture tension |
| Infrared moisture balance | Fore estimation of soil moisture content |
| Digital electronic balance | For weighing chemicals used for various PG and Ph.D experiments |
| Rice husker cum polisher | For dehusking and polishing of rice for experimental purpose |
| Green house facility | For conducting pot house and green house experiments |

## 2. Department of Genetics and Plant Breeding

The department has one PG laboratory with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Laminar air flow | For preparation of media during Tissue culture practicals |
| Microscopes | For microscopic observation of mitosis and meiosis stages during UG and PG practical |
| Seed storage visi coolers | For short term storage of the seed samples |
| Autoclave | For sterilization of glassware and plastic ware to be used in molecular biology |
| Hot air oven | For drying of seed samples and glassware |
| Refrigerators | For storing all working solutions for PCR and DNA isolation. |
| Horizontal gel electrophoresis unit with power pack | For separation of PCR products |
| Vertical gel electrophoresis unit with power pack | For high resolution separation of PCR fragments and protein separation |
| Micro ovens | For dissolving of agarose and other chemicals |
| 6.0 KV UPS | For maintaining continuous power supply for all the equipments present in PG and Ph.D laboratory |
| Digital electronic balance | For weighing chemicals used for various PG and Ph.D experiments up to 1 mg |
| Water bath | For incubation of leaf samples during DNA isolation |
| Refrigerated centrifuge | For precipitation of DNA |

### 3. Department of Soil Science and Agricultural Chemistry

The department has two PG laboratories with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Atomic Absorption Spectrophotometer | To estimate the micronutrients and heavy metals in soil, plant and water samples |
| UV-Visible Spectrophotometer | To determine Phosphorous and Sulphur from soil, plant and water samples |
| | To determine soil enzymes such as urease, phosphatases, dehydrogenases, etc. |
| Flame photo meter | To estimate Sodium and Potassium concentrations in soil, plant and water samples |
| BOD incubator | To incubate soil samples at fixed temperatures for determination of population of microorganisms and soil enzymes |
| Remi-centrifuge | To centrifuge the samples at required rpm |
| pH meter | To read the pH in samples of soil and water |
| EC meter | To know the conductivity of the soil and water samples |
| Refrigerator | To store the chemicals and samples |
| KEL-PLUS Unit | For digestion and distillation of soil and plant samples to estimate Nitrogen |

## 4. Department of Entomology

The department has one PG laboratory with following equipments to carryout post graduate students research

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Olympus trinocular stereo zoom microscope with camera and image analysis software | For taking digital images of various life stages of insects and plant samples up to micrometer level |
| Research microscope with built in halogen illumination with eye piece 3/5/10/15 x and objective 5/10/45/100 x magnification | For viewing different parts of insects and plant species |
| Digital colony counter | For counting bacterial and fungal spore |
| Equitron BOD incubator | For maintaining cultures of bio pathogens and to carry out experiments at stable temperature and humidity |
| Portable autoclave of 16 litres capacity | For sterilization of materials used for insect pathology experiments |
| Hot air oven | For drying of insect specimens used for taxonomy studies and taking dry weight of insect and plant samples |
| Mini rotary shakers RS-12 plus clamps | For culturing microorganisms |
| 50 mm thick RCC pre coated with work benches | For pot culturing plants used for greenhouse experiments |
| Potters tower sprayer | For Insecticide Resistance studies. The technical grade insecticide will be dissolved in acetone and administered in to the Potters tower that will give a uniform spray onto the insects underneath used in detection of insecticide resistance |
| 10.0 KVA/196 V De online system | For maintaining continuous power supply for all the equipments present in PG and Ph.D laboratory |
| Digital electronic balance | For weighing chemicals used for various PG and Ph.D experiments up to 1 mg |
| Net house | For conducting pot house and green house experiments |

## 5. Department of Plant Pathology

The department has one PG laboratory with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Magnus monocular microscopes | For observing plant pathogens for scraping and dissections |
| Olympus monocular microscopes | |
| LCD Projector (NECVT 590 G) and Sony | For demonstrating practicals to UG students |
| Amaron 650 VA Inverter | For backup for microscopy |
| Laminar air flow cabinet (Alpha) | For demonstrating practicals to UG students |
| Digital bacterial colony counter LAPIZ model | For counting microbial colonies |
| Hot air oven (Technico) | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| Equitron BOD incubator | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Portable automatic autoclave (Equitron) | For moist heat sterilization of materials used for pathology experiments |
| Microwave oven (Samsung) | For boiling water/ melting solid culture media |
| Orbital shaking incubator (REMI) | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Hot air oven (Small size) | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| Autoclave vertical | For moist heat sterilization of materials used for pathology experiments |
| Sensitive balance (ATCO) | For weighing up to 1 mg |
| Orbital shaker | For shaking the culture |

| | |
|---|---|
| Fermentor | For preparation of talc based bio control formulations |
| **PG laboratory** | |
| **Equipment/Facility** | **Purpose/Usage** |
| Binocular research microscope with phase contrast equipment (LABOMED) | For taking digital images of various life stages of microbes and up to micrometer level |
| Microscope with camera attachment | |
| Image pad ultra I 500 with microscope EX3030 (Accuscope) | |
| Magnus zoom stereo binocular microscope | |
| CX-41 trinocular Microscope | |
| Canon DSLR Camera | For taking research photographs |
| Refrigerated micro centrifuge | For isolation of DNA from microbes and samples for molecular research |
| CM-12 Plus compact bench top cooling micro centrifuge | |
| R-12 Plus micro centrifuge with accessories | |
| Cooling centrifuge | |
| PCR machine (Master cycler gradient) | For amplifying DNA segments |
| Laminar air flow cabinets (Technico) | For maintenance of aseptic conditions |
| Biorad make mini protean tetra cell | For running electrophoresis |
| PCR machine (Takura) | For amplifying DNA segments |
| GEL-DOC | For taking photographs of electrophoresis gels with software in desktop |
| Dell Vostro Desktop | |
| Horizontal electrophoresis WIPRO GE | For variability studies of isolates |
| Power supply for Electrophoresis unit WIPRO GE | For power supply to electrophoresis unit |

| | |
|---|---|
| Horizontal Laminar air flow (alpha) | For maintenance of aseptic conditions |
| Printer for Automatic cyberlab ELISA–ROI microplate reader | For detection of plant viruses |
| **PG laboratory** | |
| **Equipment/Facility** | **Purpose/Usage** |
| Cyberlab ELISA Reader-ROI | For taking observations on plant viral load |
| Genei Electrophoresis unit | For variability studies of isolates |
| Deep freezer (vertical) | For preserving cultures at -20°C |
| BOD Incubator (Equitron) | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Laminar air flow chamber Horizontal | For moist heat sterilization of culture media |
| RIA Laminar air Flow cabinet | For maintenance of aseptic conditions |
| KEMI Hot Air Oven | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| RIA BOD Incubator | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Cooling Incubator model | For maintaining cultures of microbes and to carry out experiments at stable temperature and humidity |
| Western freezer 500 ltrs | For preserving mushroom cultures at -20°C |
| Deep freezer | For preserving mushroom cultures at -20°C |
| Yorco humidifier | For maintaining humidity |
| Stabilizer (Servo) | For maintaining constant power to the incubator |
| Sony steel open racks | For keeping mushroom beds |
| Air conditioners | For maintaining cooling temperatures for mushrooms |
| Autoclave tripple | For moist heat sterilization of sorghum grains, straw |

| | |
|---|---|
| Electronic balance | For weighing chemicals less than 1 mg |
| pH meter | For determining pH of the solutions |
| Refrigerator | For processing mushroom recipes |
| **PG laboratory** | |
| **Equipment/Facility** | **Purpose/Usage** |
| Water purifier | |
| Micro oven | |
| Weighing balance | For weighing of harvested mushrooms |
| Sealing machine | For packing mushrooms |
| Foot sprayer | For disinfecting mushroom sheds |
| Hand sprayer | |
| Mushroom sheds | For raising mushroom |
| Chaff cutting machine 2 HP motor | For cutting straw for mushroom beds |
| Chaff cutting machine 1 HP motor | |
| Smart class room | For interactive learning by the PG students through presentations with special effects |
| Laminar air flow chambers | For maintenance of aseptic conditions |
| BOD incubator | For moist heat sterilization of culture media |
| Vertical autoclave | |
| Hot air oven (Dalal) | For dry heat sterilization of Petri plates and taking dry weights of fungal and plant samples |
| Deep freezer (340 ltrs ) | For preserving cultures at -20°C |
| Spectrum BOD Incubator | For moist heat sterilization of culture media |

## 6. Department of Crop Physiology

The department has one PG laboratory with following equipments to carryout post graduate students research.

| **PG laboratory** | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Compound microscopes | Used in UG Practical for taking section cuttings of different parts of plants |
| Seed germinator | Used for UG and PG research. These create an environment in which light, humidity and temperature are controlled to provide optimum conditions for the germination of seeds |
| Laminar air flow chamber | To carry tissue culture UG and PG practicals |
| Deep freezer (- 20°C) | To store the plant samples |
| Water bath | To heat the leaf samples for enzymatic analysis |
| Hot air oven | For drying plant samples to get dry weights for deriving growth analysis |
| Cooling centrifuge | For enzymatic analysis |
| Infrared thermometer | For measuring leaf temperatures in abiotic stress experiments |
| Double distillation water unit | To have distilled water for all the nutrient and enzymatic analysis |
| Soxhlet apparatus | To estimate oil (lipids) from seed |
| Digital electronic balance | For weighing chemicals used for various UG, PG and Ph.D experiments up to 1 mg |
| Spectrophotometer | For measuring absorbance in enzymatic analysis |
| Plant growth chamber | Used for various UG, PG and Ph.D experiments |
| Leaf area meter | For measuring leaf area of the plant samples used for various UG, PG and Ph.D experiments |
| Microwave oven | For media preparation used in tissue culture experiments |

| PG laboratory | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Rotary vacuum evaporator | Used in hormonal analysis |
| IRGA (Infra Red Gas Analyzer) | To measure the gas exchange in plants in various UG, PG and Ph.D experiments |
| SPAD (Soil Plant Analysis Development) | To measure the greenness of leaves in various UG, PG and Ph.D experiments |
| LUX meter | To measure the light intensity in various UG, PG and Ph.D experiments |
| Lysimeter | Used for UG practical |
| Glasshouse | The department also has a glass house facility to carry the PG pot culture research. Within the glass house there is a separate chamber to carry the research on effect of elevated CO2 on crop growth and development |

**7. Department of Agricultural Extension**

The department has one PG classroom with a seating capacity for 30 students and provided with audio visual aids for taking classes.

**8. Department of Agricultural Economics**

The department has one computer lab with a seating capacity of 30 students. The lab is equipped with computers to carry out various practical classes with UPS backup.

| PG laboratory | |
|---|---|
| **Equipment/Facility** | **Purpose/Usage** |
| Computers | For conducting practical exercises especially production functions, linear programming technique, Price behavior of various crops and price forecasting techniques using SPSS, Solver, New Markov and R |

**9. Department of Statistics and Computer Applications**

The department has one PG laboratory that can accommodate around 25 students and has 25 Desktop systems for student practicals. The laboratory is facilitated with audio visual aids for taking classes effectively.

**10. Institute of Agribusiness Management**

The department has one mini conference hall which is used for conducting practical classes with interactive sessions for MBA (ABM) students for enhancing skills in public speaking, presentation, group discussions, brainstorming activities, etc. The Mini conference hall is equipped with Audio visual aids such as roof mounted projection system, wireless conferencing device, wireless public addressing system with ahuja amplifier and sound system for best conferencing experience.

**6.4.5. Conduct of Practical and hands on training**

## Dept. of Agronomy

In Post Graduate Programme, the students will be equipped with latest technology related to various agronomic aspects like current trends in agriculture, modern concepts in crop production, advances in weed management, irrigation water management, farming systems, soil fertility and nutrient management, integrated farming systems, etc.

## Dept. of Genetics and Plant Breeding

In Department of Genetics and Plant Breeding, during Post Graduate Programme hands on training is given on seed sampling, seed tests and seed purity tests, cytological studies in various crops, Cell biology and Molecular biology techniques, Bioinformatic techniques step wise procedure of data analyses with experimental data. Exposure visits were also arranged for the students to get well versed with hybrid seed production and seed processing units.

## Dept. of Plant physiology

In Department of Plant Physiology, all the advanced courses in the field of physiology will be dealt for both M.Sc. and PhD students. The laboratory is well furnished with almost all the latest equipment that are put to use by PG students in practicals and for their research work.

## Dept. of Entomology

In the Department of Entomology during the post graduate programme hands on training is given on physiology of insects, taxonomic identification of insets, interaction of insects with the surrounding environment, commercially exploited insects, studies on host plant resistance , host plant interaction, evaluation of insecticide toxicity with the help of micro applicator, Potter's tower sprayer etc. Training will also be given on various entomopathogens , evaluation of their efficacy on major insect pest of agricultural and horticultural crops.

## Dept. of Plant Pathology

The Department of Plant pathology, in Post Graduate Programme, the students will be given hands on training on identification and measurement of

various pathogen structures using advanced trinocular microscopes, isolation and inducing sporulation in fungi is taught in mycology and advanced mycology courses, virus transmission studies by sap, different insects, studies on physical properties of viruses are conducted, detection of viral and bacterial pathogens by ELISA, PCR, gel electrophoresis, different biochemical tests are performed by students in virology, advanced virology, bacteriology and advanced bacteriology courses.

## Dept. of Soil science

In the Department of Soil Science and Agricultural Chemistry during PG courses in each practical class, students are taught about theory of practical exercise such as aim, principle, apparatus required, reagents preparation, procedure, observations and calculations. Later students are taken to the laboratory where individually given hands on experience to do the practical exercise themselves. In case of GIS lab practicals, students are allowed to register and geo-reference the topo sheet in ARC-GIS and also some of the students are allowed to record by themselves the longitude, latitude and altitude data using GPS (Global Positioning System).

## Dept. of Agricultural Economics

In the department of Agricultural Economics for PG students, classes are organized in the computer lab where they are exposed to various methods of analysis using statistical packages like SPSS, Solver, New Markov and 'R' to solve the problem of production, preparation of project report, project analysis, analysis of financial statements, price behaviour and price forecasting.

### Dept. of Agricultural Extension

The students of PhD programs will be acquainted with advanced research designs, training technologies, organisational development and instructional technologies.

## Dept. of Statistics and Computer Application

The Department of Statistics and Computer Applications has well equipped lab with computers to conduct the practical classes PG programme. PG students will be doing Statistical Analysis using MS Excel and SPSSS 22 version.

### 6.4.6. Supervision of students in PhD programmes

Number of PhD students supervised by the faculty is presented in the following table

| | | No. Of PhD Students being supervised by the faculty | | | | |
|---|---|---|---|---|---|---|
| **S. No** | **Name of the Department** | **2015-16** | **2016-17** | **2017-18** | **2018-19** | **2019-20** |
| 1 | Agronomy | 2 | 5 | 2 | 5 | 2 |
| 2 | Soil Science and Agricultural Chemistry | 1 | 2 | 3 | 1 | 1 |
| 3 | Genetics and Plant Breeding | 8 | 2 | 4 | 2 | 4 |
| 4 | Entomology | 3 | 2 | 2 | 2 | 3 |
| 5 | Plant Pathology | 2 | 2 | 2 | 1 | 1 |
| | Plant Physiology | - | 1 | 2 | 5 | 3 |
| 5 | Agricultural Economics | 1 | - | - | 2 | 1 |
| 6 | Agricultural Extension | 3 | 1 | 2 | 5 | - |
| 7 | Statistics and Mathematical Application | - | - | -- | - | - |
| 8 | Agri Business Management | - | - | - | - | - |
| 9 | Molecular Biology and Biotechnology | 1 | - | 3 | 1 | - |

### 6.4.7. Feedback of stakeholders

**Student-teacher council meeting**

A student teacher counsel is constituted representing students from each year of UG, M.Sc. and Ph.D covering various categories (grade point toppers, students from OC, BC, SC and ST). The Associate Dean is the chairman of the council with Officer-In charge of Student Activities (OSA) as the convener, Officer In charge- Academic Matters (UG & PG), Wardens (Boys and Girls), Officer In charge- Placement Cell, NSS, NCC programme officers, Physical Education Director, Administrative Officer as permanent members and any three Professor and Head of the departments as members on rotation basis. The council is the apex level body in college to discuss and finalize all the matters related to students (Curricular and Extra Curricular). These teacher-student council meetings are held once in three months to address the issues faced by the students in academic and non-academic related matters. The issues addressed by the students are documented and action taken will be discussed in the forthcoming meetings.

**AMS (Academic Management System)**

The college as **AMS (Academic Management System)** which automates various academic processes of the University and in a way to enhance the efficiency of the system by saving time and efforts involved in manual processes. The data generated by the system is used for generating the reports at the national agriculture portal by aggregating the data from various State Agriculture Universities. AMS is being implemented under NAHEP Component-II of ICAR.

The system has following sub modules:

- Courses Management
- Student Management
- Faculty Management
- Administration Management
- E-Learning
- Online fee collection

Both the students and staff have to enroll themselves as members of AMS. The course curriculum content, information regarding credentials and academic qualifications, performance of the staff and details about the students is entered in to the system. This increases efficiency and transparency of working in the academic related matters. Presently all the teaching staff and first year students of UG, M.Sc. (Ag.) and Ph.D have enrolled themselves in AMS portal.

### 6.4.8. Student intake and attrition in the program for the last five years

**i) Post Graduate Programme – Ph.D**

| Name of the Degree Program | Actual student admitted in last five years | | | | | Attrition Percentage (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **2015** | **2016** | **2017** | **2018** | **2019** | **2015** | **2016** | **2017** | **2018** | **2019** |
| UG program | 28 | 22 | 24 | 21 | 19 | 0 | 0 | 8.33 | 7.14 | 14.28 |

### 6.4.9. ICT application in curricula delivery

All the departments are equipped with pc connected projector for ppt presentation. The departments are also connected with high speed broad band connection. Online classes are being held for PG and PhD programs on different platforms. National conferences, Seminars, Symposiums are being held by different online platforms. These facilities are being utilised by both the faculty and students. S.V. Agriculture College, Tirupati is also equipped with three Smart class rooms along with interactive Boards in the Virtual Class room (IDB), Department of Entomology and Department of Plant Pathology

The college is also maintaining its own website https://svagcollege.org/ which regularly updates information for both the students and faculty.

6.4.12

## CERTIFICATE

I, the Associate Dean, Dr. B. Ravindranatha Reddy hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding University.

Date: 20.1.2021

Signature of the Associate Dean & Seal

# SELF STUDY REPORT
# for
# ACCREDITATION OF COLLEGE



Acharya N. G Ranga Agricultural University

AGRICULTURAL COLLEGE, NAIRA - 532 185

SRIKAKULAM DISTRICT, ANDHRA PRADESH



# AGRICULTURAL COLLEGE
# NAIRA

***Three Decades of Service in Agriculture***

# Self Study Report for Accreditation of the College

# Agricultural College, Naira

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# Self Study Report for Accreditation of the College

# Agricultural College, Naira

## Historical background :

Agricultural College, Naira is situated in Srikakulam district, which is one of the nine coastal districts, located in the extreme north-eastern direction of the state and fall under North Coastal Agro-climatic zone of A.P. The North Coastal Andhra Pradesh comprises three northern districts of the state of Andhra Pradesh, Viz; Srikakulam, Vizianagaram and Visakhapatnam. The economy of the region is primarily agrarian in nature.

There are a large number of students opting for their career in agriculture after completing their 10+2 education. However, before the establishment of this College, the nearest Agricultural College was situated at Bapatla in Guntur district. Bapatla is about 600 km away from the location of this College. The railways is the only means of direct communication to Bapatla requiring almost twelve hours of journey. There was thus a justified and persistent demand from various quarters including parents of the students for one more agricultural College somewhere in North Coastal Andhra Pradesh exclusively to cater to the needs of this region. Besides, the number of aspiring students has been increasing year after year. Thus, the necessity of a new Agricultural College was felt all the more necessary.

Yet, there was one more necessity of a new Agricultural College. An Agricultural College serves not only as a mere centre of producing Graduates and Post Graduates in agriculture, but also as a knowledge and technology hub, and most importantly a centre for extending the latest techniques and technologies in the field of agriculture to the farmers of the region for their adoption. The existing College located far off at Bapatla was not adequate to serve these interests of this region primarily due to two reasons viz. distance factor and the diverse kind of agricultural background of the region.

To elaborate the second point,

- The north coastal Andhra Pradesh is characteristically different from the rest of the state with regard to soils, climate, physiography, cropping pattern, and

the most importantly, the scale of tapping natural resources in reaping bountiful harvests. The region does possess as many as five of the six soil Orders of Soil Taxonomy found in the entire state.

- A large number of crops of the area are different from those of the rest of the state e.g. mesta is an important crop of the region and so is rice-fallow pulses practiced in the region. Similar is the case with a number of vegetables, fruit crops and spices and condiments grown in the high altitude area of Visakhapatnam district.
- The region does have large areas with high altitude, high rainfall and mean low winter temperature. This makes the agriculture of such areas and its management altogether different.
- The degree of awareness of the farmers of the region about the contemporary cutting edge technology in agriculture was drastically lower.

Keeping primarily such objectives against the back-drop and to make agricultural education and research of much more relevance in the context of the needs, the socio-economic and cultural milieu of the region and keeping in mind the persistent representations from various quarters of the region - North Coastal Andhra Pradesh -, the Government of Andhra Pradesh after careful consideration resolved to start a new Agricultural College at Naira in Srikakulam District, specifically to cater to the needs and aspirations of the people of the districts of Srikakulam, Vizianagaram and Visakhapatnam and the upland areas of the district of East Godavari.

And so Agricultural College, Naira was established on 7$^{th}$ August, 1989 as one more constituent College of Andhra Pradesh Agricultural University (now Acharya N.G. Ranga Agricultural University).

**LOCATION AND ACCESSIBILTY –** Naira, a village located in Srikakulam district, is six km away from the nearest railway station Srikakulam Road in Waltair railway division of South Coast Railway zone on the Howrah Chennai trunk route and is connected by direct trains to many of the major cities of India such as Mumbai, New Delhi, Chennai, Kolkata, Hyderabad and Bangalore. The College is situated on Amadalavalasa – Narasannapeta Road and is eighteen km away from the district Head Quarter town Srikakulam. The College can be reached from the railway station

and the nearby towns by both Public and private transport system. The Bay of Bengal is on the eastern side of the College at a distance of about 10 km.

The nearest airport is at Visakhapatnam at a distance of about 120 km. Direct flights operate between Visakhapatnam and major cities of the country including New Delhi, Mumbai, Kolkata, Chennai and Hyderabad. Excellent road network is available to reach the airport from the College.

**CLIMATE** – The climate is characterized principally by a warm humid summer with a decennial mean annual rainfall of 948.4 mm. The South West and North East monsoon contribute to about seventy and twenty per cent of the annual rainfall, respectively. The major operational period of the South West and North East monsoon are between the months of June to September and November to January. Nearly, ten per cent of the rainfall is received through occasional local showers.

The winter is mild and pleasant. The maximum temperature in summer and the minimum temperature in winter are usually 45 and $15^0$C, respectively.

**SOILS** – The soils of the region are greatly varied ranging from coastal sands formed from sandstone and quartzite rocks to red and lateritic soils. Alluvial soils with their parent materials deposited by the river or flowing water systems of the past constitute a large part of the area. The pH is largely below 7 *i.e* on the acidic side; however, also there are isolated patches of saline and alkali soils. Five of the six Soil Orders of Soil Taxonomy could be found in the region, notably, Alfisols, Entisols and Inceptisols.

**PRINCIPAL CROPS** – The principal crops of the region are rice, mesta, sugarcane, pulses particularly, rice fallow pulses, maize, finger miliet, groundnut and few other oil seeds, a large number of vegetables and fruit trees particularly, coconut, cashew and mango.

**MAJOR RIVERS** – Vamsadhara is the main river of the region flowing from the Eastern side. The river passes mostly through Srikakulam district confluence into the Bay of Bengal. The track length of the river is about 254 km with a catchment area of 41,000 $km^2$. The other rivers and tributaries near the College are Nagavali and Suvarnamukhi. Incidentally, the three hostels of the College are named after these three rivers.

**NEARBY PLACES OF INTEREST** – A number of places worth visiting are located nearby. They include the famous Sun temple at Arasavalli (18 km), the abode of Lord

Shiva at Srimukhalingam (35 km), the Kurma temple at Srikurmam (Kurma – the tortoise, is a reincarnation of the Lord according to Hindu belief) and a Buddhist monastery at Shalihundam (6 km). Few beaches on the Bay of Bengal, notably Kalingapatnam and Mugadalapadu are also worth mentioning.

## Vision of the College:

**Short term**

- Launching of P G programme in all the Departments
- Development of e-content in all core courses of all the Departments
- Establishment of CAFT (Centre for Advanced Faculty Training) centre

**Long Term**

- Launching of Ph. D programme in all the Departments
- Establishment of Agri-Entrepreneur incubation centre

**GOALS AND OBJECTIVES**

- To impart agricultural education at Graduate and Post graduate level to generate trained quality human resources in the Agriculture Sector.
- To render extension of modern technologies in the field of agriculture to the local populace.
- To create awareness among the local farming community on technological advances to reap better harvest.
- To work in tandem with the Officers of the State Department of Agriculture and the line Departments on modern, improved and new technologies developed by the College and the University.
- To bring agricultural education and counselling to the local farming community much nearer.

The College, started functioning at Amadalavalasa on 07.08.1989 of the academic year 1989-90 with just three rooms spared by Agricultural Research Station at Amadalavalasa and with four faculty members and forty one students.

The makeshift College functioning at Agricultural Research Station, Amadalavalasa was shifted to Naira on 30th August, 1995.

The College has come a long way since then and now does posses the main building, individual laboratories of all the Departments, Administrative Office, Central book and digital Library, Hostels for the students, play grounds, gymnasia, internal roads, health clinics, staff quarters and a well maintained farm, all located in a sprawling area of 251 acres.

**Programmes offered with duration**

| Programme | | Duration | Year of starting |
|---|---|---|---|
| UG | B. Sc. (Hons) Agriculture | Four years | 1989 |
| PG | M. Sc. (Agriculture) | Two years | 2010 |

Post Graduate Programme in the Departments of Agronomy and Genetics and Plant Breeding was introduced in the College during the academic year 2010-2011 while, Entomology was added during 2016-2017.

The College does have a highly qualified, talented and dedicated faculty. The faculty rendered a great deal of service and so the students of the College could come out with flying colours in both studies and extra-curricular activities.

The students could compete as OGPA toppers among all the Colleges of the University. They have been excelling in ICAR Junior Research Fellowship examination and also in CAT for admission in prestigious IIM's. A number of them could find placement in Civil Services like IAS, IRS and IFS. A large number of them pursued doctoral and post doctoral studies in prestigious Universities pan India and even abroad too.

## 6.5.1 College Administration:

### 6.5.1.1 College Dean's Establishment:

Associate Dean post has been sanctioned by the Govt. of Andhra Pradesh. The Present Associate Dean is appointed by AGRAU on 26-09-2019 and since then he has been discharging duties. The tenure of Associate Dean is usually two years.

| S.no | Name of the post | Sanctioned strength | In position |
|---|---|---|---|
| 1 | Administrative Officer | 1 | 1 |
| 2 | Superintendent | 1 | 1 |
| 3 | Senior Assistant | 2 | 2 |
| 4 | Junior Assistant cum Typist | 1 | 1 |
| 5 | L.D.Steno | 1 | 1 |
| 6 | Roneo Operator | 1 | 1 |
| 7 | Record Assistant | 1 | 1 |

**Facilities at Dean's Secretariat:**

Spacious accommodation with individual cubicles provided to the secretarial staff. The secretariat has been equipped with 40mbps dedicated internet facility with LAN and *wifi*. This office is equipped with 8 Desktop computers, two Xerox machines, and high end scanner etc. This is a very important office as it assists the Associate Dean in matters related to administration, academic, office procedures, finance and accounts, student welfare which includes scholarships to students, etc. The Associate Dean's secretariat is also attached with a well furnished conference hall with a seating capacity of 30 to organize important meetings.

ADMINISTRATIVE STRUCTURE OF AGRICULTURAL COLLEGE, NAWA
VICE CHANCELLOR
DEAN OF AGRICULTURE
DEAN PG STUDIES
DEAN OF STUDENT AFFAIRS
ASSOCIATE DEAN
TEACHING DEPARTMENTS
COLLEGE LIBRARY
ADMINISTRATIVE OFFICE
COLLEGE FARM
HOSTELS
PROFESSORS
ASSOCIATE PROFESSORS
ASSISTANT PROFESSORS
ASSISTANT LIBRARIAN
SUPERINTENDENT
FARM SUPERINTENDENT
CHEF WARDEN
SENIOR ASSISTANT
L.D. STENO
AGRICULTURAL EXTENSION OFFICER
STORE CLERK
WARDENS BOYS & GIRLS HOSTELS
JUNIOR LIBRARY ASSISTANT
JUNIOR ASSISTANT-CUM-TYPIST
FIELD SUPERVISORS
ADDITIONAL WARDENS BOYS & GIRLS HOSTELS
SUPPORTING STAFF
SHELF ASSISTANT
RECORD ASSISTANT
OFFICE SUBORDINATE
WATCHMAN
CARE TAKER
SUPPORTING STAFF

### 6.5.1.2. Monitoring Mechanism for Quality Education (on-line):

The College does not have monitoring mechanism for quality education (on online), instead an internal quality assurance system monitored with appropriate structure and process for the administration of College, hostels, library and farm is present in off line mode.

As this is one of the constituent Colleges of ANGRAU, it is having well structured mechanism for sustained monitoring of education quality as laid down by the University. Since beginning of admission of a student into the College through counselling by the university, the students shall get enough guidance to reach the College to which he is allotted. On the day of reporting to College, an orientation session shall be arranged to the students and parents in which they receive guidance from the Associate Dean and office bearers on academic regulations, amenities available in the campus, registration of the course, Student-Advisory system, procedure for admission to hostels, series of measures initiated to prevent the menaces of ragging on and off the campus. Students who have completed registration of course are allotted to an Advisors, who will act as guide and mentor in all aspects throughout the programme. The students who got admitted into PG programme are thoroughly oriented by the OAM (P.G) and Heads of the respective departments on PG academic regulations and within six weeks, the Student Advisory committee shall be constituted for each student to guide them further.

The academic calendar shall be communicated by the Deans of the faculty in advance which shall be implemented at the College level without deviation duly following all the academic regulations. The academic council on the recommendations of the faculty board shall prepare the policy frame work on academic matters at periodical intervals for implementation uniformly across all Colleges.

PG research is only the major activity focussed to address the location specific research needs of the farming community. The P.G student make proposals for their research work under the guidance of the advisory committee which shall be thoroughly discussed initially at the Department level and then refined programmes shall be presented at State Level Technical Programme meeting conducted with all

THE INTERNAL QUALITY ASSURANCE MONITORING MECHANISM OF AGRICULTURAL COLLEGE, NAIRA
VICE CHANCELLOR
DEAN OF AGRICULTURE
DEAN PG STUDIES
DEAN OF STUDENT AFFAIRS
BEGINNING AT COLLEGE LEVEL
ASSOCIATE DEAN
ACADEMICS
CO & EXTRA CURRICULAR ACTIVITIES
PERSONALITY DEVELOPMENT & SOFT SKILS
SOCIAL & ENVIRONMENTAL ACTIVITIES
EMINITES
DAM (UG) & DAM (PG)
OSA
PD
PLACEMENT CELL IN-CHARGE
COACHING CELL
NSS PROGRAMME OFFICERS
WARDENS BOYS & GIRLS HOSTELS
HODs
STUDENT REPRESENTATIVES
OSA
NSS VOLUNTEERS
ADDITIONAL WARDENS BOYS & GIRLS HOSTELS
FACULTY (ADVISORS)
CARE TAKER
SUPPORTING STAFF

the researchers of concerned discipline for further refinement before the proposal are submitted to the Dean (PGS) for approval through the University Head of the concerned Departments.

Academic progress of the individual student will be monitored by the respective advisory committee, faculty in-charge for PG programme of the Department and HOD's at regular intervals. While, the Associate Dean of the College monitors the quality of education pertaining to PG through Academic Advisor (PG) of the College, respective HOD's through faculty in-charge for PG programme of the Departments. University Head of the Dept and Dean PG studies in the University also monitors the progress of research work time to time in the University by making visits to the Colleges as and when required.

The College attaches equal priority to extension activities also. All the teachers involve themselves in various extension activities as and when the need arises. Important extension programmes and activities include Village Adoption Programme, Field Visits, Kisan Mela, organizing training programmes, acting as resource persons for the programmes of State Department of Agriculture.

The for internal quality assurance structure of the College encompasses academic quality assurance, co-curricular and extra-curricular activates, amenities, personality development and soft skills, social and environmental awareness programmes .

**Assurance system**

**1.Academic:**

- An academic cell is present in the Office of the Associate Dean coordinated by Officers-in-charge of Academic matters for Undergraduate and Post Graduate programmes separately.
- The Teacher-in-charge, on the advise of the Head of the department shall offer the course as per the syllabus prescribed in the course catalogue of Undergraduate and Post Graduate programmes.
- Each credit covers approximately 15-16 classes in a semester.

- The internal examinations (Mid semester) shall be conducted after completion of 50% syllabus in about 40-45 working days and the time table shall be drawn at College level, while external examinations shall be conducted after completion of the last instructional day of the semester, the time table for which shall be communicated by the University uniformly for all the constituent and affiliated Colleges. Semester final practical examination shall be conducted by the concern teacher-in-charge of the courses on the last day of the practical class.
- The evaluation of semester final theory answer scrips after coding will be done externally by the faculty of other campus as per the instructions of the university.
- On receipt of the marks award lists from the external examiner, performance registers shall be prepared by the teacher-in-charge duly incorporating all components as per weightage (40% internal & 60% external marks) which was verified by the Head of the department.
- On receipt of all the performance registers of the courses of that semester, the Grade point reports of individual students shall be prepared by the academic cell and submit to the University for approval.
- The approved GP reports on receipt from the Registrar shall be issued to the students through respective Advisors.

**2. Co-curricular and extra-curricular activities:** Officer-in-charge of Student Activities (OSA) and Physical Director shall monitor the co-curricular and extra-curricular activities of the students at College level under the supervision of Associate Dean. The Dean of Student Affairs monitors these activities at the University level.

**3. Amenities:** Wardens of Boys and Girls Hostels, assisted by the Additional Wardens and Care Taker shall attend the aspects related to amenities in the campus on daily basis

**4. Personality Development and Soft skills**: Officer-in-charge of the Placement Cell in coordination with faculty-in-charge of Coaching cell shall arrange necessary trainings by inviting experts and impart essential soft skills to enhance their communication skills and personality.

**4. Social and Environmental awareness:** Social awareness programmes shall be coordinated by NSS Programme Officers which includes NSS special camps, regular activities under NSS, Agrico-green, blood donation camps, organising days of National and International importance etc.

**1.Planning for academic assurance (Under Graduate Programme) :**.

Agricultural College, Naira, the constituent College of Acharya N.G. Ranga Agricultural University is having an internal quality assurance system called "The ANGRAU UG Academic Regulations, 2016" for governing the under graduate programme leading to the award of the degree of B.Sc (Hons) Agriculture in the Faculty of Agriculture.

The academic year of Under Graduate shall ordinarily be from June to April (except in the case of year of admission) and shall consists of two semesters per year. Each semester is of a duration of 105-110 working days, consisting of 90-95 instructional days and 15 examination days except during the year of admission.

To suit to the needs of various stake holders, the course consists of eight semesters with total credit load of 185 (theory 79 + practical 97) which shall be distributed to different departments for imparting theoretical and practical knowledge to the students. The credit load distribution across the departments is furnished here with.

| S.No | Department | No. of courses | Total credit Hours( up to third year) | | | Percentage of credits taught to students | | |
|---|---|---|---|---|---|---|---|---|
| | | | Theory | Practical | Total | Theory | Practical | Total |
| 1 | Agronomy | 12 | 14 | 10 | 24 | 17.7 | 17.5 | 17.6 |
| 2 | Genetics and plant breeding | 6 | 9 | 5 | 14 | 11.4 | 8.8 | 10.3 |
| 3 | Entomology | 4 | 7 | 4 | 11 | 8.8 | 7.0 | 8.1 |
| 4 | Agricultural Economics | 4 | 7 | 3 | 10 | 8.8 | 5.3 | 7.4 |
| 5 | Agricultural engineering | 4 | 4 | 4 | 8 | 5.1 | 7.0 | 5.9 |
| 6 | Crop physiology | 4 | 5 | 4 | 9 | 6.3 | 7.0 | 6.6 |
| 7 | Plant Pathology | 5 | 7 | 5 | 12 | 8.8 | 8.8 | 8.8 |
| 8 | Horticulture | 5 | 5 | 5 | 10 | 6.3 | 8.8 | 7.4 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 9 | Agricultural Extension | 5 | 6 | 4 | 10 | 7.6 | 7.0 | 7.4 |
| 10 | Soil science and agricultural chemistry | 3 | 5 | 3 | 8 | 6.3 | 5.3 | 5.9 |
| 11 | Statistics and computer applications | 3 | 3 | 3 | 6 | 3.8 | 5.3 | 4.4 |
| 12 | Bio-chemistry and Biotechnology | 2 | 4 | 1 | 5 | 5.1 | 1.8 | 3.6 |
| 13 | English | 1 | 1 | 1 | 2 | 1.3 | 1.8 | 1.5 |
| 14 | Physical education | 2 | 0 | 2 | 2 | 0.0 | 3.5 | 1.5 |
| 15 | Livestock and poultry management | 1 | 2 | 1 | 3 | 2.5 | 1.8 | 2.2 |
| | Total | 61 | 79 | 57 | 136 | | | |
| 16 | Elective courses | 3 | | | 9 | | | |
| | Final Year- Rural Agriculture work experience(RAWE) and Internship | | - | 20 | 20 | | | 10.8 |
| | Final year-Experiential Learning Programme(ELP) | | | 20 | 20 | | | 10.8 |
| | Grand total | | 79 | 97 | 185 | | | |

Each credit hour represents one hour lecture or two to three hours of laboratory or field practical each week in a semester.

In final year of study of B.Sc. (Hons) Agriculture, the students under Rural Entrepreneurship Awareness Development Yojana (READY) programme will attend Rural Awareness works experience programme (RAWEP), Internship and Experiential Learning Programme(ELP) to get practical exposure and hands on training.

**Monitoring and Evaluation system of READY programme (Advisory Committee)**

| Rural Awareness works experience programme (RAWEP) | Internship | Experiential Learning Programme(ELP) |
|---|---|---|
| 1.Associate Dean | 1. Associate Dean | 1. Associate Dean as CEO |
| 2.Associate Dean Representative (Faculty) | 2. Placement Cell-in-charge | 2. Managing Director |
| 3. Coordinator, DAATTC / Coordinator, KVK | -- | 3. Manager |
| 4. Mandal Agricultural Officer | -- | 4.Progrssive Entrepreneur |
| 5. Progressive Farmer | -- | 5. Agriculture Economist nominated by the Associate Dean |

**Monitoring quality assurance and quality enhancement activities of the Colleges.**

- Periodical inspections shall be conducted by the Associate Dean by visiting the ongoing classes as per the class time table. Annual academic scrutiny shall be conducted by the Associate Dean and Officer-in-charge (Academic matters) along with the Head of the respective departments and verify the evaluated Mid Semester examination answer scripts, class roll registers, master performance registers of the courses department wise and suggest necessary improvements and guidence
- The Associate Dean shall monitor the student READY programme with assistance of AD representatives and managers and MDs by making visits to the centres and provide required guidance for successful running of RAWEP, Internship and EL units.

**2. Advisory system:**

- The students on admission shall be divided into convenient groups by the Associate Dean of the College and each group shall be assigned to one of the teachers who is designated as “Advisor”.
- The advisor shall establish and foster close personal relationships with students during their entire stay in the College by having periodical meetings to know their problems, review their study programmes and take such

remedial actions as may be necessary in consultation with the teachers concerned and the Associate Dean.

- The advisor shall maintain a record containing particulars of previous history of the student, courses registered and examinations appeared and grade obtained in each course in each semester. The advisors also establishcontacts with the parents/guardians of the students periodically.
- Mostly one contact hour on every Saturday is allotted as Advisory class in each semester in the class time tables.

| Year of admission | No. of Students admitted | Number of Advisors allotted | Number of contact hours in a year attended by the advisor |
|---|---|---|---|
| 2015-16 | 98 | 6 | 30 |
| 2016-17 | 167 | 9 | 36 |
| 2017-18 | 157 | 7 | 35 |
| 2018-19 | 122 | 5 | 36 |
| 2019-20 | 146 | 8 | 32 |

- The Associate Dean's Representative during RAWEP, Placement cell in-charge during Internship, Manager and Managing Director during EL Programme shall guide the allotted students during READY programme.

**3. Co curricular and Extra-curricular activities:**

- At College level, in co-ordination with the Physical Director, Officer in-charge of Student activities shall organize various co and extra-curricular events time to time.
- All days of state and national importance shall be celebrated in the College by organizing cultural, literary and other events.
- Personality development programmes will be organized for enhancing the soft skills and employability skills of the students in co-ordination with the faculty incharges of placement and coaching cell.
- Students shall be encouraged and trained to participate in various activities at state and national level, by way of youth festivals, sports meets and other cultural events.

**4. Social awareness:**

- Social responsibility among students shall be inculcated by involving them in various social awareness events organized under NSS and Adopted village programmes.
- During NSS special camps, students shall stay in the village for about a week and actively participate in various socio-economic and health awareness programmes.

**Impact of monitoring on the outcome of the College with reference to students' excelling in academics, research and extracurricular activities**

**Academic outcome:**

| YEAR | NO. OF STUDENTS ADMITTED | | ACADEMIC PERFORMANCE OF THE RELEIVED STUDENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | NO. OF STUDENTS RELIEVED | | FIRST CLASS WITH DISTINCTION | | FIRST CLASS | | SECOND CLASS | |
| | | | Male | Female | Male | Female | Male | Female | Male | Female |
| **2015-16** | 57 | 41 | 35 | 39 | 01 | 11 | 21 | 25 | 13 | 03 |
| **2016-17** | 90 | 77 | 36 | 63 | 03 | 23 | 26 | 40 | 07 | - |
| **2017-18** | 68 | 89 | 31 | 54 | - | 08 | 17 | 36 | 14 | 06 |
| **2018-19** | 60 | 62 | 52 | 40 | 04 | 09 | 37 | 31 | 11 | - |
| **2019-20** | 52 | 94 | 65 | 76 | 05 | 35 | 43 | 31 | 01 | 02 |

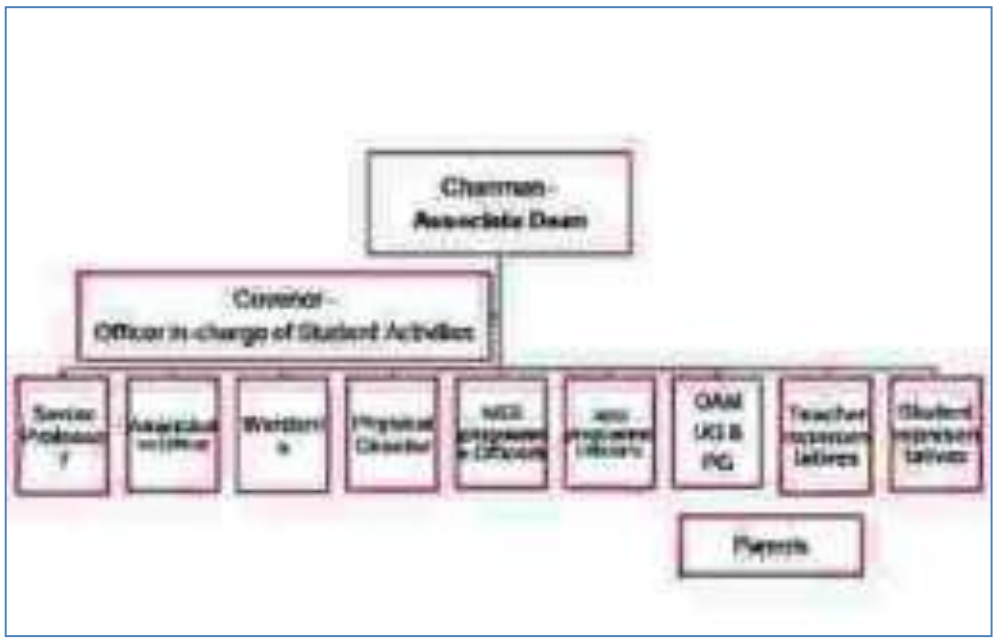
- Due to regular monitoring of academic quality, approximately 78% of the students could secure first classes in undergraduate programme
- Due to sustained efforts made by the faculty through various initiatives, 15 PG seats with fellowship (JRF), 54 seats in various SAUs, 60 seats in ANGRAU, 32 seats in prestigious IIM's and other management institutes, 6 students pursuing Doctoral programme with fellowship (SRF) and 16 students pursuing Ph. D in various SAUs were bagged by the students of the college.

**Co & extra-curricular outcome:**

| S. No. | Year | Name of the event & Place | Recognition/participation |
|---|---|---|---|
| 1 | 2020 | YUVA 2020 GBPUAT, Pantnagar, Uttaranchal | 4 students participated in the event |
| 2 | 2019 | District level inter collegiate debate competitions under Garimella foundation Srikakulam | Received first prize in Telugu debate, elocution and Poetry |
| 3 | 2019 | Agri Carnival, Guntur | Bagged overall First Position in the event |

### 6.5.1.3. Board of Studies (Student-Teacher Council):

There is an active Board of Studies *vis-a-vis* Students Teacher Council in the College. The Council meets at frequent intervals to receive feed back from the students regarding the problems in the academic matters, games and sports facilities, library and hostel related issues. Composition of the Council is presented here with.




**Composition of Student Teacher Council**

- From each year study, four students (Boys and Girls) are nominated to the Council as representatives of the respective class.
- In addition, the Associate Dean during his regular visits to the classrooms and laboratories, hostels, dining halls and specially convened meetings receives his own feedback from the students, seeks complaints and grievances, if any, and offer remedial measures for improvement and rectification.
- The Wardens too regularly meet the boarders and make improvements in the hostels and messes.
- The Heads of the Departments interact with the students, mostly on academic issues.
- Also, through the Advisory system, each faculty member interacts with his wards (about ten in number) on various aspects related to studies, health, maintenance of discipline and even personal difficulties and hardship. An Advisory class of one hour duration is assigned in the class time table. In addition, the Advisors meet his wards more frequently.
- These committees involve student representatives from across the different years. Parents were also being involved in these STC meetings. The details of various STC meetings conducted for the past five years are presented here under.

| **Details of the meeting held under Board of Studies:** | | | | | |
|---|---|---|---|---|---|
| **S. No** | **Academic year** | **Date of STC** | **No. of student participants** | **Issues discussed** | **Issues resolved** |
| 1 | 2019-20 | 07.03.2020 | 34 | Semester schedules to meet JRF requirements | Represented to the university authorities for condensation |
| 2 | | 02.11.2019 | 25 | Digital magazine for College day | Unanimously agreed. |
| 3 | 2018-19 | 02.07.2019 | 21 | Accommodation issue to the borders | Issues resolved |
| 4 | | 07.12.2018 | 16 | Sports facilities | Represented to university for recruitment of lady PD. |
| 5 | 2017-18 | 03.04.2018 | 34 | JRF orientation programmes | Resolved and being organized |
| 6 | | 01.01.2018 | 30 | New class rooms for theory classes | Resolved and new facilities created |

| | | | | | |
|---|---|---|---|---|---|
| 7 | 2016-17 | 10.04.2017 | 64 | College and hostel days | Dates finalized |
| 8 | | 31.01.2017 | 17 | Subscription of journals for PG Studies. | Resolved and subscribed |
| 9 | 2015-16 | 24.09.2016 | 15 | Laboratory equipments for practical classes | Resolved and necessary equipment procured |
| 10 | | 19.03.2016 | 16 | Health clinic facilities | Resolved and facilities procured |
| 11 | | 07.05.2015 | 16 | LCD projectors in class rooms | Resolved and LCD projectors arranged |

**6.5.1.4. Anti-ragging cell:**

- As per the "UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009" Anti-Ragging cell was established in the College, to curb the ragging menace and is actively functioning.
- As such ragging is not a major problem in the College. In spite of that, all anti-ragging measures stipulated by the Government, Universities and the guidelines received from the Hon'ble Courts are followed in letter and spirit.
- Each year, an anti-ragging squad and committees were formulated at the time of admission of first year students under the chairman ship of the Associate Dean and comprising the wardens of both boys and girls hostels, OSA, and other office bearers and staff members.
- This committee actively monitors the hostels to prevent the means of ragging in the premises.
- Further, A large number of anti-ragging measures that include students counselling, vigil by the faculty and senior students, anti-ragging rallies, talks by the Hon'ble Judges on the legal implications of ragging, police patrolling, counselling, special lectures by psychiatrists etc. The details of the committees of Anti Ragging cell were furnished herewith.

| S. No | Academic year | No. of committees formed during active monitoring period | No of days the committees been on vigilance | No. of ragging issues reported in the campus |
|---|---|---|---|---|
| 1 | 2019-20 | 25 | 45 | Nil |
| 2 | 2018-19 | 24 | 45 | Nil |
| 3 | 2017-18 | 25 | 45 | Nil |
| 4 | 2016-17 | 25 | 45 | Nil |
| 5 | 2015-16 | 25 | 45 | Nil |

### 6.5.1.5. Biological Waste disposal facility:

Except waste generated in kitchen in the form of sweepings and leaf litter and crop residues in the farm, no other type of biological waste is generated at the College. The **w**aste generated from kitchens and crop residues in the farm is subjected to compost initially by heaping to allow partial decomposition and subsequently making vermicompost. The compost generated is used as manure for field crops and ornamental plants in the College campus and hostel premises. There is no hazardous chemical or radio-active wastes are generated through any means in the College.

Usually non hazardous chemical wastes are generated in the Departments of Soil Science and Agricultural Chemistry, Agronomy, Entomology and Plant pathology during conduct of practical classes to under graduate and Post Graduate students to a little extent are released in to abandoned drains in a safe manner.

### 6.5.1.6. Institutional Ethics committee for experiment on animals:

There is no ethics committee functioning at this College, as most of the research programmes at this College deals with plants, soil, microbes and insect pests only.

### 6.5.1.7. Committee for prevention of sexual harassment on women at work places:

Women Protection Cell has been working to receive the grievances from women staff and students of the College.

**Rationale for Women Protection Cell**

- To create awareness of their rights,
- To help raising their voice against all kinds of discrimination,
- To assist them in overall development of their personality

**Functions**

The Women Protection Cell functions for the protection of the rights and any sorts of violence against them. As such, during the orientation programme the students are given information regarding the function of women cell. The girl students are advised to put their problems in writing in the suggestion/complaint boxes fixed in their hostels or to discuss directly with the members of the women protection cell. In case any such problem is reported the members of the women protection cell try to solve the problem through their personal interaction with the complainants and if the matter seems to be out of control, it is to be reported to the head of the institution.

There were no issues/complaints either in oral or written representation of sexual harassment at work place during the period under report.

The Women Protection Cell associates with OSA & NSS units of the College to celebrate various events of women importance in the College campus.

## 6.5.2. Faculty:

### 6.5.2.1. Faculty Strength as on 31/08/2020:

| S. No | Name of the post | Sanctioned strength | Faculty In position | Vacant Position | Recommendations of V$^{th}$ Dean's Committee |
|---|---|---|---|---|---|
| 1 | Professor | 01 | 01+ 06(CAS Prof.) | Nil | 03 |
| 2 | Associate Professor | 11 | 05 | Nil (6 CAS Prof. are adjusted) | 08 |
| 3 | Assistant Professor | 21 | 15+ 04(Teaching Assoc.) +02 (Teaching Asst.) | Nil (4 Teaching Assoc.+2 Teaching Asst. working) | 34 |
| 4 | **TOTAL** | **33** | **33** | **Nil** | **45** |

## Faculty Position during 2015-2020:

| S. No | Name of the post | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
|---|---|---|---|---|---|---|
| **1** | Professor | 02 | 02 | 05 | 05 | 07 |
| **2** | Associate Professor | 02 | 02 | 02 | 08 | 06 |
| **3** | Assistant Professor | 14 | 15 | 18 | 12 | 13 |
| **4** | Total | 18 | 19 | 25 | 26 | 27 |
| **5** | Teaching Associates/ Assistants | 05 | 05 | 06 | 06 | 06 |
| **6** | GrandTotal | 23 | 24 | 31 | 32 | 33 |

## Department wise Faculty positions :

| Department | No of Faculty positions sanctioned (No.) | | | | Faculty positions filled (No.) | | | |
|---|---|---|---|---|---|---|---|---|
| | Professor | Assoc. Prof. | Asst. Prof. | Total | Professor | Assoc. Prof. | Asst. Prof. | Total |
| Associate Dean | 1 | -- | -- | 1 | 1 | -- | -- | 1 |
| Agronomy (including Farm Superintendent) | -- | 1 | 3 | 4 | -- | 1 | 3 | 4 |
| Genetics & Plant Breeding | -- | 1 | 2 | 3 | -- | 1 | 1 | 2 |
| Soil Science & Agricultural Chemistry | -- | 1 | 2 | 3 | -- | 1 | 1 | 2 |
| Entomology | -- | 1 | 2 | 3 | -- | 1 | 2 | 3 |
| Agricultural Economics | -- | 1 | 1 | 2 | -- | 1 | 1 | 2 |
| Agricultural Engineering | -- | 1 | 1 | 2 | -- | 1 | -- | 1 |
| Plant Physiology | -- | 1 | 1 | 2 | -- | 1 | -- | 1 |
| Plant Pathology | -- | 1 | 1 | 2 | -- | 1 | 1 | 2 |
| Agricultural Extension | -- | 1 | 1 | 2 | -- | 1 | 1 | 2 |
| Statistics & Mathematics | -- | 1 | -- | 1 | 0 | 1 | 0 | 1 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Bio-Chemistry | -- | -- | 1 | 1 | -- | -- | 1 | 1 |
| Microbiology & Bio-energy | -- | -- | 1 | 1 | -- | -- | 1 | 1 |
| English | -- | -- | 1 | 1 | -- | -- | -- | -- |
| Horticulture | -- | 1 | 1 | 2 | -- | 1 | 1 | 2 |
| Animal Husbandry | -- | -- | 1 | 1 | -- | -- | -- | -- |
| Library | -- | -- | 1 | 1 | -- | -- | 1 | 1 |
| Physical Education | -- | -- | 1 | 1 | -- | -- | 1 | 1 |
| **Total** | **01** | **11** | **21** | **33** | **01** | **11** | **15** | **27** |

### 6.5.2.2. Faculty Profile (Dept. Wise):

**Agronomy**

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| **1** | Dr. A. Upendra Rao | Professor (CAS) | Male | OBC | Ph.D. | 18 years and 7 months |
| **2** | Sri. B Rajendra Kumar | Asst. Professor | Male | OBC | M.Sc. (Ag.) | 9 years |
| **3** | Dr. M.Srinivasa Rao | Asst. Professor | Male | OBC | Ph.D. | 2 years and 11 months |
| **4** | Dr. B. Jyothi Basu | Asst. Professor | Male | OBC | Ph.D. | 3 years |

**Genetics and Plant Breeding**

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| 1 | Dr. A.Appala Swamy | Professor (CAS) | Male | OBC | Ph.D. | 21 years and 11 months |
| **2** | Dr. M.Srinivasa Rao | Asst. Professor | Male | SC | Ph.D. | 3 years |

**Soil Science and Agricultural Chemistry**

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| 1 | Dr. P. Gurumurthy | Professor (CAS) | Male | OBC | Ph.D. | 18 years and 09 months |
| **2** | K.C. Nataraja | Asst. Professor | Male | OC | M.Sc. (Ag.) | 6 years |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | and 6 Months |

## Entomology

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| **1** | Dr. D.Sanyasi | Professor | Male | ST | Ph.D. | 20 Years and 3 Months |
| **2** | Dr. P.Seetharamu | Associate Professor (CAS) | Male | OBC | Ph.D. | 13 Years and 11 Months |
| **3.** | Sri. D.Anil Kumar | Assistant Professor | Male | SC | M.Sc. (Ag.) | 21 years and 10 months |
| **4.** | N.Sreesandhya | Assistant Professor | Female | SC | M.Sc. (Ag.) | 8 Years and 11 Months |

## Agricultural Economics

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| 1 | Dr.N.Sunanda | Associate Professor (CAS) | Female | OBC | Ph.D. | 13 years and 7 months |
| 2 | Dr. V.Rajendra Prasad | Associate Professor (CAS) | Male | OBC | Ph.D. | 13 years |

## Agricultural Engineering

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| **1** | M.Karunya | Assistant Professor | Female | SC | M.Sc. (Ag.) | 3 years |

## Crop Physiology

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| **1** | Dr. B.Santhosh | Assistant Professor | Male | ST | Ph.D. | 2 years and 11 months |

## Plant Pathology

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| 1 | Dr. M.Suresh | Associate Professor (CAS) | Male | OBC | Ph.D. | 13 Years |
| 2 | Dr. S.Ramesh Babu | Asst. Professor | Male | OBC | Ph.D. | 3 Years |

## Horticulture

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| 1 | N.Bharathi | Assistant Professor | Female | OBC | M.Sc (Hort.) | 07 years |
| 2 | Dr. M.Lakshmi Durga | Asst. Professor | Female | OC | Ph.D. | 2 years and 11 months |

## Agricultural Extension

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| 1 | Dr. M.Suresh Kumar | Professor (CAS) | Male | OC | Ph.D. | 22 years |
| 2 | Dr. S.Neelaveni | Associate Professor (CAS) | Female | OBC | Ph.D. | 13 years |

## Biochemistry

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| 1 | Dr. D.Sudhakara Rao | Associate Professor (CAS) | Male | SC | Ph.D. | 13 years |

## Statistics and Computer Applications

| S.No | Name of the faculty | Designation | Gender | Social status | Educational Qualification | Service in the University |
|---|---|---|---|---|---|---|
| 1 | Dr. G.Mohan Naidu | Professor (CAS) | Male | OC | Ph.D. | 18 years and 10 months |
| 2 | Dr. S.Govinda Rao | Asst. Professor | Male | OBC | Ph.D. | 6 years and 6 months |

The present faculty strength and profile in most of the departments is sufficient enough to carry out the Under Graduate academic activities of the College effectively.

### 6.5.2.3. Credentials of the Faculty:

This institute has employed competent and qualified faculty with good credentials who can accomplish the mission and goals of the institute. The details of the faculty credential are provided herewith, seniority wise. (complete details were provided vide Annexure-1).

| | | |
|---|---|---|
| Department | Agronomy | |
| Name of the Staff | **Dr. A. V Ramana** | |
| Designation | Associate Dean | |
| Date of Joining in University | 15/09/1993 | |
| Highest Educational Qualification | Ph. D | |
| Experience ( As on 25/08/2020) | Total (yrs) | 27 years |
| | Teaching (yrs) | 24 years |
| Number of Peer reviewed publications with NAAS rating | Total | 80 |
| | Last 5 years | 35 |
| Number of M.Sc & Ph.D students Guided | Total | 21 |
| | Last 5 years | 15 |
| Professional Certificates / Honors / Awards | Furnished in the Table Below | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Furnished in the Table Below | |

**Significant Accomplishments, if any (brief):**

- Introduced simple and innovative techniques like '**bucket technique'** to understand why the heavy (Clay) soils weigh light and light (Sandy) soils weigh heavy and the logic behind terming them the *Vice-versa*
- To make the students [First Year B.Sc. (Ag.)] understand the response of crop plants to applied fertilizer, especially at first year level, a simple technique of suggesting the students to apply the given fertilizer in the shape of English alphabets **(Alpha beta loom)** in a densely sown field crops and observing the positive response in terms of vigorous vegetative growth, exactly as in the shapes of the alphabets by which they have applied the fertilizer.
- Proved as successful teacher by virtue of registering highest pass percentage and lowest backlog in all the courses being offered throughout the teaching career.
- Instrumental in successful launching of PG programme in this College.
- Guiding the students to bag maximum number of seats in PG entrance examination and ICAR JRF Examination.
- As Convenor of the food committee, shown outstanding performance in making necessary arrangements during the University level Spots, Games, Cultural and Literary events for Non-Teaching staff of ANGRAU
- Brought laurels to the institute by receiving meritorious teacher award twice from the University in teaching career.
- First ever faculty member of this College to guide a PG student enrolled at Agril. College, Bapatla before launching PG programme at Naira.
- Only faculty member in Agril. College, Naira carrying out departmental research besides teaching assignment
- No record what so ever that is submitted to the University has been returned so far for want of rectifications.

| | | |
|---|---|---|
| Department | AGRICULTUAL EXTENSION | |
| Name of the Staff | **DR.M.Suresh Kumar** | |
| Designation | Professor and Head | |
| Date of Joining in University | 04.06.98 | |
| Highest Educational Qualification | Ph. D. | |
| Experience | Total (Yrs) | 22 |
| | Teaching (yrs) | 15 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | - |
| | Last 5 years | 4 |
| Number of M.Sc & Ph.D students Guided | Total | -- |
| | Last 5 years | -- |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Agronomy | |
| Name of the Staff | **Dr. A. Upendra Rao** | |
| Designation | Professor & Head | |
| Date of Joining in University | 09/01/2002 | |
| Highest Educational Qualification | Ph. D | |
| Experience ( As on25/08/2020) | Total (Yrs) | 18 .7 |
| | Teaching (yrs) | 4 .9 |
| Number of Peer reviewed publications with NAAS rating | Total | 83 |
| | Last 5 years | 34 |
| Number of M.Sc & Ph.D. students Guided | Total | 9 |
| | Last 5 years | 8 |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief):<br>So far, Myself offered total 46 courses (155 hours of credit load) to Under Graduate and Post Graduate students of Agronomy and also offered 11 courses (44 hours Credit load) to Agriculture Diplamo students.<br>Worked in depth in rice agronomy particularly nutrient management, organic farming, methods of crop establishment, water management, weed management and cost reduction technologies; sugarcane, groundnut agronomy and agro met advisory services. Worked on identification of suitable ID crops after *kharif* rice in double cropped delta and development of suitable cropping systems and farming systems for coastal regions and agency areas. I tried my level best for socio economic empowerment of tribal farmers with integrated farming systems approach. | | |

| | | |
|---|---|---|
| Department | Genetics and Plant Breeding | |
| Name of the Staff | **Dr. A. Appala Swamy** | |
| Designation | Professor and Head | |
| Date of Joining in University | 25-09-1998 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 22 years |
| | Teaching (yrs) | 11 years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | - |
| | Last 5 years | Table below |
| Number of M.Sc & Ph.D students Guided | Total | 7(M. Sc) |
| | Last 5 years | - |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief)<br>• Involved in development and release of the following crop varieties<br>o In Rice by SVRC : RGL-11446 (Vamsadadhara)<br>o In Roselle by CVRC : AMV-7 (Janardhan) , AMV 8,<br>o 3. In sugarcane by SVRC: 2003A 255(Co A 08323) ; 2000A225 (CoA05323) | | |

| | | |
|---|---|---|
| Department | Entomology | |
| Name of the Staff | **Dr. Sanyasi Dhurua** | |
| Designation | Professor and Head | |
| Date of Joining in University | 26.05.2000 | |
| Highest Educational Qualification | Ph.D. | |
| Experience | Total (Yrs) | 20 Yrs. |
| | Teaching (yrs) | 07 yrs |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 23 |
| | Last 5 years | 7 |
| Number of M.Sc & Ph.Dstudents Guided | Total | 1 |
| | Last 5 years | 1 |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Statistics & Computer Applications | |
| Name of the Staff | **Dr. G. Mohan Naidu** | |
| Designation | Professor & Head | |
| Date of Joining in University | 25-10-2001 | |
| Highest Educational Qualification | Ph.D. | |
| Experience | Total (Yrs) | 18 years & 10 months |
| | Teaching (yrs) | 18 years & 10 months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | 64 |
| Number of M.Sc & Ph.D students Guided | Total | M.Sc. -3 |
| | Last 5 years | |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |

| | | |
|---|---|---|
| Significant Accomplishments, if any (brief) | | |
| Department | Soil Science and Agricultural chemistry | |
| Name of the Staff | **Dr. P. Gurumurthy** | |
| Designation | Professor and Head | |
| Date of Joining in University | 22.11.2001 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 19 |
| | Teaching (yrs) | 14 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | - |
| | Last 5 years | 7 |
| Number of M.Sc&Ph.Dstudents Guided | Total | 2 as chairman<br>5 as member |
| | Last 5 years | 7 |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief)<br>o Established one Soil Science laboratory and one instrumentation room in the College.<br>o Subject content was developed for three soil science courses and one ELCT course as member of 5thDeans committee for syllabus content development.<br>o Prepared laboratory manuals for courses, SSAC 121, SSAC 221 and ELCT 222<br>o Established a learning module for easy learning by making different soils plots near the SSAC dept<br>o Served additional duties like Warden, OSA, OAM, NSS officer and Placement cell incharge. | | |

| | | |
|---|---|---|
| Department | Agricultural Economics | |
| Name of the Staff | **Dr.N.Sunanda** | |
| Designation | Associate Professor & Head | |
| Date of Joining in University | 26.10.2006 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 13 Y 7 M |
| | Teaching (yrs) | 13 Y 7 M |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 10 |
| | Last 5 years | 4 |
| Number of M.Sc&Ph.Dstudents Guided | Total | 5 |
| | Last 5 years | 5 |
| Significant Accomplishments, if any (brief) | - | |

| | | |
|---|---|---|
| Department | Entomology | |
| Name of the Staff | **Dr. P.Seetharamu** | |
| Designation | Associate Professor | |
| Date of Joining in University | 26-10-2006 | |
| Highest Educational Qualification | Ph. D | |
| Experience | Total (Yrs) | 13 Years, 10 months |
| | Teaching (yrs) | 9 years ,8 months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | 6 |
| Number of M.Sc. &Ph.D students Guided | Total | 02 M.Sc. |
| | Last 5 years | 02 |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |

- Involved as a scientist in release of mesta varaties AMV 7 and AMV 8th
- As a Co-author prepared UG study material and practical manuals at University level.
- Established good insectary and mulberry garden at college for the benefit of students and farmers.
- Imparted hands on training to students in plant protection aspects.
- Organized training programmes to seed growers and FPOs

| | | |
|---|---|---|
| Department | Agricultural Extension | |
| Name of the Staff | **Dr. S. Neelaveni** | |
| Designation | Associate Professor | |
| Date of Joining in University | 31.08.2007 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 13 years |
| | Teaching (yrs) | 7 years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | -- |
| | Last 5 years | Table below |
| Number of M.Sc&Ph.Dstudents Guided | Total | -- |
| | Last 5 years | -- |
| Professional Certificates / Honors / Awards | Table Below | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Table below | |
| Significant Accomplishments, if any (brief) | -- | |

| | | |
|---|---|---|
| Department | Biochemistry | |
| Name of the Staff | **Dr. D. Sudhakara Rao** | |
| Designation | Associate Professor | |
| Date of Joining in University | 3rd Oct. 2006 | |
| Highest Educational Qualification | Ph. D | |
| Experience | Total (Yrs) | 13 |
| | Teaching (yrs) | 13 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | NIL |
| | Last 5 years | Nil |
| Number of M.Sc&Ph.Dstudents Guided | Total | NIL |
| | Last 5 years | NIL |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Plant Pathology | |
| Name of the Staff | **Dr M.Suresh** | |
| Designation | Associate Professor & Head | |
| Date of Joining in University | 19.07.2007 | |
| Highest Educational Qualification | Ph. D | |
| Experience | Total (Yrs) | 13 Years |

| | | |
|---|---|---|
| | Teaching (yrs) | 4 Years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 18 |
| | Last 5 years | 9 |
| Number of M.Sc. & Ph. D. students Guided | Total | Nil |
| | Last 5 years | Nil |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |

Significant Accomplishments, if any (brief):

- Developed the first ever and unique weather based fore warning model for safflower for Alternaria leaf spot in Safflower and this model is recommended to all safflower growing areas, as well as all AICRP centres under safflower.
- Maintenance of Fusarium wilt sick plot for safflower at ARS, Tandur, a national facility and around 2500 germplasm lines around the country are screened and many resistant lines were identified.
- Development of wilt sick plot at ARS, Tandur for *Fusarium udum* in redgram and standardized in vitro and field screening methods for wilt pathogen.
- 13 different isolates of *Fusarium udum* pathogen were collected and characterized.
- Establishment of molecular lab facility at ARS, Tandur
- Establishment of virus indexing facility at RARS, Anakapalle for commercial indexing for YLD in sugarcane.
- Associated with the development of two new varieties: RGT 1 in redgram – resistant to Fusarium wilt and tolerant to SMD and TSF 1 in safflower
- Received First best poster award during the 8$^{th}$ International Safflower Conference held at Hyderabad, 19$^{th}$ to 23$^{rd}$ January 2012.
- DAS-ELISA and RT-PCR procedures were standardized for the detection of ScYLV.
- Received meritorious research scientist award of ANGRAU for 2013.

| | | |
|---|---|---|
| Department | Agricultural Economics | |
| Name of the Staff | **Dr.V.Rajendra Prasad** | |
| Designation | Associate Professor | |
| Date of Joining in University | 13.09.2007 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 12 |
| | Teaching (yrs) | 11 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 2 |
| | Last 5 years | 1 |
| Number of M.Sc & Ph.D students Guided | Total | NIL |
| | Last 5 years | NIL |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |

Significant Accomplishments, if any (brief)
Prepared course Material for the diploma course No: DA-243 (at University level) and practical manual at College level. Prepared course material for the UG Course No: AECO-141 (at College level)
- Paper titled “Analysis of sustainable path for food security in India” was accepted for oral presentation at Global food symposium 2014 at Gottingen, Germany.
-

| | | |
|---|---|---|
| Department | Entomology | |
| Name of the Staff | **Sri. D. Anil Kumar** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 30.11.1998 | |
| Highest Educational Qualification | M.Sc. (Ag.) | |
| Experience | Total (Yrs) | 22 |
| | Teaching (yrs) | 03 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | -- |
| | Last 5 years | Nil |
| Number of M.Sc & Ph.D students Guided | Total | 01 |
| | Last 5 years | 01 |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | -- | |

| | | |
|---|---|---|
| Department | Physical Education | |
| Name of the Staff | **Sri. A.Purushottama Rao** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 24.06.2004 | |
| Highest Educational Qualification | M.PEd | |
| Experience | Total (Yrs) | 16 |
| | Teaching (yrs) | 16 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | -- |
| | Last 5 years | Nil |
| Number of M.Sc & Ph.D students Guided | Total | Nil |
| | Last 5 years | Nil |
| Professional Certificates / Honors / Awards | NA | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | NA | |
| Significant Accomplishments, if any (brief) | -- | |

| | | |
|---|---|---|
| Department | AGRONOMY | |
| Name of the Staff | **B.Rajendra Kumar** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 11-08-2011 | |
| Highest Educational Qualification | M.Sc (Ag) | |
| Experience | Total (Yrs) | 25 |
| | Teaching (yrs) | 9 |
| Number of Peer reviewed publications | Total | 14 |
| | Last 5 years | 5 |
| Number of M.Sc&Ph.Dstudents Guided | Total | nil |
| | Last 5 years | nil |
| Professional Certificates / Honors / Awards | nil | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments | 3 | |
| Significant Accomplishments, if any (brief) | Worked on Sesame and Mesta Agronomy | |

| | | |
|---|---|---|
| Department | Entomology | |
| Name of the Staff | **Mrs. N.Sreesandhya** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 30.08.2011 | |
| Highest Educational Qualification | M.Sc. Ag. | |
| Experience | Total (Yrs) | 09 Yrs. |
| | Teaching (yrs) | 06 yrs |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 3 |
| | Last 5 years | 3 |
| Number of M.Sc & Ph.D. students Guided | Total | None |
| | Last 5 years | - |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Soil Science & Agricultural Chemistry | |
| Name of the Staff | **K.C. Nataraja** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 21.02.2014 | |
| Highest Educational Qualification | M.Sc (Agri) | |
| Experience | Total (Yrs) | 6 years, 6 Months |
| | Teaching (yrs) | -- |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 02 |
| | Last 5 years | -- |
| Number of M.Sc & Ph.D students Guided | Total | -- |
| | Last 5 years | -- |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | Annexure | |

| | | |
|---|---|---|
| Department | Statistics & Computer Applications | |
| Name of the Staff | **Dr. S. Govinda Rao** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 22-02-2014 | |
| Highest Educational Qualification | Ph. D. | |
| Experience | Total (Yrs) | 6 Years and 6 Months |
| | Teaching (yrs) | 4 Years 2 Months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 8 |
| | Last 5 years | 8 |
| Number of M.Sc & Ph.D students Guided | Total | Nil |
| | Last 5 years | -- |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | -- | |

| | | |
|---|---|---|
| Department | Agricultural Engineering | |
| Name of the Staff | **M.Karunya** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 21.08.2017 | |
| Highest Educational Qualification | M.Tech., in Agril. Engineering | |
| Experience | Total (Yrs) | 3 Years |
| | Teaching (yrs) | 3 Years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | Nil |
| | Last 5 years | |
| Number of M.Sc & Ph.D students Guided | Total | Nil |
| | Last 5 years | |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Plant Pathology | |
| Name of the Staff | **Dr. S.Ramesh Babu** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 22.08.2017 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 3 Years |
| | Teaching (yrs) | 3 Years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 3 |
| | Last 5 years | 3 |
| Number of M.Sc&Ph.Dstudents Guided | Total | |
| | Last 5 years | |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Agronomy | |
| Name of the Staff | **Dr. B. Jyothi Basu** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 22-08-2017 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 3 years |
| | Teaching (yrs) | |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 1 |
| | Last 5 years | 1 |
| Number of M.Sc & Ph.D students Guided | Total | - |
| | Last 5 years | - |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Genetics and Plant Breeding | |
| Name of the Staff | **Dr.M. Srinivasa Rao** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 23.08.2017 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 3 |
| | Teaching (yrs) | 3 |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | -- |
| | Last 5 years | - |
| Number of M.Sc&Ph.Dstudents Guided | Total | -- |
| | Last 5 years | -- |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Agronomy | |
| Name of the Staff | **Dr. M. Srinivasa Rao** | |
| Designation | Asst. Professor | |
| Date of Joining in University | 28.08.2017 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 3 Years |
| | Teaching (yrs) | 1 Year 9 Months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | |
| | Last 5 years | 1 |
| Number of M. Sc & Ph .D students Guided | Total | Nil |
| | Last 5 years | Nil |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Horticulture | |
| Name of the Staff | **Dr. M. Lakshmi Durga** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 28.08.2017 | |
| Highest Educational Qualification | Ph.D | |
| Experience | Total (Yrs) | 3 years |
| | Teaching (yrs) | 1.9 years |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 3 |
| | Last 5 years | -- |
| Number of M.Sc. & Ph.D students Guided | Total | -- |
| | Last 5 years | |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

| | | |
|---|---|---|
| Department | Crop Physiology | |
| Name of the Staff | **B. Santhosh** | |
| Designation | Assistant Professor | |
| Date of Joining in University | 08.09.2020 | |
| Highest Educational Qualification | Ph. D | |
| Experience | Total (Yrs) | 2 Years 11 Months |
| | Teaching (yrs) | 2 Years 11 Months |
| Number of Peer reviewed publications with 5.0 or above NAAS rating | Total | 04 |
| | Last 5 years | 04 |
| Number of M.Sc & Ph.Dstudents Guided | Total | Nil |
| | Last 5 years | |
| Professional Certificates / Honors / Awards | Annexure | |
| Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years) | Annexure | |
| Significant Accomplishments, if any (brief) | | |

## 6.5.2.4. Technical and supporting staff:

| S.No | Name of the post | Sanctioned strength | In position | Vacant |
|---|---|---|---|---|
| 1 | Assistant Executive Engineer | 1 | 1 | -- |
| 2 | Care Taker (Senior Asst.) | 1 | 1 | -- |
| 3 | Junior Library Assistant | 1 | 1 | -- |
| 4 | Store Keeper (JACT) | 1 | 1 | -- |
| 5 | A.E.O | 1 | 1 | -- |
| 6 | Driver (Tractor/Jeep/Bus) | 4 | 4 | -- |
| 7 | Field Supervisor | 3 | 0 | 3 |
| 8 | Record Assistants | 10 | 9 | 1 |
| 9 | Shelf Assistant | 2 | 1 | 1 |
| 10 | Office Subordinate | 12 | 6 | 6 |
| 11 | Cook | 2 | 1 | 1 |
| 12 | Scavenger | 1 | 1 | -- |
| 13 | Sweeper | 2 | 0 | 2 |
| 14 | Agril. Workmen | 2 | 0 | 2 |
| 15 | Watchman | 6 | 2 | 4 |
| 16 | Ground Man | 1 | 1 | -- |
| 17 | Ward Boy | 1 | 0 | 1 |
| 18 | Waitors | 2 | 1 | 1 |

| S.No | Type of Man power | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Time scale employees (Men & Women) | 134 | Watch & ward,Agricultural operations, other farm activities, PG research experiments etc., |

## 6.5.3. Learning Resources

### 6.5.3.1. Library, Agricultural College, Naira.

The Library does have a rich collection of books, some of which are very rare and unique. The Library does have in its possession a number of books besides different kinds of encyclopaedia. The Library also having subscription regularly to Scientific Journals, News Letters, Magazines and daily News Papers.

The users of the Library includes not only the students and staff of the College but also the technical staff of the nearby Agricultural Research Station Ragolu, Mesta Research Station, Amadalavalasa, Krishi Vigyan Kendra and DAATT Centre besides Departmental Officers including District Officers. The Library does have two large reading halls. The Digital Library is provided high-speed 40 MBPS Internet with *Wi-Fi* connectivity for the use of students and staff of the College

❖ **Staff in the Library**

Assistant Librarian i/c: Dr. S. Govinda Rao, Asst. Professor (Statics and computer applications)

| S. No. | Year | Staff in position | | | | Total in position |
|---|---|---|---|---|---|---|
| | | Regular | Contract | Out sourcing | Time Scale | |
| 1 | 2015-16 | 2 | 1 | 1 | 1 | 5 |
| 2 | 2016-17 | 2 | 1 | 1 | 1 | 5 |
| 3 | 2017-18 | 2 | - | 1 | 1 | 4 |
| 4 | 2018-19 | 1 | - | 1 | - | 2 |
| 5 | 2019-20 | 1 | - | 1 | - | 2 |

❖ **Trainings conducted: 02 (Two)**

| S. No. | Year | No. of Trainings conducted | Name of the Training |
|---|---|---|---|
| 1*. | Up to 2014-15 | -- | -- |
| 2*. | 2015-16 to 2019-2020 | 2 | One day Orientation and User Awareness Training Programme on 'Consortium for e-Resources in Agriculture' (CeRA) (2 times) |
| **Total** | | **2** | |

- 1*& 2* Organized **One day Orientation and User Awareness Training Programme on 'Consortium for e-Resources in Agriculture' (CeRA)** to the students and staff of Agricultural College, Naira on 22nd September, 2018 and 24th

October, 2019 by Mr.B. S. Ravishankar, Training Conultant from **Informatics, Bangalore.**

**Visitors:**

- Dr. S. R. Koteswarar Rao, DSA and University Librarian and Honorable Board Member, ANGRAU, Lam Guntur Visited and inspected the Library and given instructions to run the library in a smooth manner on 13th October, 2018
- Dr. V. Damodar Naidu, Honorable Vice-Chancellor, ANGRAU visited the library and given suggestions to maintain digital library on 13th October, 2018

**Library Strengthening:**

**Status of Funds Disbursed and Facility & Resources Developed Cost:**

| Year | Funds Received (Rs.) | List of Digitization Facility & Resources Development | No. of Faculty & Students availing Facilities | Total Cost (Rs.) |
|---|---|---|---|---|
| 2015-16 | 3,08,000.00 | Books, Journals, Chairs, Tables Binding of Books News papers and Magazines , Antivirus, Paintings to Library | Students -13,243<br>Staff - 1344<br>**total - 14,587** | 3,08,000.00 |
| 2016-17 | 7,31,000.00 | Books, Journals, UPS, Computers Antivirus, Xerox machines repairs, News papers, Magazines and Toners | Students -13,247<br>Staff - 1252<br>**total - 14,470** | 7,31,000.00 |
| 2017-18 | 5,31,000.00 | Books, Journals, UPS, Computers, Antivirus, Xerox machines repairs, News papers, Magazines and Toners | Students -12,653<br>Staff - 1223<br>**total - 13,905** | 5,31,000.00 |
| 2018-19 | 6,31,000.00 | Books, Journals, UPS, Computers, Desktops and its accessories, Antivirus, Xerox machines repairs News papers, Magazines and Toners | Students -10,129<br>Staff - 265<br>**total - 10394** | 6,31,000.00 |
| 2019-20 | 6,81,000.00 | Books, Journals, quality plastic chairs, steel tables, Acrylic Tables, white Boards, Antivirus, Xerox machines repairs, Cartridge and Toners | Students -7949<br>Staff - 194<br>**total - 8,143** | 6,81,000.00 |
| **Total** | **28,82,000.00** | | **61, 499** | **28,82,000.00** |

## Books in position in the College Library

| S. No | Year | No. of Books | No. of Journals | News Letters | Thesis | Magazines | News Papers |
|---|---|---|---|---|---|---|---|
| **1.** | **Up to 2014-2015** | **11484** | **717** | **282** | **11** | **330** | **--** |
| 2. | 2015-2016 | 164 | 31 | 5 | 6 | 6 | 6 |
| 3. | 2016-2017 | 257 | 29 | 5 | 9 | 6 | 6 |
| 4. | 2017-2018 | 247 | 31 | 5 | 2 | 6 | 6 |
| 5. | 2018-2019 | 1438 | 26 | 5 | 3 | 6 | 5 |
| 6 | 2019-2020 | 291 | 21 | 5 | 5 | 6 | 5 |
| **Total for last 5 years** | | **2397** | **138** | **25** | **25** | **30** | **--** |
| **Total in position** | | **13881** | **855** | **307** | **36** | **360** | **--** |

## Digital library

| S.No. | Item Name | Up to 2014-2015 | 2015-16 to 2019-2020 | Total in Position | Total No. of users 2015-16 to 2019-2020 |
|---|---|---|---|---|---|
| 1. | Systems | 30 | 03 | 33 | 15,086 |
| 2. | Koha Software Uploaded | -- | 1 | 1 | |
| 3. | Printers | 05 | -- | 05 | |
| 4. | Scanners | 04 | -- | 03 | |
| 5. | UPSs | 03 | -- | 02 | |
| 6. | Internet Facility | 10 MBPS | Up graded to 40 MBPS | -- | |
| 7. | Computer Tables | 33 | 07 | 40 | |
| 8. | Computer Chairs | 34 | 09 | 43 | |

## Koha software (Server)

| S. No. | Particulars | Available Resources | Uploaded in KOHA Software |
|---|---|---|---|
| 1. | Books | 13881 | 11750 |
| 2. | Theses | 36 | 36 |
| 3. | Staff | 48 | 48 |
| 4. | Students | 386 + 151*<br>(*Out going batch) | 386 |

## Infrastructure Facilities

| S.No. | Item Name | Up to 2014-2015 | 2015-16 to 2019-2020 | Total in Position |
|---|---|---|---|---|
| 1. | Systems | 30 | 03 | 33 |
| 2. | Printers | 05 | -- | 05 |
| 3 | Scanners | 04 | -- | 03 |
| 4 | UPSs | 03 | -- | 02 |
| 5 | Xerox Machines | 04 | -- | 02 |
| 6 | ACs | 04 | 02 | 05 |
| 7 | Air Cooler | 01 | -- | 01 |
| 8. | Inverter | 01 | -- | 01 |
| 9. | R.O.Plant | 01 | 01 | 01 |
| 10. | Spiral Binding Machines | 02 | -- | 02 |
| 11. | CC Cameras Systems | 01 | -- | 01 |
| 12. | Glass Cupboards | 38 | -- | 38 |
| 13. | Tables | 22 | 09 | 31 |
| 14. | Chairs | 128 | 52 | 180 |
| 15. | Book Cases | 27 | -- | 27 |
| 16. | Iron Racks | 32 | -- | 32 |

## Details of the visitors to the Campus:

| Year | Officers from state and Union Governments and Corporate | Total No. of Visitors |
|---|---|---|
| 2015-16 | 3 | 3 |
| 2016-17 | 2 | 2 |
| 2017-18 | 3 | 3 |
| 2018-19 | 3 | 3 |
| 2019-20 | 2 | 2 |
| **Total** | **13** | **13** |

## Year wise Library Expenditure for 5 Years (from 2015-2016 to 2019-2020) Under Non – Plan and ICAR

| S. No | Year | Budget (Rs.) | | | Expenditure (Rs.) | | |
|---|---|---|---|---|---|---|---|
| | | Non-Plan | ICAR | IDP | Non-Plan | ICAR | IDP |
| 1. | 2015-16 | 3,08,000 | -- | -- | 2,48,470 | --- | -- |
| 2. | 2016-17 | 3,31,000 | 4,00,000 | -- | 3,29,832 | 3,99,059 | -- |
| 3. | 2017-18 | 3,31,000 | 2,00,000 | -- | 3,28,898 | 199,996 | -- |
| 4. | 2018-19 | 3,31,000 | 3,00,000 | 5,00,000 | 3,26,515 | 2,98,460 | |
| 5. | 2019-20 | 3,31,000 | 3,50,000 | -- | 3,30,574 | 3,49,719 | |
| **Total (Rs.)** | | **16,32,000** | **12,50,000** | **5,00,000** | **15,64,289** | **12,47,234** | **4,99,996** |
| **Grand Total (Rs.)** | | **33,82,000** | | | **33,11,519** | | |

### 6.5.3.2. Laboratories, Instructional farm, Workshops, Ponds etc.:

This college is having spacious well ventilated eight class rooms for UG and two for PG for conducting theory classes. Practical classes of UG and PG courses are conducted in the laboratory facilities available in respective departments, College Farm and Central Instrumentation Cell. Most of the Departments in the college having sufficient well equipped laboratories for conducting practical classes effectively. Students usually get good practical exposure and hands on training at this college.

| Programme | Number of Classrooms | Number of Functional Laboratories | Justification |
|---|---|---|---|
| B. Sc (Hons) Agriculture | 08 (2400$m^2$) | 13(5500$m^2$)+ 1 Green house +Farm spreading over 150 Ac of cultivated area | All the classrooms are well equipped and all the Laboratories are functional and sufficient to conduct theory and practical classes and to provide good hands on training to U.G and PG students. |
| M. Sc. (Ag.) | 02 | 02(600$m^2$)+1(Central instrumentation cell)+Farm | |

Department-wise laboratories established:

| Sl. No. | Department | Name of the Laboratories |
|---|---|---|
| 1 | Agronomy | UG & PG Lab |
| 2 | Genetics & Plant Breeding | Cytogenetics & Plant Breeding Lab |
| 3 | Soil Science & Agricultural Chemistry | Soil Science & Agricultural Chemistry Lab |
| 4 | Bio-chemistry | Bio-chemistry Lab |
| 5 | Entomology | UG & PG Lab |
| 6&7 | Plant Pathology | Plant Pathology Lab |
| | | Microbiology Lab |
| 8 | Crop Physiology | Crop Physiology Lab |
| 9 | Agricultural Engineering | Agricultural Engineering Lab |
| 10 | Horticulture | Horticulture Lab |
| 11 | Agricultural Economics | Agricultural Economics Lab |
| 12 | Agricultural Extension | Audio visual Lab |
| 13 | Statistics & Mathematics | Computer Lab |
| 14 | Central instrumentation cell | |
| 15 | Green house | |

**List of major equipments/laboratories / farm facilities/ workshops/ other institutional units utilized for award of degree programmes (Department Wise)**
**Agronomy:**

| S.No | Name of the equipment | No of units |
|---|---|---|
| 1 | Rapid moisture meter | 2 |
| 2 | Lux meter | 1 |
| 3 | Laptop Computer( Compaq Presario-C 738 TU) | 1 |
| 4 | Barometers(Aneroid type – 100mm dia0 | 2 |
| 5 | Tensio meters | 2 |
| 6 | LCD projector (Sony make) along with screen and stand | 1 |
| 7 | Laboratory willy mill | 1 |
| 8 | Spectophotometer | 1 |
| 9 | Miniature models of agricultural implements | 21 |
| 10 | Portable electronic balance | 1 |
| 11 | Hot air oven | 1 |
| 12 | Digital temperature control cum Indicator for hotair oven | 1 |
| 13 | Lenova compuer | 1 |
| 14 | Conductivity meter, VSI Make | 1 |
| 15 | PH Meter, VSI Make | 1 |
| 16 | Compac computer | 1 |
| 17 | Kemi hot air oven | 1 |
| 18 | Sony LCD Projector | 1 |
| 19 | Soil moisture and PH Meter | 1 |
| 20 | Dickey john's Multi grain Moisture Meter | 2 |
| 21 | Runoff stage level recorder | 1 |
| 22 | Soil auger (screw type) | 6 |
| 23 | Refractometer (Abbes type) | 2 |
| 24 | Thermister thermometer | 3 |
| 25 | Barograph | 1 |
| 26 | Cup counter anemometer | 1 |
| 27 | Infra red moisture balance | 1 |
| 28 | Infra red thermo meter | 1 |
| 29 | Psychrometer | 1 |
| 30 | Light meter | 1 |
| 31 | Double ring infiltrometer | 2 |
| 32 | Water meter 2'' | 1 |
| 33 | Run off stage level recorder | 1 |
| 34 | Parshall flume | 2 |
| 35 | Hot air oven | 1 |

## Genetics and plant breeding:

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Dissection Microscope (ASCO) | 45 |
| 2 | Olympus Student Microscope | 35 |
| 3 | Student Analytical Balance | 01 |
| 4 | Agrosaw Illuminated Purity work board | 06 |
| 5 | Agrosaw Grain divider | 02 |
| 6 | Agrosaw Seed Sampling Triers | 04 |
| 7 | Infrared digital moisture meter | 02 |
| 8 | Binocular Research Microscope | 03 |
| 9 | LCD projector Sony | 01 |
| 10 | KEMI Tissue culture racks | 01 |
| 11 | Labtop dual chamber micro controller based plant growth chamber | 01 |
| 12 | Camera Lucida – Prism and Mirror type | 02 |

## Soil Science & Agricultural Chemistry:

| S.No | Name of the Equipment | No of units |
|---|---|---|
| 1 | Atomic Absorption Spectrophotometer (AAS) | 1 |
| 2 | UV Spectrophotometer | 1 |
| 3 | Kel Plus – Nitrogen Analyzer | 1 |
| 4 | Flame Photometer | 1 |
| 5 | Millipore - Water distillation Unit | 1 |
| 6 | pH meter | 2 |
| 7 | Electrical Conductivity meter | 2 |
| 8 | Yoder's apparatus | 1 |
| 9 | Double Ring infiltrometer | 1 |
| 10 | Centrifuge | 1 |
| 11 | Orbital Shaking incubator | 1 |
| 12 | Deep freezer | 1 |
| 13 | Muffle furnace | 1 |
| 14 | Micro balance | 1 |
| 15 | Fume cupboard chamber | 1 |
| 16 | Core Sampler | 1 |
| 17 | Hot air oven | 1 |
| 18 | Hot plate | 1 |

## Entomology:

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Stereo Zoom Microscope with image analyser | 1 |
| 2 | Stereo Zoom Microscope | 1 |
| 3 | Magnoscopes (Bench Magnifiers) | 16 |
| 4 | KEMI B.O.D Incubator | 1 |
| 5 | PC based UV-VIS Spectrophotometer Model-119 | 1 |
| 6 | Electronic Digital Balance | 2 |
| 7 | Micro Syringe Applicator with Needle | 2 |

| | | |
|---|---|---|
| 8 | REMI medico Plus Centrifuge | 1 |
| 9 | REMI Compact Cooling Centrifuge | 1 |
| 10 | KEMI Laminar Air Flow Cabinet | 1 |
| 11 | KEMI Hot Air Oven | 1 |
| 12 | KEMI Autoclave | 1 |

## Plant Pathology:

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Refrigerated incubator cum shaker | 1 |
| 2 | Micropipettes | 1 set |
| 3 | Trinocular Microscope-Camera attached | 1 |
| 4 | BOD incubator | 1 |
| 5 | Single distillation apparatus | 1 |
| 6 | pH meter | 1 |
| 7 | Digital electronic balance-internal | 1 |
| 8 | EC meter | 2 |
| 9 | Hot Air Oven | 1 |
| 10 | Autoclave vertical | 1 |
| 11 | Laminar air flow chamber | 2 |

## Crop Physiology :

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1. | Compound Microscopes | 13 |
| 2. | Stereo Microscopes | 03 |
| 3. | Seed Germinator | 01 |
| 4. | Hot air oven | 01 |
| 5. | Microtome | 01 |
| 6. | Leaf area meter (Digital) | 01 |
| 7. | UV-VIS Spectrophotometer | 01 |
| 8. | Electronic Digital Balance | 2 |
| 9. | Centrifuge | 01 |

## Agricultural Engineering :

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Theodolite | 1 |
| 2 | Current meter | 1 |
| 3 | Weighing balance (1000g) | 1 |
| 4 | SPV Lightening system | 1 |
| 5 | Solar water heater | 1 |
| 6 | Newton mini floor machine | 1 |
| 7 | Ignition cut models | 1 |
| 8 | Fuel supply cut models | 1 |

| | | |
|---|---|---|
| 9 | Parshall flume | 2 |
| 10 | Gear box cut model | 1 |
| 11 | 2-stroke petrol and desiel I.C. Engine | 1 each |
| 12 | 4-stroke petrol and desiel I.C. Engine | 1each |

## Horticulture:

| S.No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1. | Budding knife with budder | 20 |
| 2. | Budding cum Grafting knife | 26 |
| 3. | Hand Refractometer | 02 |
| 4. | Vijaya Oven for Baking | 01 |
| 5. | Hot air oven (60 x 60 x 60 cm) | 01 |
| 6. | ABBE – Refractometer | 01 |
| 7. | Stereo binocular microscope | 01 |
| 8. | L.G. Refrigerator (175 lts) | 01 |
| 9. | Sony Digital still camera | 01 |
| 10. | HP 1020 plus Laser printer | 01 |
| 11. | Computer desktop intel cane E2180 | 01 |
| 12. | Sanyo LCD Projector | 01 |
| 13. | Compaq 620/ intel core lap top | 01 |
| 14. | Butterfly mixer grinder | 01 |
| 15. | 4x6 LCD Projector screen | 01 |
| 16. | Electronic balance | 03 |
| 17. | Personal computer with SVGA colour monitor & its software. | 01 |
| 18. | Propagation polythene tunnel | 01 |
| 19. | Hot air oven | 01 |
| 20. | Secatures | 57 |
| 21. | INFOCUS class room projector | 01 |
| 22. | Hand Refractometer 0-32% | 03 |
| 23. | Hand Refractometer 58-92% | 02 |
| 24. | Double seaming machine (Elec) | 01 |

## Statistics and Computer applications:

| S.No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1. | Desk Top Computers | 35 |
| 2. | Laptop computers | 02 |
| 3. | Scanners | 02 |
| 4. | HP Laserjet printers | 01 |
| 5. | LCD Projector | 02 |

## Instructional farm

Agricultural College Naira is famous for its well layed out farm spreading over 251acres. It was supported by Vamsadhara lift irrigation and cannal command to some extent.The predominant soil of Naira is sandy clay loams suitable for cultivation of rice during kharif and fallow pulses during rabi. This college is having sizeable area under Mango, guva and cashew orchards also. Year round maintenance of crop cafeteria by the students is the uniqueness of the college.This college is very famous among the farmers because of its quality seed production and supply to farmers. The farm also having enough farm equipments, machinery and processing units for the purpose.

| Sl.No. | Area under utilisation | Extent (ac) |
|---|---|---|
| **I** | **Total area** | **251.07** |
| a) | Area alloted to KVK, Amadalavalasa | 30.00 |
| b) | Area alloted to NRRI Cuttack (1.5 acres are them) | 1.50 |
| II | Area available with Agril. College, Naira (II-I) | 219.57 |
| IV | Land under roads, Buildings, Play, ground, Hostels, Farm ponds, Threshing floor, Irrigation channels etc., | 64.57 |
| V | **Net cultivable area (III-IV)** | **155.00** |
| a) | Area under orchards (Sapota, Coconut, Mango, Guava, Cashew, Jack fruit and Eucalyptus) | 55.00 |
| b) | **Net area under arable crops** | **100** |

| | |
|---|---|
| a. Open Wells | 4 No.s |
| b. Submersible wells | 4 No.s |
| c. Farm ponds | 10 No.s |
| d. Canals | 1 (Vamsadhara right canal connecting Chintada - S.S valasa to Alikam (L28)) |
| Details of farm machinery | 4 tractors( Mahindra – 2, Johndeer -2)<br>All crop thresher – 1<br>Paddy Reaper - 1<br>Ferti cum seed drill -1<br>MSRI transplanters - 2 No.s<br>Brush cutter- 1 No. |
| Details of threshing yards and storage facilities | Threshing yards - 6<br>Seed Processing plants- 2<br>Seed storage Godown - 2 |
| Whether meteorological observatory | Class - B meteorological observatory |

### 6.5.3.3. Student READY/ In-Plant Training / Internship / Experiential Learning Programmes:

### i. Details of RAWE Programme :

| Year | Name of the RAWEP Center | No. of students | Number of villages allotted | Name of the villages allotted |
|---|---|---|---|---|
| 2015-16 | DAATTC, Visakhapatnam | 25 | 5 | Sitanagaram, M.Jagannadhapuram, Chuchukonda, Narayanapuaram, Arabupalam. |
| | DAATTC, Vizianagaram | 26 | 6 | Itlamamidipalli, Naiduvalasa, Vasadi, Badatanapalli, Kottam, Annamarajapeta. |
| | KVK, Rastakuntabai Vizianagaram | 22 | 4 | Sivannapeta, Gargaraivalasa, Venkata Bhyripuram, Paradi. |
| 2016-17 | DAATTC, Amadalavalasa, Srikakulam | 21 | 4 | Sirusuvada,Nadimikkalla,Ravada, Laxmipera |
| | DAATTC, Vizianagaram | 33 | 6 | Chittikunakalam, Pittada, Kovvadapeta, Chinagudipeta, Govindapuram, Mettavalasa |
| | KVK, Rastakuntabai | 24 | 5 | Dallivalasa, Thotapalli, Sivannapeta, Padabondapalli, Narayanappa, |
| | DAATTC, Visakhapatnam | 23 | 3 | Dibbapalem, M.Jaganadhapuram, Rayapurajupeta |
| 2017-18 | DAATTC, Amadalavalasa, Srikakulam | 16 | 3 | Ponduru, Kosta,Nadikuru |
| | DAATTC, Vizianagaram | 24 | 6 | Pittada, Budatanapalli, Govindapuram, Vasadi, Mamdipalli, Makkuva |
| | KVK, Rastakuntabai | 14 | 3 | Mundenkhel, Nandavanivalasa,Sivannapeta |
| | DAATTC,Visakhapatnam | 30 | 5 | Chuchikonda, Seethanagaram, Narayanapuram, Rayapurajupeta, Arabupalem |
| 2018-19 | DAATTC, Amadalavalasa, Srikakulam | 20 | 4 | M.J.Valasa ,Narayanavalasa ,Palavalasa Vasudevapatnam |
| | DAATTC, Vizianagaram | 19 | 4 | Karlam ,Vasadi ,Budathanapalli ,Annamrajupeta |
| | KVK, Rastakuntabai | 26 | 4 | Sivannapeta ,Gavarampeta ,Naguru ,Raminaiduvalasa |
| | KVK, Kondempudi | 24 | 5 | Ravikamatam ,Dondapudi ,Vaddadi ,Bangarumetta Mediwada |
| 2019-20 | DAATTC, Amadalavalasa, Srikakulam | 39 | 7 | M.J.Valasa,Narayanavalasa,Palavalasa,,Vasudevapatnam Siripuram,Jalumuru ,Laveru ,Polaki |
| | DAATTC, Vizianagaram | 39 | 8 | Vasadi,Kella,Annamrajupeta,Rajipeta Gundala peta ,Rajee Peta, |

| | | | | |
|---|---|---|---|---|
| | | | | Annamraju Peta ,Paradi |
| | KVK, Rastakuntabai | 32 | 7 | Sivannapeta ,Gangareguvlasa,Narsipuram ,angaraiyapuram ,Buddipeta ,Gangareguvalasa ,Naguru |
| | KVK, Kondempudi | 34 | 10 | Ravikamatam ,Dondapudi,Vaddadi, Bangarumetta ,Mediwada, Kottapenta, RY Agraharam, Kintada ,Santhapalem,R Narsapuram |

## ii. Details of Internship

| Year | No. of Students | Location | Duration | |
|---|---|---|---|---|
| | | | From | To |
| 2015-16 | 26 | DAATTC, Anakapalle | 27.07.2015 | 28.12.2015 |
| | 25 | DAATTC, Vizianagaram | | |
| | 22 | KVK Rastakuntabai | | |
| 2016-17 | 21 | DAATTC, Amadalavalasa, | | |
| | 33 | DAATTC, Vizianagaram | | |
| | 24 | KVK, Rastakuntabai | | |
| | 23 | DAATTC, Visakhapatnam | | |
| 2017-18 | 85 | Jute Factory, Pogiri,<br>Sericulture Unit, Jallapeta, Gara Mandal,<br>Sri Seetha Rama Lakshmi Jute Mill, Palakhandyam, G. Sigadam mandal,<br>Kesava Jute Mill, Rajam, Rajam Mandal.<br>SVRG Cooperative Sugar Factory, Bheemasinghi<br>Radhika Vegtable Oils, Salur | 24.11.2017 | 23.12.2017 |
| 2018-19 | 20 | Neelamma Thalli Multi Grain Biscuit Factory, Hiramandalam, Srikakulam (dt.)<br>& Kesava Jute Mill, Rajam, Srikakulam(dt.) | 26.11.2018 | 27.12.2018 |
| | 26 | Gajapathi Co-operative Sugar Factory, Bheemasingi, Jami (M), Vizianagaram (dt.) & Sri Venkata Ramana Feed Mixing & Poultry Farms Pvt. Ltd., Karlam, Cheepurupalli (M), Vizianagaram (dt.) | | |
| | 19 | Lakshmi Balaji Oil Palm Factory, Attada (Vill.), Kurupam (M), Vizianagaram (dt.) & NCS Sugars Limited, Bobbili, Vizianagaram (dt.) | | |
| | 24 | D.Chodavaram Co-operative Sugars Ltd., Govada (Vill.), Chodavaram (M), Visakhapatnam (dt.) | | |
| 2019-20 | 12 | Sri V.S Naidu, Managing Director, The Chodavaram Co-operative Sugars Ltd. Govada, Visakhapatnam (Dist) 531023 | 26.12.2019 | 28.01.2020 |
| | 17 | Sri P. Balakrishna, Dist Manager (Seeds), Salur, APPSSDC, Vizianagaram (Dist) | | |
| | 09 | Sri K.Appa Rao, Sr.Manager, EID Parry Sugars Ltd, Sankili - 532440 | | |
| | 15 | Sri A.G.V.S Prasad, Personnel Officer, Keshava Jute Mills Pvt. Ltd, Rajam - 532127 | | |

## Activities performed by RAWEP students in villages (2015-16 to 2019-20)

| Year | No. of Method demonstrations conducted | No. of Group discussions organised | No. of Information Corners displayed | No. of Vocational trainings attended | No. of Rythusadassu organised at Centre level | Documentation of ITKs and Farmer Innovations | No. of Internship programmes attended |
|---|---|---|---|---|---|---|---|
| 2015-16 | 60 | 62 | 45 | 8 | 3 | 5 | 3 |
| 2016-17 | 72 | 85 | 72 | 8 | 4 | 4 | 4 |
| 2017-18 | 90 | 97 | 76 | 8 | 4 | 6 | 6 |
| 2018-19 | 92 | 102 | 82 | 8 | 4 | 2 | 6 |
| 2019-20 | 120 | 130 | 120 | 4 | 5 | 5 | 4 |
| **Total** | **434** | **476** | **395** | **36** | **20** | **22** | **23** |

### iii. Details of ELP :

| Year | Nam of the Unit | No. of students | Product generated (Mt) | Expenditure (Rs.) | Income generated (Rs.) |
|---|---|---|---|---|---|
| 2015-16 | Sweet Corn Production | 11 | 0.9 | 15185 | 92245 |
| | Vermi composting Unit-I | 09 | 4.0 | 7460 | 20000 |
| | Vermi Composting Unit –II | 09 | 4.3 | 10852 | 23500 |
| | Maize &Ragi Seed Production | 11 | 0.3 | 3389 | 67696 |
| | Mushroom Production | 10 | 0.2 | 10170 | 24500 |
| | Commercial Vegetable Production | 11 | 1.0 | 12170 | 28400 |
| | Water Melon Production | 10 | 2.5 | 9720 | 27540 |
| 2016-17 | Sweet Corn Production | 12 | 0.7 | 13650 | 70400 |
| | Vermi composting Unit-I | 10 | 4.0 | 4310 | 20942 |
| | Vermi Composting Unit –II | 10 | 4.5 | 14700 | 26000 |
| | Ragi seed production-I | 9 | 0.04 | 0 | 810 |
| | Ragi seed production-II | 8 | 0.11 | 4043 | 11010 |
| | Commercial cultivation of water melon | 10 | 4.7 | 13970 | 47000 |
| | Commercial Cultivation of Sunflower | 09 | 0.15 | 1745 | 15750 |
| | Mushroom cultivation | 07 | 0.046 | 5809 | 4600 |
| | Commercial Cultivation of Cucurbits | 09 | 0.1 | 19865 | 10000 |
| | Ground nut production | 11 | 0.14 | 10526 | 14720 |
| 2017-18 | Prakruthi sweet corn unit | 10 | 0.6 | 26864 | 56565 |
| | Arogya vegetable unit | 09 | 0.2 | 11268 | 2623 |
| | Surya vermi compost unit | 10 | 7.0 | 15189 | 41590 |
| | Amrutha watermelon unit | 10 | 3.6 | 15713 | 36655 |
| | Pearl mushroom unit | 11 | 0.07 | 6237 | 6875 |
| | Brundavan floriculture unit | 10 | 1.4 | 5567 | 14 432 |
| | Aditya sunflower unit | 10 | 0.02 | 9253 | 2447 |
| | Sujal cucurbits unit | 10 | 0.9 | 9306 | 9832 |

| | | | | | |
|---|---|---|---|---|---|
| 2018-19 | Prakruthi Sweet Corn Unit | 10 | 0.8 | 24715 | 80015 |
| | Amrutha Watermelon Unit | 10 | 5.8 | 7247 | 58710 |
| | Surya Vermi Compost Unit | 10 | 4.20 | 22532 | 34000 |
| | Arogya Vegetable Unit | 10 | 0.2 | 5655 | 21000 |
| | Brundavan Flouri Culture Unit | 10 | 0.26 | 8015 | 26000 |
| | Promotion of Multimedia in TOT | 09 | 500 posters,CDs and other | 10136 | 48660 |
| | Sujal Cucurbits Unit | 10 | 0.3 | 12976 | 31680 |
| | Pearl Mushroom Unit | 10 | 0.3 | 16820 | 32080 |
| | Surya Soil Testing Services | 10 | 180 samples @ Rs.200/- each | 5125 | 35600 |

| Year | Name of the EL Modules | Grant Received (Rs.) | No. of Students trained under EL | Product generated (Mt) | Revenue earned (Rs.) | Revolving Fund Generated (Rs.) |
|---|---|---|---|---|---|---|
| 2019-20 | Commercial Vermi Culture & Fortified vermi compost | 85708 | 16 | 4.8 | 60000 | 48000 |
| | Commercial production of economically viable microbials | 79049 | 16 | 0.42 | 58500 | 42168 |
| | Surya soil, water, plant and tissue testing | 99373 | 5 | 51 samples@ Rs.200/- each | 10200 | 10200 |
| | Commercial seed production of Field Crops | 62400 | 20 | 0.75 | 160000 | 75700 |
| | Commercial Horticulture Unit | 62400 | 16 | Baby Corn, and Melons | 56745 | 51090 |

### 6.5.3.4. Curricula delivery through IT (Smart class rooms/interactive Board etc.: ICT application in curricula delivery:

- This College is having Broad band connectivity under NME- 40MBPS-ILL of BSNL with unlimited Internet facility to the Staff and Students.
- All the departments are having Touch Screen LCD based lector system and half of the classrooms are equipped with smart technologies for effective delivery of lectures.

- Under NAHEP- Institutional Development Plan (IDP) – one classroom was made as Virtual Classroom having Wi-Fi connectivity for conducting on-line classes and interactive sessions for effective learning process.
- The College is having separate website linked to the University website to cater to the needs of the stakeholders.
- The Agricultural College is equipped with Digital Library, CeRA, printing and Xerox facilities for students and staff.
- ICT is used as per the requirement of the programme to the level of satisfaction to students.
- On the directions of the University online platforms like zoom, gotomeet, Google meet etc, are being used to conduct online classes regularly to students, *viva-voce* exams, comprehensive (oral) exams to PG students etc. So far 15 dedicated licensed zoom app connections are subscribed every month since April, 2020 to conduct various online academic activities for the benefit of student community in view of COVID-19 pandemic

## 6.5.4. Student Development:

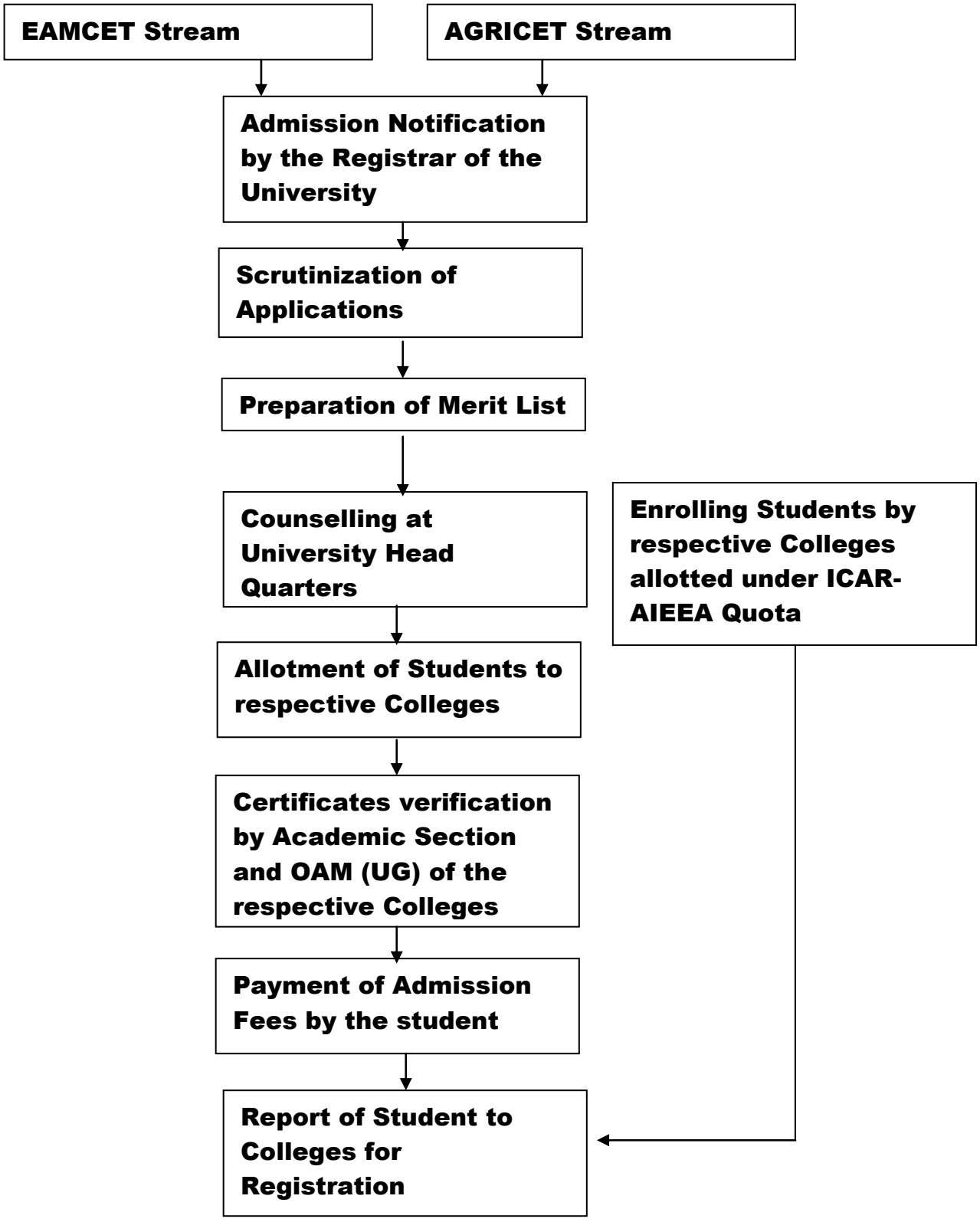
### 6.5.4.1. Student intake and attrition in the programme for last five years:

| Name of the Programme | Actual Student admitted in last five years | | | | | Attrition (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| B.Sc.(Hons) Agriculture | 99 | 177 | 157 | 125 | 147 | 2.02 | 14.7 | 17.8 | 14.4 | 2.1 |
| M.Sc.(Agriculture) | | | | | | | | | | |
| Agronomy | 2 | 2 | 3 | 3 | 3 | Nil | 50 | Nil | 100 | 33.4 |
| Entomology | --- | 2 | 2 | 3 | 3 | -- | Nil | Nil | Nil | Nil |

## 6.5.4.2. Number of Students in Theory and Practical Classes:

| S.No | Name of the Programme | Total intake/years | Batch of students in theory class | Batch of students in practical class |
|---|---|---|---|---|
| 1 | B.Sc.(Hons.) Agriculture | 2015-16 | | |
| | | i. First year | 96 | 48 |
| | | ii. Second year | 81 | 41 |
| | | iii. Third year | 104 | 52 |
| | | iv. Final year | 70 (RAWEP/AELP) | |
| | | 2016-17 | | |
| | | i. First year | 151 | 38 |
| | | ii. Second year | 96 | 48 |
| | | iii. Third year | 84 | 42 |
| | | iv. Final year | 104(RAWEP/AELP) | |
| | | 2017-18 | | |
| | | i. First year | 129 | 32 |
| | | ii. Second year | 151 | 38 |
| | | iii. Third year | 96 | 48 |
| | | iv. Final year | 84 (RAWEP/AELP) | |
| | | 2018-19 | | |
| | | i. First year | 107 | 27 |
| | | ii. Second year | 129 | 32 |
| | | iii. Third year | 151 | 38 |
| | | iv. Final year | 96 (RAWEP/AELP) | |
| | | 2019-2020 | | |
| | | i. First year | 144 | 36 |
| | | ii. Second year | 107 | 27 |
| | | iii. Third year | 129 | 32 |
| | | iv. Final year | 75(RAWEP), 76(ELP) | |
| 2 | M. Sc (Agriculture) Agronomy | 2015-16 | 2 | 2 |
| | | 2016-17 | 2 | 2 |
| | | 2017-18 | 3 | 3 |
| | | 2018-19 | 3 | 3 |
| | | 2019-2020 | 3 | 3 |
| 3 | M. Sc (Agriculture) Entomology | 2015-16 | - | - |
| | | 2016-17 | 2 | 2 |
| | | 2017-18 | 5 | 5 |
| | | 2018-19 | 3 | 3 |
| | | 2019-2020 | 3 | 3 |

### 6.5.4.3. ADMISSION PROCESS



### 6.5.4.4. Conduct of Practical and Hands on Training:

Agricultural college Naira is having the reputation for hands on training to agri-graduates in the state because of its

- Location with diverse soils and crops over 251 acres farm,
- Year round maintenance of crop cafeteria,
- Dedicated faculty and well equipped labs.
- Students shall be exposed to establishment and maintenance of most of the field and horticultural crops, adoption of proven seed to seed package of practices.
- Students shall exposed to optimum usage of inputs under different situations.
- Students shall be well versed with Identification of crops, weeds, pests, diseases and their management under real time situations.
- Students get exposed to usage implements and tools efficiently
- Students get exposed to different equipment usage and data collection
- Student get exposed and expertised farm mechanisation.
- Student READY programme implementation at the college is awesome across the colleges in the state.

**Department-wise information on conduct of practical and hands-on training furnished here under**

**Agronomy:**

| | |
|---|---|
| UG | ✓ Identification of different crops, weeds and tree species.<br>✓ Measurement of weather parameters and tabulation of weather data<br>✓ Identification of fertilizers, manures, seeds, varieties in different crops<br>✓ Identification of off-types and rougues in crops<br>✓ Students shall acquainted with calculating the seed rate, fertiliser dose, herbicide dose etc<br>✓ Students shall acquainted with yield estimation in different crops<br>✓ Measurement and scheduling of irrigation water<br>✓ Method and time of application of manures, fertilizers and herbicides<br>✓ Art and science of raising popular crops of the tract on sound scientific lines<br>✓ Providing opportunity to the students to have hands on experience on water, nutrient and weed management in a number of arable crops.<br>✓ Field configuration and crop establishment techniques for sole , inter, and multi- storeyed crops/systems<br>✓ Execution and operationalization multi commodity oriented integrated farming system units etc. |

| | |
|---|---|
| | |
| PG | ✓ Preparation of filed Lay out the field as per the statistical design.<br>✓ Collection of soil and crop data as per the requirement of experiment.<br>✓ Recording of biometric observations from various crops as per the need of the experimentation.<br>✓ Soil and plant analysis as per the experiment.<br>✓ Estimation of use efficiency of different resources like irrigation water, nutrient use etc.<br>✓ Tabulation and data analysis and interpretation of data using different statistical tools<br>✓ Documentation of experimental results discussing the result for drawing logical inferences.<br>✓ Collection, compilation and reviewing literature review<br>✓ Writing research and popular article. |

**Department of Genetics and plant breeding:**

✓ The Department of genetics and plant breeding is having two laboratories, one for genetics and plant breeding and another for seed technology. The students of Fundamentals of genetics course will practice the slide preparation for mitosis and meiosis and observe different stages practically.

✓ The students of fundamentals of plant breeding will practically participate the hybridization techniques o for self and cross pollinated crops with the help of breeder kits. The students of crop production-I and II will practically participate in assignment mode for one crop for 4 to 5 students. The students will practice their selected crop emasculation, crossing techniques with preparation of PowerPoint and video presentations for submission as assignment.

✓ In seed technology laboratory, the students will get exposure regarding the seed testing aspects at laboratory level. In this manner the students who registered the courses of genetics and plant breeding will get hands on training.

**Entomology:**

| | |
|---|---|
| UG | ✓ Identification of different insects up to family level<br>✓ Dissection of mouth parts, digestive system and reproductive systems of Grass hoppers, cockroaches & plant bugs<br>✓ Identification of predators, Parasitoids, weed killers & Entomopathogenic fungi in various agro-ecosystems<br>✓ Mass multiplication of *Corcyra*, *Trichogramma and* EPF*, Metarrhizium* |

| | |
|---|---|
| | *anisopliae*<br>✓ Preparation of poison baits for rodents, cutworms & fruit flies<br>✓ Rearing of crop pests and preparation of life cycles pertains to field and horticultural crops<br>✓ Preparation of Spray fluids and application techniques of spray fluids<br>✓ Safe use of pesticides<br>✓ Compatibility of different pesticides and their phytotoxic effects<br>✓ Label information ,mode of action and anti dotes of different groups of insecticides<br>✓ Chaki and late aged rearing of mulberry silkworms<br>✓ Extraction of silk from cacoon<br>✓ Rearing and maintenance of apiary |
| PG | ✓ Identification of insects and preparation of taxonomic keys<br>✓ Male genitalia dissections of leaf hoppers and moths.<br>✓ Preparation of permanent slides of antenna, legs, wings & mouth parts<br>✓ Study of lepidopteran larval chaetotaxy<br>✓ Rearing techniques of phytophagous larvae<br>✓ Life table studies of Pod borers and leaf eating caterpillars<br>✓ Estimation of chitin, carbohydrates and proteins in immature stages of insects<br>✓ Preparation of artificial diet for gram pod borer, Diamond Back Moth etc.<br>✓ Estimation of growth ratios and preparation of growth curves in insects<br>✓ Bioassay methods for assessment of toxicity of insecticides<br>✓ Probit Analysis<br>✓ Agro-Ecosystem Analysis (AESA) for Paddy, Pulses, Oilseeds etc.,<br>✓ Hands on training on usage of equipment (Spectrophotometer, laminar air flow, trinocular microscope with image analyser & autoclave etc., in the laboratory.<br>✓ Field experimental layout, data recording & data analysis |

**Plant Pathology:**

✓ Detection and diagnosis of various plant diseases caused by fungi, bacteria and viruses

✓ Field and exposure visits were organized to students to identify diseases in farmer's fields

✓ Micrometry, microscopy preparation of growth media and culturing of microbes

✓ Inoculation techniques

✓ Mass production of bio agents and mushrooms

**Soil Science & Agricultural Chemistry:**

- ✓ Soil sampling, plant sampling, irrigation water sampling
- ✓ Analysis for pH, EC, organic carbon, macro & micro nutrient determination.
- ✓ Interpretation of soil analysis data and soil test based fertilizer recommendations.
- ✓ Plant tissue testing for macro, secondary and micro - nutrients using both titrimetric and instrumentation technology.
- ✓ Assessing irrigation water quality by determining criteria characters like Electrical Conductivity, Sodium Absorption Ratio, Residual Sodium Concentration, Chloride concentration etc.
- ✓ Standardization and operation procedures of various instruments in the soil science laboratory Viz; pH meter, EC meter, Kelplus apparatus, Flame photometer, Spectrophotometer, Atomic Absorption Spectrometer (AAS), Tensiometers, Double Ring Infiltrometer, Yoder's apparatus, Bouoyoucos hydrometer, Core sampler andWater double distillation apparatus.

**Crop Physiology:**

- ✓ Identification of nutrient deficiencies and physiological disorders in various crop plants.
- ✓ Practical exposure on field diagnosis.
- ✓ Seed germination and seed viability/ vigor tests using butter paper, paper cloth, petri plates and pots in the laboratory.
- ✓ Leaf area measurements and growth and yield analysis of crop canopies.
- ✓ Studies on measuring chlorophyll content, photosynthesis rate and stomatal transpiration rate in crops.
- ✓ Practical studies on effect of various abiotic stress factors on crop plants.
- ✓ Morphological and anatomical studies of plants adaptation for diffenren ecological habitations.
- ✓ Studies on plant performance in controlled environments.
- ✓ Hands on training on collection, preservation of pollution samples from various sources.

- ✓ Environmental studies such as water quality assessment and studies on sound, air quality and influence of polluted environment on plant performance.
- ✓ Hands on training on usage of equipment (Spectrophotometer, leaf area meter, microscopes, seed geminator etc.) in the laboratory.
- ✓ Field experiments, data recording & data analysis.

**Horticulture:**

- ✓ Identification of Horticultural plants division wise (Fruits, Vegetables, Plantation crops, Spices and Condiments, Medicinal and aromatic plants ) to the students
- ✓ Hands of training on kitchen garden and ornamental garden layout and different methods of propagation (Seed, Cuttings, Layering, Grafting and Budding)
- ✓ Hands on training on preparation of different value added products of fruits (Jam, Jelly, Ketchup, pickles) and dry flower arrangements
- ✓ Field exposure on different layout methods and selection of site in fruit crops
- ✓ Field demonstration on different irrigation methods in horticultural crops
- ✓ Identification of different tools and implements used in horticultural crops and lawn
- ✓ Method demonstration of different planting methods of lawn
- ✓ Hands on experience on cultivation of ornamentals in shadenet, portray nursery raising and transplanting.

**Agril.Engineering.:**

- ✓ Identification of different I.C. Engine parts
- ✓ Preparation of different Green House proto type models
- ✓ Identification and working with different farm implements
- ✓ Practicing of tractor driving
- ✓ Familiar about rice trans planter and different planters.
- ✓ Practicing of spraying with different types of sprayers and dusters
- ✓ Practicing with different intercultural implements in farm
- ✓ Experimenting with solar water heater and solar dryers
- ✓ Compatibility of different pesticides and their phytotoxic effects

- ✓ Hands on training on usage of equipment (theodolite, Tapes, chains current meter, light meter, moisture meter,seed drill calibration)
- ✓ Irrigation water measurement with different models
- ✓ Designing of grassed water ways ,open channels and farm ponds.
- ✓ Preparation of contour maps
- ✓ Exposure to combine harvester
- ✓ Exposure on rice mill, dhall mill and cold storage units

**Agril Economics:**

- ✓ Exposure visits to banking institutions viz., NABARD, Lead Bank, Andhra Bank, RRB and APGVB to understand their functioning.
- ✓ Study of the functioning of Cooperative institutions like DCCB and PACS
- ✓ Students are molded to liaison with farmers on the ongoing Govt. schemes
- ✓ Visits to FCI, AMC and Rythu bazaars to know the technical aspects of quality control in bulk storage, distribution, procurement etc.
- ✓ Working out Economic Viability of Projects through case studies.
- ✓ Planning for Agricultural Development at Village level/Farmer level through Agro-Economic Survey and Farm Holding Surveys.
- ✓ An overview of Financial Statements (Balance sheet, Profit and Loss statement, Break Even analysis) through Case studies
- ✓ Assignments for presentations on current topics related to Agricultural sector supported with adequate literature and press clippings.

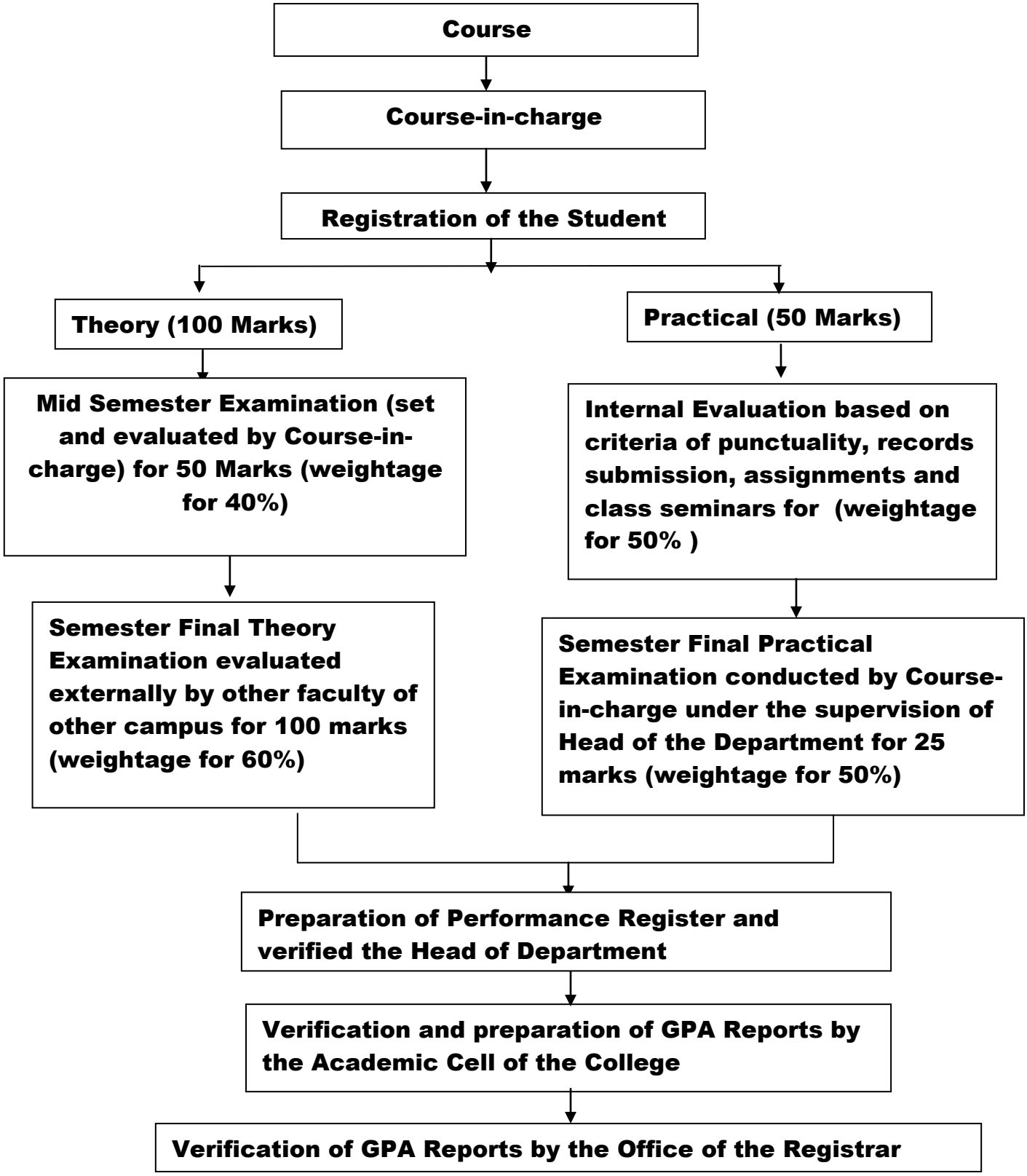
**Statistics and Computer Applications:**

- ✓ Applications in the Computers using Windows Operating System with Microsoft Office (Word, Excel, Power point and Access)
- ✓ Data analysis using advanced statistical tools for tests of significance
- ✓ Correlation and Regression analysis

## List of training programmes organized by Ag. College, Naira:

| S.No | Name of the training programme | Venue | Beneficiary group | No.benefited |
|---|---|---|---|---|
| 1 | Mushroom Production on 20.02.2016 | AELP Mushroom Unit | Farmers | 30 |
| 2 | Mushroom Production Technology on 03.03.2016 | AELP Mushroom Unit, | Farmers of North Coastal Zone | 30 |
| 3 | Production technologies of I D Crops on 04.04.2016 | Agril.College, Naira | Faculty and Students | 40 |
| 4 | Faculty Development Programme on 13.06.2017 | Ag. College, Naira | Teaching staff of Ag.College, Naira and Rajamahendravarm | 40 |
| 5 | One day Workshop on 'Biological diversity Act and Access & Benefit sharing (ABS) Mechanism' on 28.03.2018 | Ag. College, Naira | Students, Progressive farmers and Staff | 250 |
| 6 | "Seed Quality and Seed Testing Techniques' | Thyandemvalasa, Srikakulam. | Farmers | 50 |
| 7 | Production Technologies, nutrient and Insect pest management in Coconut and Blackgram on 9-1-2019 | Kaviti, Srikakulam | Framer Producer organization farmers | 40 |
| 8 | Production Technologies, nutrient and Insect pest management in Cashew 30-1-2019 | Seethampeta Srikakulam | Framer Producer organization farmers | 40 |
| 9 | Production Technologies, nutrient and Insect pest management in Cashew, Pineapple and Turmeric on 28-6-2019 | Seethampeta Srikakulam | Framer Producer organization farmers | 80 |
| 10 | Sustainable agronomic practices in field crops on 20/11/19 | Thyandemvalasa, Srikakulam. | Farmers | 30 |

## 6.5.4.5. EXAMINATION AND EVALUATION PROCESS



### 6.5.4.6. NSS Units:

The students of the College also get involved in extension activities due mainly through the two National Service Scheme (NSS) units functioning in the College. There are two active NSS units operating in the College. The roll strength of each unit is hundred NSS volunteers working under the guidance of a NSS Programme Officer.

In addition to the routine activities in the College like Vanamahotsava, National Integration Day etc., the volunteers regularly move out of the College and undertake a variety of extension activities. The activities include among others Blood Donation Programme in collaboration with the district unit of the Indian Red Cross. Other activities include organizing rallies in the nearby villages on various issues which need public attention such as care for the girl child, social forestry etc. The NSS volunteers also take part in Pulse Polio Immunisation Programme.

**NSS Special Camps (2015-16 to 2019-20)**

| S. No | Year | Date | Duration (days) | Venue | No. of Volunteers | | |
|---|---|---|---|---|---|---|---|
| | | | | | Male | Female | Total |
| 01 | 2015-16 | 17.11.2015 to 23.11.2015 | 07 | Kistappapeta Village Srikakulam Rural Mandal | 32 | 44 | 76 |
| 02 | 2016-17 | 22-10-2016 to 28-10-2016 | 07 | Kasimvalasa Village Srikakulam Rural Mandal | 38 | 64 | 102 |
| 03 | 2017-18 | 04.10.2017 to 10.10.2017 | 07 | Tandyamvalasa Village Srikakulam Rural Mandal | 32 | 52 | 84 |
| 04 | 2018-19 | 30.10.2018 to 05.11.2018 | 07 | Pragadaputtuga Village Kaviti Mandal | 53 | 42 | 95 |
| 05 | 2019-20 | 16$^{th}$ to 22$^{nd}$ Nov. 2019 | 07 | Tandyamvalasa Village Srikakulam Rural Mandal | 22 | 31 | 53 |
| 06 | 2019-20 | II semester | 07 | Respective villages | 47 | 45 | 92 |

A total of 211 NSS volunteers from the College were enrolled for Swatch Bharat Summer Internship Programme (SBSI) during 2017-18.

Various state and national functions were celebrated and awareness programmes were conducted by the NSS volunteers each year in the campus under the supervision of the programme officers. An indicative list was provided below.

| S. No | Year(s) of report | NSS Regular Activities | No. of NSS volunteers participated | Date |
|---|---|---|---|---|
| 1 | 2015-16 to 2019-20 | National Youth Day | 200 | 1st January |
| 2 | | Youth day celebration | 110 | 12th January |
| 3 | | National science day | 150 | 28th February |
| 4 | | International women's day celebrations | 110 | 8th March |
| 5 | | World Health Day | 185 | 7th April |
| 6 | | Dr B R Ambedkar jayanthi | 115 | 14th April |
| 7 | | International yoga day | 110 | 21st June |
| 8 | | Observation of Ozone day | 115 | 16th September |
| 9 | | Celebration of NSS Formation Day | 200 | 24th September |
| 10 | | Celebration of Gandhi jayanthi | 105 | 2nd October |
| 11 | | National Unity Day | 215 | 31st October |
| 12 | | Constitution Day Pledge | 155 | 26th November |
| 13 | | AIDS Day rally | 200 | 1st December |
| 14 | | Agricultural Education day | 215 | 3rd December |
| 15 | | International volunteer service day | 110 | 5th December |
| 16 | | Dr. B.R Ambedkar vardhanthi | 215 | 6th December |
| 17 | | Celebration of Farmers day | 200 | 23rd December |
| 18 | | Nava Nirmana Dhiksha | Other regular events organized regularly under NSS units. | |
| 19 | | Vana mahotsavam programmes | | |
| 20 | | Raithu kosam Chandranna | | |
| 21 | | Awareness camp on N.T.R Vaidya Seva | | |
| 22 | | Plantation programmes | | |
| 23 | | Swatch Bharat programmes | | |

**Blood Donation camps:**

Blood donation camps were organized during the period of report in collaboration with number of organizations like, Blood bank, Srikakulam, RIMS, Srikakulam and GEMS, Ragolu.

| S. No | Name of the organization | Date | No of blood donors |
|---|---|---|---|
| 1 | Rajeev Gandhi Institute of Medical Sciences (RIMS), Srikakulam. | **24.09.2018** | 25 |
| 2 | Satya Sai Trust and RIMS, Srikakulam | 24-10-2016 | 69 |
| 3 | RIMS, Srikakulam | 10.10.2017 | 50 |

**Village Adoption Programme:**

Village Adoption Programme is one of the important extension activities of the College aimed primarily at enhancing the productivity through appropriate technological interventions and imparting essential skills to the farmers of a selected village. Scientists of the College undertake regular visits to the village for offering expertise on pests and disease related problems, nutrient deficiencies and such other interventions. Field demonstrations on various aspects such use of herbicides, rational use of fertilizers and irrigation water are conducted in the farmers fields for the purpose of infusing confidence in the farmers for up scaling the potential technologies. Thandyamvalasa village was selected as the adopted village for this College during 2017 and different activities carried at this village as detailed below.

**Activities conducted at Thandyamvalasa during 2017-2020**

| S.No. | Activity | 2017-2018 | | 2018-2019 | | 2019-20 | |
|---|---|---|---|---|---|---|---|
| | | Number | No. of farmers/ac benefited | Number | No. of farmers/ac benefited | Number | No. of farmers/ac benefited |
| 1. | Training Programmes | 2 | 55 | 2 | 60 | 2 | 60 |
| 2. | Diagnostic visits covered | 2 | 20 | 2 | 20 | 2 | 20 |
| 3. | Demonstrations | 2 | 31 | 2 | 30 | 2 | 30 |
| 4. | Animal health camps | 100 | 100 | -- | -- | 3 | 200 |
| | Mobile advisories | -- | -- | 240 | 240 | -- | -- |
| 5. | Demo's of HYV of Ragi and Greengram) | -- | -- | 2 | 5 | 2 | 5 |
| 6. | Planting programme | -- | -- | -- | -- | 3times | 100 saplings |

**6.5.4.7. Language Laboratory:**

Since English is accepted as a global language for higher learning, especially in professional educational institutes, ENGL 101 (Comprehension and Communication Skills in English) has been a part of the syllabi at the First year in B.Sc. (Hons) Agriculture programme in ANGRAU and in Agril. College, Naira to comprehend the language and communicate effectively. The course covers basic aspects of English language comprehensively. Basic English grammar and

vocabulary, Antonyms Synonyms, Homonyms, Homophones, Verbal ability and Functional Grammar. Business Correspondence, Principles of Letter writing, Various types of Letters like inviting a quotation or inviting a tender, Sales letters, Claim and Adjustment Letters, Job Application Letters, Social Correspondence, Personal correspondence and CV.

This College has a facility for ELCS (English Language Communication Skills) which helps to enhance the students' pronounciation and also to improve their LSRW Skills. Studnets can listen to Short talks and Lectures of EFL University to improve their listening skills and pronunciation as well as foreign accent. Students can prepare and practice for GRE and TOEFL Examinations by utilizing the resources in the College library. Students improve their verbal communication in participating seminars to overcome fear by participating in Mock Interviews, Debates and Group Discussions conducting in the ELCS classes

**6.5.4.8. Cultural Centre:**

**YES ,** the College does have an active Cultural Centre involving both boy and girl student communities, organizes various cultural and literary events during several state and national functions as well as during the College level functions.

- The students actively participate in the events. The students are also encouraged to participate in several cultural and literary events outside the campus during inter collegiate and inter university functions besides district level functions.
- The students of the College bagged several prizes and acclaims for their excellent performance showcased in several occasions. The students also had a chance to visit some prestigious institutes in South India during their educational tour and acted as cultural ambassadors from ANGRAU. Some State and National level Sports & Cultural events during the reporting period (2015 – 2020) were furnished hereunder.

| A.National and state level Cultural & Literary events. | | | | | |
|---|---|---|---|---|---|
| **S. No.** | **Year** | **Name of the event** | **Place/Venue** | **No. of Students attended** | **Accomplishments** |
| 1 | 2020 | YUVA 2020 | GBPUAT, Pantnagar, Uttaranchal | 8 | 1st Best poster presentation |
| 2 | 2019 | 1st Phase Sports, Games, Cultural & Literary meet | SBVR College, Badwel, Kadapa | 52 | Received prizes in several cultural event viz; classical solo, mime, folk dance etc. |
| 3 | 2019 | District level inter collegiate debate competitions under Garimella Foundation | Srikakulam | 8 | Received first prize in Telugu debate, elocution and Poetry |
| 4 | 2018 | Agri Carnival | Guntur | 12 | Bagged over-all first place in the event.<br>Secured 1st position in oral and poster presentation. |
| 5 | 2018 | Agri UNIFEST | S.V. Veterinary University, Tirupati from 12-16th February, 2018. | 1 | Participation |
| 6 | 2017 | Agri-carnival(Exploring opportunities for entrepreneurship in Agriculture) on 19.04.2017 | Ag College,Naira | 210 | Students actively participated through oral/posterpresentations and also innovative ideas exhibited through models before the evaluation committee and grabbed prizes for best ideas. |
| 7 | 2016 | Agri-carnival ( Bio approaches for pest management) on 17/05/2016 | Ag College,Naira | 165 | Students actively participated through oral/posterpresentations and also innovative ideas exhibited through models before the evaluation committee and grabbed prizes for best ideas. |

| B. Sports & Games events | | | | | |
|---|---|---|---|---|---|
| **S. No.** | **Year** | **Name of the event** | **Place/Venue** | **No. of Students attended** | **Accomplishments** |
| 1 | 2015-16 | 1st Phase Sports, Games, Cultural & Literary meet | Agricultural College, Bapatla | 26 | 1.Volley Ball – Winners<br>2. Shuttle Badminton - Runners<br>3.Chess-Runners<br>4. Ball Badminton – Runners |
| 2 | | 2nd Phase Sports, Games, Cultural & Literary meet | Agricultural College, Tirupati | 50 | Tennikoit- runners |
| 3 | | 3rd Phase Sports, Games, Cultural & Literary meet | Agricultural College, Mahanandi | 36 | Cricket – runners |
| 4 | 2016-17 | 1st Phase Sports, Games, Cultural & Literary meet | Agricultural College, Naira | 26 | Volley ball -Winners<br>Carroms = Runners<br>Chess – winners<br>Shuttle badminton - runners |
| 5 | | 2nd Phase Sports, Games, Cultural & Literary meet | S.V. Agricultural College, Tirupati | 50 | Chess -runners<br>Tennikoit – runners |
| 6 | | 3rd Phase Sports, Games, Cultural & Literary meet | Agricultural College, Bapatla | 36 | Cricket –Runners |
| 7 | 2017-18 | 1st Phase Sports, Games, Cultural & Literary meet | S. V. Agricultural College, Tirupati | 50 | 1. Chess-1st Place<br>2. Shuttle Badminton-2nd Place |
| 8 | | 2nd Phase Sports, Games, Cultural & Literary meet | Agricultural College, Naira | 28 | - |
| 9 | | 3rd Phase Sports, Games, Cultural & Literary meet | Agricultural College, Bapatla | 36 | 1. Cricket –Runners<br>2. Overall games Joint Champion ship |
| 10 | 2017-18 | 18th All India Inter Agricultural Universities Sports & Games Meet | CCS – Haryana Agricultural University, Hissar from 25th -29th March,2018 | G.Nehru in Basket Ball, and M.V.Srikanth Reddy in Athletics | - |
| 11 | 2018-19 | 1st Phase Sports, Games, Cultural & Literary meet | Agricultural College, Bapatla | 50 | - |
| 12 | | 2nd Phase Sports, Games, Cultural & Literary meet | Agricultural College, Naira | 26 | 1) Chess-Winners<br>2) Carroms – Winners<br>3) Shuttle Badminton-Runners<br>4) Volley Ball-Winners |

| | | | | | |
|---|---|---|---|---|---|
| 13 | | 3rd Phase Sports, Games, Cultural & Literary meet | Agricultural College, Naira | 36 | Cricket – Winners |
| 14 | 2018-19 | 19th All India Inter university Sports & Games Tournament 2018-19 | Punjab Agricultural University, Ludhiana from 2nd – 5th January,2019 | Y.Aswini Teja Volley Ball. K.Vara Prasad-Volley Ball, Sk.Sazid-Volley Ball, G.Nehru-Basket Ball, P.Viswa Raj-Volley Ball | - |
| 15 | 2019-2020 | 1st Phase Sports, Games, Cultural & Literary meet | SBVR College, Badwel, Cuddapah | 54 | - |
| | | 2nd Phase Sports, Games, Cultural & Literary meet | Agricultural College, Bapatla | 40 | Volley Ball Winners, Chess –winners |
| 7 | 2020 | 20th All India Inter university Sports & Games Tournament | S.V.V. University, Tirupati | Y.Aswini Teja,Volley Ball.N.Sai Kumar -Volley Ball, P.Viswa raj-Volley Ball, A.jagadeesh volley Ball, | - |

**C. Educational Tours and other visits**

| S. No. | Year | Name of the event | Place/Venue | No. of Cadets / Students attended | Remarks |
|---|---|---|---|---|---|
| 1 | 2019 | Educational tour to South India | Various ICAR and state agril university units in south Indian states | 84 | Students visited various ICAR, CSIR and state Agril universities establishments in Karnataka, Kerala, Tamilnadu and Kerala states |
| 2 | 2019-20 | COCA 200 (0+2) – Educational Tour to North Coastal Zone | RARS, Anakapalle, ARS, Yelamanchili, KVK, Haripuram, ARS, Ragolu and KVK, Amadalavalasa | 54 | Students visited various research and Extension stations of the zone and acquired knowledge on the facilities and on going research programmes. |
| 3 | 2018-19 | COCA 200 (0+2) – Educational Tour to North Coastal Zone | RARS, Anakapalle, ARS, Yelamanchili, KVK, Haripuram, ARS, Ragolu and KVK, Amadalavalasa | 79 | |
| 4 | 2017-18 | COCA 200 (0+2) – Educational Tour to North Coastal Zone | RARS, Anakapalle, ARS, Yelamanchili, KVK, Haripuram, | 150 | |

| | | | | | |
|---|---|---|---|---|---|
| | | | ARS, Ragolu and KVK, Amadalavalasa | | |
| 5 | 2019, 2018 & 2017 | Visit to Plant Quarantine station | Plant Quarantine Centre, Visakhapatnam | 75 | Students go exposed to the role of plant quarantine stations in disease management |

**D. Other events organized under Cultural Centre:**

- **International Yoga Day being Celebrated on 21st June every year**

International Yoga Day is celebrated at agricultural College, Naira, on 21st June every year near Boys hostel premises of the College. The Associate Dean, Office bearers, faculty, staff and students gather in large number on the day and practice Yoga under the guidance of Yoga master and acquaint with essential tips to enable the participants to practice Yoga regularly at their homes

- **Yoga training programme conducted at agricultural College, Naira (22.05.2018 to 05.06.2018)**

Agricultural College Naira was chosen by The Art of Living Foundation, Srikakulam branch to impart Fifteen days Yoga Training Programme to students under Central Council for Research in Yoga and Naturopathy (CCRYN), an Autonomous Body under Ministry of AYUSH.

Dr. P.V. Krishnayya, Associate Dean, Agricultural College, Naira inaugurated the Camp on 22.06.2018 in the presence of Smt. Y. Sudha Rani, Yoga Trainer, The Art of Living Foundation, Srikakulam branch. Third year students of the College, numbering Ninety five comprising of 54 boys and 41 girls enrolled for the programme.

- **Celebrations of Birth Anniversary of Acharya N. G. Ranga on November 11th every year.**

The 119th birthday celebrations of Achraya N. G. Ranga was celebrated in the most befitting matter on 07.11.2019 (Thursday) in the campus. The celebrations began with a Farmers-Scientist interaction meeting in the seminar hall under the chairman ship of the Associate Dean, Dr A. V. Ramana.. Around 25 farmers from the adopted village of the College participated in the celebrations. An exhibition was organized by the members of the various EL units in the College and the products were displayed for the benefit of the farmers. Literary and Cultural events were organized and prizes were distributed to the winners of various events.

- **Sri Potti Sriramulu jayanthi observed on 16th March every year**

Sri Potti Sreeramulu Birth Anniversary was organized as State Celebrations in a befitting manner on 16.03.2020 in the examination hall. The function was presided over by the Associate Dean, Dr A. V. Ramana. Elocution and Essay writing competitions in Telugu were organized on the occasion and the winners were appreciated with certificates by the Associate Dean Students from all the years participated in the programme.

- **Sri Alluri Sitaramaraju Jayanthi – State Festival**

As per the Government of Andhra Pradesh orders Sri Alluri Sita Rama Raju Jayanthi was celebrated in Agricultural College, Naira on 4th July 2020. All the staff participated in the celebrations following COVID-19 protocols.

- **Sri. Potti Sriramulu vardhanthi observed on 15th December every year:**

Amarajeevi Sri Potti Sree Ramulu vardhanthi was being observed every year on 15th December. On this occasion floral tributes were offered to the great leader and visionary. Few glimpses of the occasion were presented herewith.

**E. College Day and Hostel Day Celebrations:**

College and Hostel Days are being organized every year in the College premises, inviting illustrious alumni of the College and distinguished guests. The details of the College and Hostel Days organized during the past 5 years were presented herewith.

| S. No | Year | Event | | Special guest/s |
|---|---|---|---|---|
| | | *College Day* | *Hostel Day* | |
| 1 | 2018-19 | 23.04.2019 | 24.04.2019 | Sri Kiran Babu, IFS, SEZ, Visakhapatnam and Sri Chapara Ganapathi Rao, Hon'ble Member, BoM, ANGRAU |
| 2 | 2017-18 | 03.05.2018 | 04.05.2018 | Sri. Kinjarapu Ram Mohan Naidu, Hon'ble Member of Parliament (LS) Srikakulam<br>Sri. K. Siva Prasad, Group- I Officer, Govt. of Andhra Pradesh<br>Sri A. Rama Chandra, CEO, Green Morning Horticulture Services Pvt. Ltd |
| 3 | 2016-17 | 20.04.2017 | 21.04.2017 | Dr T Ramesh babu, Dean of Agriculture, ANGRAU |
| 4 | 2015-16 | 14.05.2016 | 15.05.2016 | Sri T Uma Maheswara Rao, Zonal Manager, Andhra Bank, Dr. R. Veera Raghavaih, Dean (PGS), ANGRAU |
| * During 2019-20, College and Hostel days could not be organized due to COVID-19 pandemics | | | | |

**F. Freshers' Day and Farewell celebrations:**

It has been a tradition to welcome the newly admitted students to the College by organizing Fresher's Day by the senior students and bidding farewell to the outgoing batch students by juniors. Both the functions are being organized by the students themselves in a very cordial manner. The OSA acts as a facilitator for both the events.

**G. Release of College Magazine:**

The College publishes an annual magazine named *SURYA,* the Sun God, a famous sun temple at Arasavalli near Srikakulam. This magazine provides the opportunity to showcases the talent of the students and faculty to publish articles related to science, fiction, current affairs, national and international issues, humour and caricature, besides short stories and poetries.

**H. Publication of reminiscences:**

Each year, the outgoing students of the College publish a special collection called REMINISCENCES containing their names, photos, addresses, phone numbers and *email* IDs so that they can recollect their friends and be in touch with them even after they leave the College.

## 6.5.4.9 PERSONALITY DEVELOPMENT:

### A. Training Programmes :

| S.No. | Training programme | Speaker | Participants | Source of Funding |
|---|---|---|---|---|
| **2015-16** | | | | |
| 1 | Guest Lecture on "Career Opportunities " on 09.05.2015 | Mr.K.Ramana Babu, Business consultant, TISS, Mumbai | 54 | ANGRAU |
| 2 | Guest Lecture on "Career counseling" on 08.01.2016 | Dr.Pande, Sri Sri University Bhubaneswar, | 65 | ANGRAU |
| **2017-18** | | | | |
| 1 | Guest Lecture on Personality Development and Communication Skills on 07.03.2018 | Dr.M.C.Das, Motivation Speaker, Vijayawada | 54 | ICAR |
| 2 | Guest Lecture on Career Planning and Opportunities for Agril. Professionals on 12.03.2018 | Sri P.V.V.Uma Shankar, Audit Manager, HSBC Bank, Dubai | 46 | ICAR |
| 3 | Training on "Goal setting, Interpersonal Skills, Communication Skills, Social etiquettes and Right attitude" 13.03.2018 to 14.03.2018 | Mr. Rama Krishna, WALYS Training Academy | 52 | ANGRAU |
| 4 | Training on "Special emphasis on Team building, Becoming a team player session, Time management, Ice breaking and Attitude building under Student Development programmes" 15.03.2018 to 16.03.2018 | Mr. Rama Krishna, WALYS Training Academy | 64 | ANGRAU |
| 5 | Training on "Soft skills for career success" | Dr B Sivaprasad Trainer, Author, and Speaker SS Technologies | 75 | ANGRAU |
| 6 | Guest lecture on "Communication skills, Interviewing skills and Resume writing skills" on 19.05.2018. | IMAX Language solutions, Srikakulam | 72 | ANGRAU |

| | | | | |
|---|---|---|---|---|
| **2018-19** | | | | |
| 1 | Training on “Personality Development Programme” 15.04.2019 to 20.04.2019 | M/s Smart series, Bangalore | 70 | ANGRAU-IDP(NAHEP) |
| 2 | Training on “Students Overall Personality Development 6th to 10th May 2019 | Dr B Sivaprasad Trainer, Author, and Speaker SS Technologies, Hyderabad | 82 | ANGRAU- IDP (NAHEP) |
| 3 | Guest lecture on Developing leadership qualities in students | Mr. Ravi Teja, Manager, FCI | 65 | ICAR |
| 4 | Guest lecture on Career and Interview facing – learning session | Mr Udaya Bhaskar Agripreneur | 62 | ICAR |
| 5 | Guest lecture on SWOT analysis - Overview | Mr Udaya Bhaskar Agripreneur | 55 | ICAR |
| 6 | Guest lecture on Communication (Listening, Public Speaking, Presenting) – A prime factor towards successful career. | Mr. Ravi Teja, Manager, FCI | 62 | ICAR |
| 7 | Guest lecture on Organization and Efficiency – Role on Entrepreneurship | Mr Udaya Bhaskar Agripreneur | 57 | ICAR |
| **2019-20** | | | | |
| 1 | Tutorial classes for national level competitive examinations Viz. IBPS, SSC,CAT& RRB etc. 23.12.2019 to 03.01.2020 | Mr. Ravi Teja, and team, Mayuka Educational Society, Visakhapatnam | 40 | ICAR (SC-Sub Plan) |
| 2 | Training on “Entrepreneurship Development Programme” 11th to 19th February, 2020 | Mr. I. Jaidev Director, Shradda Training & Consultancy, Srikakulam | 58 | ICAR (SC-Sub Plan) |
| 3 | Training on “Personality development & Communication skills” 12th to 24th February, 2020 | Preran Educational Society, Srikakulam | 115 | ICAR (SC-Sub Plan) |

B. **NAHEP-IDP (Institutional Development plan):**

Students of this College have undergone the following international and national trainings under the NAHEP-IDP project.

**a. International Trainings during 2019-20:**

| S.No | Name Of Training | Place of Training | No of Students | Period of training | Duration of training |
|---|---|---|---|---|---|
| 1. | Skill development in agriculture | Oklahoma state University USA | 3 | 01-06-2019 to 30-06-2019 | 30 days |
| 2. | Twinning programme for agriculture graduates | Oklahoma state University USA | 2 | 01-06-2019 to 29-07-2019 | 60 days |
| 3. | Internship training in Agriculture | Kansas State University, USA | 5 | 15-06-2019 to 14-08-2019 | 60 days |

**b. National Trainings during 2019-20:**

| S.No | Name Of Training | Place of Training | No of Students | Period of training | Duration of training |
|---|---|---|---|---|---|
| 1. | Managerial skills | MANAGE, Hyderabad | 9 | 10-12-2019 to 30-12-2019 | 30 days |
| 2. | Sustainable Integrated Farming System for Coastal Eco- Regions | CIARI, Portblair | 6 | 23-09-2019 to 14-10-2019 | 30 days |

**c. National level Skill Development Programmes during 2019-20:**

| S.No | Name Of Training | Place of Training | No of Students | Period of training | Duration of training |
|---|---|---|---|---|---|
| 1. | Effective water management | IISWC, Dehradun | 4 | 03-03-2020 To 24-03-2020 | 21 days (30 days programme shortened due to corona effect) |
| 2. | Farm Mechanization for Post- harvest operations | CIPHET, Ludhiana | 5 | 01-02-2020 To 28-02-2020 | 28 days |
| 3. | Requisites of seed production, processing & Quality Assurance | IISS, Mau, UP | 5 | 23-01-2020 To 12-02-2020 | 21 days |
| 4. | Agro based Entrepreneurship | Ni-MSME, Hyderabad | 6 | 16-09-2019 To 04-10-2019 | 21 days |
| 5. | Work shop on startup culture and mentorship programme | UAS DHARWAD | 1 | 03/03/2020-04/03/2020. | 2 days |

## d. National Trainings during 2018-19

| S.No | Name Of Training | Place of Training | No of Students | Period of training | Duration of training |
|---|---|---|---|---|---|
| 1. | Information and Communication Technologies for Agriculture" | NAARM Hyderabad | 4 | 21.08.2018 TO 19.09.2018 | 30 days |
| 2. | Entrepreneurial Skill Development Among The Agricultural Graduates Of ANGRAU | NAARM Hyderabad | 9 | 14.02.2019 to 06.03.2019 | 22 days |
| 3. | Entrepreneurial Skill Development Among The Agricultural Graduates Of ANGRAU | NAARM Hyderabad | 8 | 22.03.2019 to 11.04.2019 | 20 days |
| 4 | Developing Managerial skills to Undergraduate Students of ANGRAU | MANAGE Hyderabad | 9 | 25.03.2019 To 14.04.2019 | 20 days |
| 5 | Agro Based Entrepreneurial development | EDII Gandhinagar, Gujrat | 8 | 08.04.2019 To 03.05.2019 | 25 days |
| 6 | Overall personality development | Agricultural College, Naira | 100 | 08.04.2019 to 12.04.2019 | 5 days |
| 7. | Information and Communication Technologies for Agriculture Development | MANAGE Hyderabad | 8 | 15.04.2019 To 05.05.2019 | 20 days |
| 8 | Stakeholders training For farmers | NIRD Hyderabad | 5 | 15.04.2019 To 14.05.2019 | 30 days |

## 6.5.5. Physical Facilities

**Infrastructure information.**

| Sl. No. | Particulars | Availability | | | |
|---|---|---|---|---|---|
| | | No. of units | Plinth area (Sq. mt.) | Capacity if applicable | Adequate (Yes / No) |
| 1 | Administrative Offices | 1 | 1200 | -- | Yes |
| 2 | Class room | 8 | 2400 | 120 students | Yes |
| 3 | Laboratory | 15 | 5500 | 40 students | Yes |
| 4 | Library | 1 | 800 | 100 at a time | Yes |
| 5 | Housing for faculty | 8 | 3267 | 8 Families | Yes |
| 6 | Boys' hostel | 3 | 6560 | 340 students | Yes |
| 7 | Girls' hostel | 2 | 6000 | 200 students | No |
| 8 | Guest house | 1 | 57 | 2 rooms | No |
| 9 | Health clinics | 1 | 57 | -- | No |
| 10 | Auditorium | - | -- | -- | -- |

### b. New infrastructure facilities created during 2015-2020:

| Sl.No. | Name of the Work | Funded by | Amount (Rs.) | Present status |
|---|---|---|---|---|
| 1 | Construction of New Girls Hostel | NABARD | 2.25 Crores | Ground floor completed |
| 2 | Construction of New Boys Hostel | NABARD | 2.25 Crores | Ground floor completed |
| 3 | Construction of ELP Building | NABARD | 2.00 Crores | Completed |
| 4 | Construction of Seed Processing and Storage facilities at Agricultural College, Naira | RKVY | 30.00 Lakhs | Completed |
| 5 | Construction of Seed Storage Godown | RKVY | 60.00 Lakhs | Completed |
| 6 | Construction of Threshing Floors | RKVY | 10.00 Lakhs | Completed |
| 7 | Construction of 1$^{st}$ floor on Examination Hall | ICAR | 72.75Lakhs | Completed |
| 8 | First Floor on New Class Rooms | ICAR | 1.00 Crore | Completed |
| 9 | Construction of new building ground floor Near Dept. of Agronomy | ICAR | 84.75 Lakhs | Electrification work in Progress |
| 10 | Construction of First floor on New Girls Hostel | ICAR | 1.00 Crores | Work is in progress |
| 11 | Laying of B.T. Roads in the campus | ANGRAU | 65.0 lakhs | Work is inprogress |

### 6.5.5.1. Hostels:

### A. Two Hostels for Girls:

### I. Suvarnamukhi Girls Hostel

| S.No. | Particulars | Number |
|---|---|---|
| 1. | Student rooms | 32 |
| 2. | Common Mess | 01 |
| 3. | Common Room for Reading | 01 |
| 4. | Common Room for TV | 01 |
| 5. | Bath Rooms @ 4 rooms per wing in two floors (4 x 2 x 2) | 16 |
| 6. | Lavatories @ 4 rooms per wing in two floors (4 x 2 x 2) | 16 |
| 7. | R.O Drinking Water Plant | 01 |

### II. New Girls Hostel

| S.No. | Particulars | Number |
|---|---|---|
| 1. | Student rooms | 08 |
| 2. | Common Mess | 01 |
| 3. | Common Room for Reading | 01 |
| 4. | Common Room for TV | 01 |
| 5. | Bath Rooms @ 3 rooms per wing (3 x 2) | 06 |
| 6. | Lavatories @ 4 rooms per wing (4 x 2 ) | 08 |

### B. Three Hostels for Boys

### I. Vamsadhara Boys Hostel

| S.No. | Particulars | Number |
|---|---|---|
| 1. | Student rooms | 35 |
| 2. | Common Mess | 01 |
| 3. | Common Room for Reading | 01 |
| 4. | Common Room for TV | 01 |
| | Triangle room for Caroms & Table tennis | 02 |
| 5. | Bath Rooms @ 3 rooms per wing in three floors (3x 2 x 3) | 18 |
| 6. | Lavatories @ 3 rooms per wing in three floors (3 x 2 x 3) | 18 |
| 7. | R.O Drinking Water Plant | 01 |

### II. Nagavali Boys Hostel

| S.No. | Particulars | Number |
|---|---|---|
| 1. | Student rooms | 35 |
| 2. | Common Mess | 01 |
| 3. | Common Room for Reading | 01 |
| 4. | Common Room for TV | 01 |
| | Triangle room for Caroms & Table tennis | 02 |
| 5. | Bath Rooms @ 3 rooms per wing in three floors (3x 2 x 3) | 18 |
| 6. | Lavatories @ 3 rooms per wing in three floors (3 x 2 x 3) | 18 |
| 7. | R.O Drinking Water Plant | 01 |

## III. New Boys Hostel

| S.No. | Particulars | Number |
|---|---|---|
| 1. | Student rooms | 08 |
| | Student rooms( Small) | 04 |
| 2. | Common Mess | 01 |
| 3. | Common Room for Reading | 01 |
| 4. | Common Room for TV | 01 |
| | Triangle room for Caroms & Table tennis | 02 |
| 5. | Bath Rooms @ 4 rooms per wing (4x 2) | 08 |
| 6. | Lavatories @ 4 rooms per wing (4x 2) | 08 |
| 7. | R.O Drinking Water Plant | 01 |

### C. Facilities available:

- **Dining Hall**: 50 boys can dine at a time and in four batches, all the students can complete dining
- **Drinking water**: RO water plants are installed and connected to water coolers to make available cool water to all the inmates of the hostels
- **Solar Hot Water facility**: Solar hot water facility was created for the both girls and boys hostels.
- **24/7 Reading room**: one 24/7 reading room of 30x30 feet size is made available students, in both boys and girls hostels.
- **TV hall**: TV hall with 60 seating facility and TVs connected to cables are available in each Hostel
- Sophisticated multi-level gym bench and open gym are catering to the physical fitness needs of the boarders available at hostels.
- An ambulance is available with a First-Aid and trained health staff in the campus round the clock exclusively for the boarders in case of any medical emergency
- Hygiene is maintained in Hostel premises regularly using disinfectants by sanitary workers.
- Mess is being run by the student representatives and supervised by the Warden, along with additional warden for effective monitoring of hostel rules & regulations. Hostel records, stocks and stores maintained by a regular Care taker.

- Bimonthly meetings conducted in both boys and girls hostels .During the meeting boarders discuss on various issues in the presence of Wardens and caretaker regarding facilities such as water supply, electricity, food quality, hygiene in and around hostels etc.

**6.5.5.2. Examination hall:**

Agricultural College, Naira is having one well ventilated, furnished examination hall with 140 seating capacity with CC Camera vigilance round the clock for conducting the examinations. The facility is quite sufficient to conduct all internal and external examinations.

**6.5.5.3. Sports and recreation facilities:**

The College attaches high priority to the extra-curricular activities like indoor and outdoor games, literary activities, music and dance, and fine arts helping in the furtherance of academic goal, able body and sound mind.

The College does have play grounds, basket ball courts, state of the art gymnasia and a Physical Director on roll for imparting training to the students in the games and sports. Justifiably, the students of the College have excelled equally well also in games, literary and cultural activities and could secure many a prize, medal and distinction in various University, State and National Level Meets. Recently one open Gym facility is added to the existing indoor gym. Also, there is a Course on Physical Education (COCA 100) in the Course Curricula.

**Sports and Physical Education**

**Status of physical education facilities**.

| Sl.No. | Games and sports | Equipment and infrastructure available | Adequate / inadequate |
|---|---|---|---|
| 1 | Basket Ball | Basket ball court | Adequate |
| 2 | Cricket and Football | Play grounds | Inadequate* |
| 3 | Table Tennis | T.T. boards | Inadequate** |
| 4 | Shuttle | Shuttle court | Inadequate** |
| 5 | Volley ball | Volley ball court | Adequate |
| 6 | Athletics | Track | Inadequate*** |

* Play grounds need further development, pavilion and turf pitch

** Needs Indoor Stadium

*** Needs laying of permanent tracks

**b. Participation of students in sports and games:**

| Name of Sport | Level of participation | | | | Award / recognition | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | Univer-sity | Zonal | National (Inter-varsity) | Inter National | Univer-sity | Zonal | National | Inter National | |
| Athletics | Yes | -- | Yes | -- | Yes | -- | -- | -- | -- |
| Volley Ball | Yes | - | Yes | -- | Yes | -- | -- | -- | -- |
| Shuttle Badminton | Yes | Yes | - | -- | -- | -- | -- | -- | -- |
| Basket Ball | Yes | - | Yes | -- | -- | -- | -- | -- | -- |
| Cricket | Yes | Yes | Yes | -- | Yes | -- | -- | -- | -- |
| Chess | Yes | -- | Yes | -- | Yes | -- | -- | -- | -- |
| Ball Badminton | Yes | Yes | -- | -- | -- | -- | -- | -- | -- |
| Table Tennis | Yes | - | Yes | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | |

**6.5.5.4. Auditorium:**

Not available in the College.

**6.5.5.5. Exhibition hall/Museum:**

***Plant Health clinic:***

There is a Plant Health Clinic where Agronomists, Entomologists, Plant Pathologists, Soil Scientists and Plant Physiologists sit together and offer solutions to the field problems faced by the farmers.

**Health Clinic:**

The College does also have a Health Clinic supervised by a qualified doctor and an ambulance to provide transport to the students and the staff to the nearby hospitals in case of medical emergency. Pharmacy and medical kits are made available at the boys and girls hostels under the custody of health secretaries and while on tours.

## 6.5.6. Research Facilities

### 6.5.6.1. Post graduate Laboratories and equipment:

### A. CENTRAL INSRUMENTATION CELL:

Central Instrumentation cell was established at the Agricultural College, Naira during 2018-19 with sophisticated equipments to cater the needs of U.G and P.G. students as well.

| List of equipment/facilities available with Central Instrumentation Cell useful for PG research at Agricultural College, Naira | | |
|---|---|---|
| **S. No.** | **List of equipment /lab facilities** | **Qty** |
| 1 | Refrigerated incubator cum shaker | 1 |
| 2 | Thermal Cycler | 1 |
| 3 | ELISA reader and Microplate washer | 1 |
| 4 | Rotary vacccum Evaporator | 1 |
| 5 | Minus 20 Deep Freezer | 1 |
| 6 | Vortex Mixture | 2 |
| 7 | Micropipettes | 7 |
| 8 | Trinocular Microscope-Stereozoom | 1 |
| 9 | BOD incubator | 2 |
| 10 | Double distillation apparatus | 1 |
| 11 | Flame photometer | 1 |
| 12 | pH meter | 1 |
| 13 | Digital electronic balance-internal | 1 |
| 14 | Leaf image analysis system | 1 |
| 15 | EC meter | 4 |
| 16 | Hot Air Oven | 1 |
| 17 | Fume Hood | 1 |
| 18 | Top loading balance | 1 |
| 19 | Single distillation unit | 1 |
| 20 | Autoclave vertical | 1 |
| 21 | Tissue culture racks | 3 |

## B. Class Rooms & Laboratories

### a) Dept. of Agronomy:

- Two Class rooms & One laboratory are available for PG students with facilities sufficient enough to conduct theory and practical classes
- College Farm sprawling in an area of 251 acres with wet, rainfed and garden lands available to meet the requirement of the PG research programme in addition to UG prerequisites at this College.

**Equipments :**

| S.No | Name of the equipment | No of Units |
|---|---|---|
| 1 | Hanging type dial spring balance | 2 |
| 2 | Soil auger (table type) | 3 |
| 3 | Dickey Jhon's Multi grain Moisture Meter | 2 |
| 4 | Run off stage level Recorder | 1 |
| 5 | Soil Auger (Screw type) | 6 |
| 6 | Refracto meter (Abbes type) | 2 |
| 7 | Thermister thermometer | 3 |
| 8 | Barograph | 1 |
| 9 | Cup counter anemometer | 1 |
| 10 | Infra red moisture balance | 1 |
| 11 | Infra red thermo meter | 1 |
| 12 | GE- VIP Polite overhead Projector | 1 |
| 13 | Psychomotor | 1 |
| 14 | Light meter | 1 |
| 15 | Double Ring Infitrometer | 2 |
| 16 | Water meter 2" | 1 |
| 17 | Run off stage level recorder | 1 |
| 18 | Afcoset electronic precision balance fx 3000 | 1 |
| 19 | Computer – Data-mini | 1 |
| 20 | LCD Projector | 1 |
| 21 | Slide projectors | 1 |
| 22 | Rapid Moisture meter | 2 |
| 23 | Zeal Max. Min. thermometer | 1 |
| 24 | Lynx whishing hygrometer | 1 |
| 25 | Aluminum Pots | 36 |
| 26 | Barigo thermo hygrometer | 1 |
| 27 | Lux meter | 1 |
| 28 | Barigo Aneroid barometer | 1 |
| 29 | Fortin Barometer | 1 |
| 30 | Vernior caliper | 2 |
| 31 | Screw gauge | 2 |
| 32 | Top pan Balance (2 kg) | 1 |
| 33 | Hot air oven | 2 |
| 34 | Portable EC & pH meter | I unit |
| 35 | Willy mill | 1 |

**b) Soil Science & Agricultural Chemistry,**

| Sl.No | Equipment / facility | No of units |
|---|---|---|
| 1 | Atomic Absorption Spectrophotometer (AAS) | 1 |
| 2 | UV Spectrophotometer | 1 |
| 3 | Kel Plus – Nitrogen Analyzer | 1 |
| 4 | Flame Photometer | 1 |
| 5 | Millipore - Water distillation Unit | 1 |
| 6 | pH meter | 2 |
| 7 | Electrical Conductivity meter | 2 |
| 8 | Yoder's apparatus | 1 |
| 9 | Double Ring infiltrometer | 1 |
| 10 | Centrifuge | 1 |
| 11 | Orbital Shaking incubator | 1 |
| 12 | Deep freezer | 1 |
| 13 | Muffle furnace | 1 |
| 14 | Micro balance | 1 |
| 15 | Fume cupboard chamber | 1 |
| 16 | Core Sampler | 1 |
| 17 | Hot air oven | 1 |
| 18 | Hot plate | 1 |

**c) Entomology:**

✓ Two Class rooms and One lab are available for PG students and the facility is sufficient

✓ College Farm sprawling in an area of 251 acres with wet, rainfed and garden lands available to meet the requirement of the PG research programme in addition to UG prerequisites at this College.

Equipment available in the Dept. of Entomology and Central Instrumentation Cell containing sophisticated and advanced equipment as listed below.

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Stereo Zoom Microscope with image analyser | 1 Nos. |
| 2 | Stereo Zoom Microscope | 1 No. |
| 3 | Magnoscopes (Bench Magnifiers) | 16 Nos. |
| 4 | KEMI B.O.D Incubator | 1 No. |
| 5 | PC based UV-VIS Spectrophotometer Model-119 | 1 No. |
| 6 | Electronic Digital Balance | 2 Nos. |
| 7 | Micro Syringe Applicator with Needle | 2 Nos. |
| 8 | REMI medico Plus Centrifuge | 1 No. |
| 9 | REMI Compact Cooling Centrifuge | 1 No. |
| 10 | KEMI Laminar Air Flow Cabinet | 1 No. |
| 11 | KEMI Hot Air Oven | 1 No. |
| 12 | KEMI Autoclave | 1 No. |

### d) Plant Pathology

| List of equipment/facilities available with Department of Plant Pathology useful for PG research at Agricultural College, Naira | | |
|---|---|---|
| **S. No.** | **List of equipment /lab facilities** | **Qty** |
| 1 | Refrigerated incubator cum shaker | 1 |
| 2 | Micropipettes | 1 set |
| 3 | Trinocular Microscope-Camera attached | 1 |
| 4 | BOD incubator | 1 |
| 5 | Single distillation apparatus | 1 |
| 6 | pH meter | 1 |
| 7 | Digital electronic balance-internal | 1 |
| 8 | EC meter | 2 |
| 9 | Hot Air Oven | 1 |
| 10 | Autoclave vertical | 1 |
| 11 | Laminar air flow chamber | 2 |

### 6.5.6.2. Research Contingency:

The budgetary requirement for conducting research is met from the regular contingency amount provided to the College

## 6.5.7.Outcome/Output:

- So far 1510 students (929 boys and 581 girls) of 28 batches graduated from this campus out of 1752 students with very impressive pass percent of 86.2.and the pass percent of girls is 88.7 this is 8 percent higher over boys is another notable thing at this campus.
- Till to date 45 students(24-Agronomy, 17-Genetics and plant breeding and 04-Entomology) completed their post graduation at this campus
- Students of the College could complete their degree as OGPA (Overall Grade Point Average) toppers among all the Colleges of the University.
- Every year, a good number of students get through the ICAR Junior Research Fellowship Examination with good ranks and then pursue Post Graduate studies in prestigious Universities and Institutes across the country.

- A number of students could secure ranks in CAT for admission to the Indian Institutes of Management (IIMs) and other prestigious business schools.
- A number of students are going abroad pursuing further studies in various Universities and research institutions.
- A large number of students of the College now occupy high positions in various Universities, Research Institutes, Government Departments, Banks and Financial Institutions, Civil Services, and Public and Private Sectors.
- A number of students excelled in entrepreneurship development also. Students of the College have succeeded also in Civil Services examinations like those for selection to Indian Revenue Service, Indian Forest Service and the prestigious Group-I Services Examinations conducted by the Andhra Pradesh Public Service Commission.

Students of the College after completion of their studies are now pursuing various kinds of career development or are employed in various kinds of organizations, some of which are furnished below.

1. Higher studies (M.Sc. (Ag)/Ph.D.)
2. Management programmes (MBA, MABM etc.,)
3. Agriculture and Line Departments of the Government
4. Banking Industries (both Public and Private sector banks)
5. Input Industries like fertilizers, pesticides, and auxiliary plant protection and plant production chemicals
6. Teaching, Research and Extension in State Agricultural Universities and ICAR Research Institutes
7. Insurance Sector
8. Consultancy Organisations
9. Public Services
10. Non-Government Organisations
11. Self employment
12. Entrepreneurship Development Institutues
13. Overseas employment
14. Trading and market intelligence
15. Seed production and marketing
16. Software Sector

The number of the students graduated from this College since inception and pursuing their career in various sectors based on information that the College could gather is presented in the following table.

| Sl. No. | Sector | No. of students working |
|---|---|---|
| 1 | University Teachers and Scientists (including ICAR) | 75 |
| 2 | Banking Sector | 138 |
| 3 | Government Services (Dept. of Agriculture) | 353 |
| 4 | Self employment | 75 |
| 5 | Settled abroad | 35 |
| 6 | Management professionals | 64 |
| 7 | Private Sector (Fertilizer, Pesticides & Other Agri input industries) | 321 |
| 8 | All India Services (IRS, IFS etc) | 10 |
| 9 | Group Services of State | 9 |
| 10 | Doctorates | 67 |

### 6.5.7.1. Student performance in national examinations

### a) PG and Ph.D.

| S. No. | Academic Year | JRF | Non- JRF | ANGRAU | Management Institutions | SRF | Non-SRF |
|---|---|---|---|---|---|---|---|
| 1 | 2015-16 | 2 | 5 | 9 | 0 | 2 | 6 |
| 2 | 2016-17 | 1 | 9 | 11 | 7 | 1 | 7 |
| 3 | 2017-18 | 1 | 17 | 21 | 8 | 2 | 3 |
| 4 | 2018-19 | 2 | 7 | 8 | 8 | 1 | 0 |
| 5 | 2019-20 | 9 | 16 | 11 | 9 | 0 | 0 |

### b) Students selected for prestigious business schools:

| S.No. | Name | Institute | Batch | Programme |
|---|---|---|---|---|
| 1 | K. Rajeev Kanna | IIM, Ahmadabad | 2015 | Food & Agri Business Mgt. |
| 2 | R Dileep Kumar | IIM, Budhagaya | 2015 | PGP-MBA |
| 3 | P. Shalini | IIM, Ranchi | 2015 | PGP-MBA |
| 4 | S. Ravi Kumar | MANAGE | 2015 | PGD-ABM |
| 5 | B. Kiran Kumar | NIAM | 2015 | PGD-ABM |
| 6 | B. Chalapathi Rao | IRMA | 2015 | PGD-RM |
| 7 | P. Rajesh | VAMNICOM | 2015 | PGP-CO-OP.Mgt. |
| 8 | S. Rama Subba Reddy | VAMNICOM | 2015 | PGP-CO-OP.Mgt. |
| 9 | G. Vidya Sagar | VAMNICOM | 2015 | PGP-CO-OP.Mgt. |
| 10 | G. Likhitha | IIM, Ahmadabad | 2015 | Food & Agri Business Mgt. |
| 11 | V. Sainadh | MANAGE | 2016 | PGD-ABM |
| 12 | U. Sirichandana | NIAM | 2016 | PGD-ABM |

### 6.5.7.2.Student placement profile

| S. No. | Placement year | Private firms | Banking Institutions | TA/RA | Govt. Sector | TOTAL |
|---|---|---|---|---|---|---|
| 1 | 2015-16 | 5 | 6 | 1 | 28 | 40 |
| 2 | 2016-17 | 5 | 5 | 6 | 27 | 42 |
| 3 | 2017-18 | 3 | 8 | 0 | 43 | 54 |
| 4 | 2018-19 | 2 | 0 | 0 | 55 | 57 |
| 5 | 2019-20 | 0 | 0 | 1 | 28 | 29 |

### 6.5.7.3. Awards recognitions/ Certificates:

### a) Students academic excellence

| S. No. | Academic Year | Name of the Student | Name of the Award | Category |
|---|---|---|---|---|
| 1 | 2015-16 | Somwya Ranjan Satapathy | Malla Jagannadam Memorial Prize RARS, Anakapalle | Highest OGPA |
| 2 | 2015-16 | Somwya Ranjan Satapathy | Kinjarapu Yerramnaidu Award of Gold Medal | Highest OGPA |
| 3 | 2015-16 | Somwya Ranjan Satapathy | Srikakulam District Industrial and Commercial Exhibition Society | Highest OGPA |
| 4 | 2015-16 | Somwya Ranjan Satapathy | Mani Mannar Memorial Gold Medal Award | Highest OGPA |
| 5 | 2016-17 | Sowmya Sthitha Pragyan | Malla Jagannadam Memorial Prize RARS, Anakapalle | Highest OGPA |
| 6 | 2016-17 | Sowmya Sthitha Pragyan | Kinjarapu Yerramnaidu Award of Gold Medal | Highest OGPA |
| 7 | 2016-17 | Sowmya Sthitha Pragyan | Srikakulam District Industrial and Commercial Exhibition Society | Highest OGPA |
| 8 | 2016-17 | Sowmya Sthitha Pragyan | Mani Mannar Memorial Gold Medal Award | Highest OGPA |
| 9 | 2018-19 | Ms.G.Sandhya Sree | Malla Jagannadam Memorial Prize RARS, Anakapalle | Highest OGPA |
| 10 | 2018-19 | Ms. G. Sanjana | “Techno-strategic interventions for Profitable Agriculture at NCPGS-2018 | Best Oral Presentation award |
| 11 | 2018-19 | Ms.I. Bhargavi | Malla Jagannadam Memorial Prize RARS, Anakapalle | Highest OGPA |
| 12 | 2018-19 | Ms.I. Bhargavi | Best Student Award, Agricultural College, Naira | All round performance |
| 13 | 2019-20 | Ms. Sowmya R | Best Student Award, Agricultural College, Naira | All round performance |

### b) Bayer fellowships during 2019-20:

| | |
|---|---|
| 1 | Anjusree .B |
| 2 | Likhitha .G |
| 3 | Rakesh.R |
| 4 | Eswara Sai Prasad G.E.Ch |

### c) Other State and District level Awards :

| S. No. | Year | Name of the event & Place | Recognition |
|---|---|---|---|
| 1 | 2019 | District level inter collegiate debate competitions under Garimella foundation Srikakulam | Received first prize in Telugu debate, elocution and Poetry |
| 2 | 2019 | Agri Carnival, Guntur | Bagged overall First Position in the event |

## d) Awards received by staff :

| S.No. | Year | Name of the Faculty/ Dept. / Institution | Name of the Award | Remarks |
|---|---|---|---|---|
| 1 | 2015-16 | Dr. R. Ankaiah Associate Dean | Ugadi Puraskar | Received from the Hon'ble Chief Minister Sri Nara Chandrababu Naidu, Govt. of Andhra Pradesh on the eve of Ugadi Festival |
| 2 | | Dr. R. Ankaiah Associate Dean | State Level Best Scientist | Received from the Hon'ble Vice Chancellor, ANGRAU |
| 3 | | Dr.A.V.Ramana, Professor & Head, Dept. of Agronomy | Meritorious Service Award | Received from Hon'ble Minister for Sports, Youth affairs and Labour, Govt. of A.P on the eve of Independence Day |
| 4 | | Dr. R. Ankaiah Associate Dean | Lifetime Achievement | Received from the Chairman of Venus International Foundation, Chennai, Tamil Nadu |
| 5. | | Dr.P.Seetharamu, Assoc. Professor, Dept.of Entomology | Rythu bhandu Award | Received from Rythu bhandhu Monthly telugu Agricultural Magazine, Nest foundation, Hyderabad, Telangana |
| 6 | | Dr. M. Suresh Associate Professor | Meritorious Research Scientist award | ANGRAU,Hyderabad. |
| 7 | | | Highest OGPA in Doctoral programme | PJTSAU,Hyderabad |
| 8 | | Mrs.N.Bharathi, Asst.Professor Dept.of Horticulture | International Plant Nutrition Institute (IPNI) Award-2015 | IPNI, Georgia, USA |
| 9 | | Dr.A. Upendra Rao Professor, Dept.of Agronomy | Appreciation certificate from District Administration | Independence day Celebrations 15th August,2015 at Srikakulam |
| 10 | | Dr.P.Seetharamu, Coordinator and Head, DAATTC, Vizianagaram | Best DAATTC Award | University level award received in REAC meeting Held at RARS, Tirupathi on 20-1-2016 |
| 11 | | Dr.P.Gurumurthy Associate Professor Dept. of SSAC | Best DAATTC Award | University level award received in REAC meeting Held at RARS, Tirupathi on 20-1-2016 |

| | | | | |
|---|---|---|---|---|
| 12 | | | Outstanding contribution award by Dist Collector | Republic day Celebrations 26th January, 2016 at Srikakulam |
| 13 | | Dr. M.Suresh Kumar Professor, Agricultural Extension | Best paper presented award | By AFITA Suncheon National University South Korea on 21st to 24th June 2016 |
| 14 | | Dr.M.Lakshmi Durga,Asst.Professor Dept.of Horticulture | International Plant Nutrition Institute (IPNI) Award-2015 | IPNI, Georgia, USA |
| 15 | | | DST-INSPIRE Fellowship, 2013-2017 | Department of Science and Technology, New Delhi |
| 16 | 2016-17 | Dr. N. Sunanda Assistant Professor, Department of Agricultural Economics | Best Teacher | Commendation Certificate received Associate Dean, Agrl. College, Naira on the occasion of Independence Day Celebrations (15.08.2016) |
| 17 | | Mr.K.C. Nataraj Asst.Professor, Dept. of SSAC | Young Scientist Award | National Conference on Innovative and Current Advances in Agriculture & Allied Sciences organized during 10-11 Dec.2016 at PJTSAU, Hyderabad |
| 18 | | Dr. S. Dhurua, Associate Professor & Head, Department of Entomology | Appreciation certificate from District Administration | Republic day Celebrations 26th January, 2017 at Srikakulam |
| 19 | | Dr. S. Govinda Rao, Asst. Professor, Department of Statistics & Mathematics | Certificate of Appreciation | During the 68th Republic Day Celebrations held at Ag.College, Naira on 26.01.2017 |
| 20 | | Dr. M.Suresh Kumar Professor, Agricultural Extension | Best paper presented award | International Conference conducted by National Research Center Cairo, Egypt on 27th to 29th March 2017 |
| 21 | | | Bharat Vikas Award | Institute of Self Reliance, Bhuvaneshwar on 19th November 2017. |
| 22 | 2017-18 | Dr.P.Seetharamu, Assoc. Professor, Dept.of Entomology | Best Teacher | Commendation Certificate received Associate Dean, Agrl. College, Naira on the occasion of Independence Day Celebrations (15.08.2017) |
| 23 | | Dr. D. Sudhakara Rao | Got first place | Doctorate programme at CCHAU,Hissar,2017 |
| 24 | | Mr. D. Anil Kumar Asst.Prof., Dept. of Entomology | Certificate of appreciation on 15th August, 2017 | Received from District administration, Srikakulam on the occasion of 63rd Independence Day celebrations |
| 25 | | Dr. P. Seetharamu Assoc. Professor, Dept of Entomology | Fellow of Plant Protection Association of India (FPPAI) | Brain storming Session on" Emerging Plant Protection Technologies Opportunities and Challenges" at NIPHM, Hyderabad on 20.04.2018 |

| | | | | |
|---|---|---|---|---|
| 26 | | Dr. S. Neelaveni , Assistant Professor, (Ag. Extn) | Certificate of Appreciation | During the 68th Republic Day Celebrations held at Ag.College, Naira on 26.01.2018 |
| 27 | | Dr. M.Suresh Kumar Professor, Agricultural Extension | VIFA distinguished faculty award | Venus International Foundation, Chennai on 7th July 2018 |
| 27 | 2019 | Dr.P.Gurumurthy Professor Dept. of SSAC | State Level Best teacher award | State Level teachers day function on 05/09/ 2019 |

**6.5.7.4. Employability:**

The College does have an active Placement Cell, the task of which is to wedge the gap between the emerging job seeking graduates of the College and the organizations that require trained skilled manpower for running their enterprises. A large number of students could get jobs in various public and private sector organizations much before the completion of their degrees. Some of the important organizations which conducted on-campus and off-campus interviews for their manpower requirement and recruited Graduates of this College in the last few years include.

1. Indian Tobacco Company
2. Coromandal Fertilizers
3. Indian Farmers Fertilizers Cooperative Limited
4. Nagarjuna Fertilizers and Agrochemicals Limited
5. Dhanuka Agrochemicals
6. Matrix Agriculture Limited
7. Bayer Crop Science
8. FMC
9. Syngenta etc.,

In addition to helping the students in finding placement after completion of their degrees, the Placement Cell organizes also courses on spoken English, Communication Skills, Personality Development, Group Discussion and Guest Lectures on contemporary topics by experts for the benefits of the students, so that they perform better in interviews.

| S. No. | Academic Year | No. of Outgoing Students | No. Working | % to Outgoing Students |
|---|---|---|---|---|
| 1 | 2015-16 | 70 | 40 | 57.14 |
| 2 | 2016-17 | 74 | 42 | 56.75 |
| 3 | 2017-18 | 100 | 54 | 54.00 |
| 4 | 2018-19 | 80 | 57 | 71.25 |
| 5 | 2019-20 | 93 | 29 | 31.18 |

**Alumni achievements**

- A number of students are now occupying high positions in various organizations including All India Administrative services.
- A number of students of this College qualified in various All India Examinations and could find placement in high positions. Some of them are listed below.

**Alumni of the college in high positions (Public and Private sectors)**

| Sl. No. | Name of the Student | Service |
|---|---|---|
| 1 | Sri. S. Dilli Rao | Indian Administrative Sevice |
| 2 | Sri. D. Satish | Indian Revenue Service |
| 3 | Sri. R.A. Praveen Kumar | Indian Revenue Service |
| 4 | Sri.P.Rajasekher | Indian Forest Service |
| 5 | Sri.K.Pratap | Indian Forest Service |
| 6 | Sri. S. Rambabu | Indian Forest Service |
| 7 | Sri. P. Rajendra Naidu | Indian Forest Service |
| 8 | Sri. V. Kiran Babu | Indian Forest Service |
| 9 | Sri. Rohita Kumar Lenka | Indian Forest Service |
| 10 | Sri.S.Venkatesh | Indian Forest Service Conferred |
| 11 | Smt.G.V.Prasoonamba | Indian Forest Service Conferred |
| 12 | Mrs. R.V. Padmaja | Group I Services in Government of A.P. |
| 13 | Sri.K.Sivaprasad | Group I Services in Government of A.P. |
| 14 | Dr.G.Dileepkumar | Global Leader, IOWA State University |
| 15 | Dr.G.Kalyan Chakravarthy | Account Manager for Asia.Wageningen University and Research (WUR), The Netherlands. |
| 16 | Sri.S Gopikrishna | President, YES Bank |
| 17 | Sri.K.Phalguna Rao | Country Head FMC Corporation Ltd. |
| 18 | Dr. Netaji SVSRK | Managing Director, Sindhu Seeds & Crop Innovations |
| 19 | Sri.CAS NAIDU | National Manager - Marketing at ADAMA India |
| 20 | Sri.A.Rama Ch andra | Managing Director,Green Morning Horticulture Pvt Ltd, Hyderabad. |

| | | |
|---|---|---|
| 21 | Sri.V.Ravi Kumar, | National Manager (Sales)<br>-Algaenergy. South Asia |
| 22 | Dr.D.H. Sudhakar Naidu | Research Officer,Univ. of Saskatchewan, Saskatoon, Canada |
| 23 | Sri. Madan Mohan G | General Manager - Market Development at FMC Corporation |

Agricultural College, Naira established as one more constituent College of Andhra Pradesh Agricultural University (now Acharya N. G. Ranga Agricultural University) has more than realized the mandates and objectives with which the College was established way back in the year 1989. The College has today attained the stature of a premier institution *par excellence* in the entire State and even beyond, in the state of Andhra Pradesh in the field of agricultural education at Graduate level, and has become an icon of quality agricultural education.

6.5.9. CERTIFICATE

I, the Associate Dean, Dr. A.V.Ramana hereby certify that the information contained in the Section 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the college, and degree awarding University.

Date: 14th September, 2020




14/9/2020

Signature of the Associate Dean & Seal

(A.V. Ramana)

Associate Dean

Agricultural College

NAIRA-532 185.

Srikakulam Dist. (A.P.)

## ***ANNEXURE***

**Faculty Credentials (Department wise)**

**Dr.A.V.Ramana, Associate Dean**
**Information on Guidance to PG / Ph.D students (2015-2020):**

| S.No | ID Number | Name of the student | Thesis Title | Role (Chairman / Member) |
|---|---|---|---|---|
| M.Sc | | | | |
| 1 | NAM/ 2010-004 | M. Sandhya Kanthi | Appraisal of Nutrient Requirement of Rice under Different Crop Establishment Techniques | Chairman |
| 2. | NAM/ 2011-001 | K. Jeevana jyothi | Nutrient management for higher productivity of *rabi* maize in North Coastal Zone of A.P | Chairman |
| 3. | NAM/ 2011-002 | S. Keerthi | Nutrient management for enhancing the productivity of sweet corn in north coastal zone of Andhra Pradesh | Member |
| 4. | NAM/ 2011-004 | U. Sai Sravan | Studies on improvement of system productivity through introduction of pre-kharif crops in rice | Member |
| 5. | NAM/ 2012-04 | P. Pushpa | Optimization of sowing window and crop density in Mesta for seed production | Chairman |
| 6. | NAM/ 2013-01 | Hemalatha. K | Weed management in semidry rice under North Coastal Conditions | Chairman |
| 7. | NAM/ 2013-02 | Pradeep Kumar. K | Potassium Management in Rice for North Coastal Zone of Andhra Pradesh | Member |
| 8. | NAM/ 2013-03 | Priyanka. G | Weed management in rice under mechanised system of rice intensification | Member |
| 10. | NAM/ 2014-03 | Naga Lakshmi.V | Optimization of Seed Rate and Foliar Nutrition for the seed Crop of Dhaincha under Rice-fallows | Member |
| 11 | NAM/2014-01 | Aliveni. A | Bio-efficacy of acifluorfen+clodinafop-propargyl on control of *Vicia sativa* L. and other weeds in rice fallow blackgram | Member |
| 12. | NAM/ 2014-02 | Anusha. K | Nutrient management in Semi-dry Rice (*Oryza sativa* L.) for North Coastal A.P | Chairman |
| 13 | NAM/2014-04 | Pradeep Kumar. S | Fortification of Zinc in Rice- Greengram Cropping System | Member |
| 14. | NAM/ 2015-01 | Deepthi. CH | Nutrient management in *rabi* sesame for North Coastal Andhra Pradesh | Chairman |
| 15 | NAM/2015-02 | Siddartha Naik. B.S.S | Performance of Sorghum hybrids under different nitrogen levels in rice-fallow conditions of North Coastal A.P | Member |
| 16. | NAM/ 2016-02 | Ramya Sri. K | Performance of foxtail millet varieties under different N levels in rice fallow conditions of North Coastal Andhra Pradesh | Chairman |
| 17. | NAM/ 2017-02 | Sanjana. G | Studies on fertilizer requirement of rice fallow finger millet for north coastal A.P | Member |
| 18. | NAM/ 2017-01 | Salomi Grace. M | Effect of foliar nutrition on yield and economics of sweet corn | Chairman |
| 19 | NAM/2017-03 | Suresh Kumar. B | Green seeker based nitrogen management in rice | Member |

| Ph.D | | | | |
|---|---|---|---|---|
| 1 | BAD/2012-007 | Dr. L. Suryanarayana | Studies on heterosis, gene action and stability of $F_1$ hybrids in Maize (*Zea mays* L.) for yield and yield components. | Member |
| 2 | TAD/2017-003 | Kaviti Vijayalakshmi | Weed and nutrient management in dry direct sown rice in North-Coastal Andhra Pradesh | Co-Chairman |

**Information on Professional Certificates / Honors / Awards:**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1. | 2006 | ANGRAU best teacher award | Governor of Andhra Pradesh |
| 2. | 2010 | Mandava foundation gold medal for Excellency in Teaching | Padma vibhushan Dr. M.S.Swaminathan. |
| 3. | 2017 | Meritorious service award | Hon'ble minister for labour welfare sports and games. |

**Information on List of Publications (Last 5 years; 2015 onwards):**

| S no | Authors (as given in the publication) | Year | Title of the publication |
|---|---|---|---|
| 1 | A.Aliveni., A.S Rao., **A.V. Ramana** and J. Jagannadham. | 2016 | Management of common vetch and other weeds in relay crop of Blackgram. *Indian Journal of Weed Science.* 48(3):341-342. |
| 2 | Sai Sravan, U., Ramana Murthy, K.V., **Ramana, A.V** and Sunanda, N. | 2016 | Studies on improvement of system productivity through introduction of pre-*kharif* crops in rice (Oryza sativa L.) based cropping system. *The Andhra Agricultural Journal*. 63(2): 251-255. |
| 3 | K.Jeevana Jyothi., **A.V. Ramana,** K.V. Ramana Murthy and N. Sunanda. | 2016 | Nutrient management effects on yield and economics of *rabi* maize (*Zea mays*). *The Andhra Agricultural Journal.* 63 (2):256-262. |
| 4 | K. Hemalatha, **A.V. Ramana**, K.V. Ramana Murthy and J. Jagannadam | 2016 | Weed Management in Semidry Rice. *The Andhra Agricultural Journal.* 63(3): 543-548. |
| 5. | P. Pushpa., **A.V. Ramana.**, Ch. Pulla Rao and G. Rama Rao | 2016 | Optimization of sowing window in mesta for seed production. *The Andhra Agricultural Journal*. 63(3): 508-511. |
| 6 | Sravanthi, S., **Ramana, A.V** and Ramana Murthy, K.V. | 2016 | Growth, yield and economics zero till maize as influenced by nutrient management practices in North Coastal Zone of A.P. *Research on Crops.* 17 (3): 458-461 |
| 6 | Sravanthi, S., **Ramana, A.V**., Ramana Murthy, K.V and Jagannadham, J. | 2016 | Nutrient management in zero till maize for North Coastal Zone of A.P. *The Andhra Agricultural Journal.* 63(4): 741-746. |
| 7 | Sravanthi, S **and Ramana, A.V.** | 2016 | Yield, nutrient uptake and economics of zero till maize as influenced by nutrient management practices in North Coastal Zone of A.P*. International Journal of Science and Nature*. 7(3): 553-556. |
| 8 | Sravanthi, S and **Ramana, A.V.** | 2016 | Effect of nutrient management Practices on Yield, nutrient uptake and postharvest nutrient status of zero till maize in North Coastal Zone of A.P. *Progressive Research –An International Journal*. 11(4):2506-2510. |

| | | | |
|---|---|---|---|
| 9. | Sravanthi, S., Anusha, K and **Ramana, A.V.** | 2016 | Agri-waste management – Issues and strategies. *Kisan World- A journal of Agriculture and Rural development*. 43(7):27-29. |
| 10. | Sravanthi, S., **Ramana, A.V** and Hemalatha, K. | 2016 | Vinayaka chaviti-palu mokkala sastreeyata-visleshana. *Agriclinic.* 7(4):5-10. |
| 11. | **Ramana, A.V**., Sravanthi, S and Hemalatha, K. | 2016 | Vedajalli pandinche vari polallo kalupu nivarana. *Raithuvani.* 5-6. |
| 12. | A.Aliveni., A.S Rao., **A.V. Ramana** and J. Jagannadham | 2017 | Nutrient uptake by *Vicia sativa* and other weeds in rice fallow blackgram. *The Andhra Agricultural Journal.* 64(2): 295-298. |
| 13 | K.Anusha., **A.V. Ramana.,** A Upendra Rao and J.Jagannadham | 2017 | Nutrient management in yield of semi dry rice for north coastal zone of A.P. *The Andhra Agricultural Journal.* 64 (2): 299-303. |
| 14 | K. Hemalatha., **A.V. Ramana.,** Neha Sharma and Sunil Kumar | 2017 | Correlation and Regression Analysis of Semidry Rice – Weed Ecosystem. *Environment and Ecology*. 35(3A): 1814-1817. |
| 15 | K.Hemalatha., **A.V. Ramana.,** Neelam Bisen and Meena Rani | 2017 | Effect of Weed Management Practices on Yield and Economics of Semidry Rice. *Journal of Pure and Applied Microbiology.* 11(2): 1027- 1032. |
| 16 | S. Pradeep Kumar., K.V. Ramana Murthy., **A.V. Ramana** and J. Jagannadam. | 2017 | Fortification of Rice- Greengram cropping system. *The Andhra Agricultural Journal.* 64 (3): 507-510. |
| 17 | L.Suryanarayana, M. Reddy Sekhar, D. Ratna Babu, **A.V Ramana** and V. Srinivasa Rao | 2017 | Genetic divergence studies in Maize (*Zea mays* L.). *International Journal of Current Microbiology and Applied Sciences* 6(7): 360-365 |
| 18 | L.Suryanarayana, M. Reddy Sekhar, D. Ratna Babu, **A.V Ramana** and V. Srinivasa Rao | 2017 | Cluster and Principal component analysis in Maize. *International Journal of Current Microbiology and Applied Sciences* 6(7): 354-359. |
| 19. | Suryanarayana, L., Reddy Sekhar, M., Ratna Babu, D and **Ramana, A.V.** | 2018 | Identification of donor lines containing favourable alleles for improving target maize hybrid (BML 6 x BML 7). *The Pharma Innovation Journal.* 7(7): 512-515. |
| 20 | P. Pushpa and **A.V Ramana**. | 2018 | Ideal spacing in Mesta (*Hibiscus sabdariffa L*.) grown for seed purpose. *Agric. Sci. Digest.* 38(2): 149-151. |
| 21. | **Ramana, A.V.,** Sravanthi, S and Hemalatha, K. | 2018 | Common Vetch a new threat to rice fallow pulses in Coastal Andhra Pradesh. *Indian farming.* 68(6): 17-20. |
| 22. | Deepthi CH., **A.V. Ramana.,** A. Upendra Rao and P. Guru murthy. | 2018 | Nutrient management in rabi sesame for north coastal zone of Andhra Pradesh *The Andhra Agricultural Journal.* 65 (3): 525-528 |
| 23. | Deepthi CH., **A.V.Ramana.,** A. Upendra Rao and P. Guru murthy. | 2018 | Effect of soil and foliar applied fertilizers on yield attributes and yield of rabi sesame *Journal of Pharmacognasy and phytochemistry* 7(4):2824-2827 |
| 24. | K.Pradeep kumar., A Upendra Rao., **A.V. Ramana** and J Jagannadham | 2018 | Effect of graded levels and split application of potassium on performance of rice *The Andhra Agricultural Journal.* 65 (2): 260-266, |

| | | | |
|---|---|---|---|
| 25. | K. Ramyasri, **A.V. Ramana,** A. Upendra Rao **P.** Guru Murthy. | 2018 | Nutrient Uptake Vis a Vis Grain Yield of Foxtail Millet Varieties as Influenced by Nitrogen Levels in Rice Fallows *International Journal of Current Microbiology and Applied Sciences 7 (09): 2626-2629* |
| 26. | V Naga Lakshmi, A Upendra Rao, **A V Ramana** and J Jagannadam. | 2019 | Optimization of Seed Rate and Foliar Nutrition for Seed Crop of Dhaincha. *The Andhra Agricultural Journal.* 66 (4): 592-596, 2019 |
| 27. | Deepthi CH , **A.V.Ramana** A Upendra Rao,P Guru murthy. | 2019 | Yield and economic returns of sesame as influenced by soil applied fertilizers and foliar nutrition. *International journal of chemical studies* 7(3):4324-4327 |
| 28. | Ramyasri K,**A.V.Ramana** A Upendra Rao, P Guru murthy. | 2019 | Productivity of foxtailmillet(*seteria italica L*) varieties as influenced by nitrogen levels in rice fallows of north coastal A.P. *The Andhra Agricultural Journal.* 66 (1): 39-43 |
| 29. | Suresh kumar Billa, Ramana Murthy K.V, **Ramana A.V** and Jagannadham, J. | 2020 | Nutrient uptake *VIS A VIS* Yield of puddle transplanted rice as influenced by NDVI values of Green seeker and nitrogen levels. *Multilogic in science* X(XXXIV):923-925 |
| 30 | Suresh kumar Billa, Ramana Murthy K.V, **Ramana A.V** and Jagannadham, J. | 2020 | Growth and Yield of transplanted rice (*Oryza sativa L.)* as influenced by NDVI values of Green seeker and Graded levels of nitrogen. *The Andhra Agricultural Journal.* 67 (1): 13-18. |
| 31 | M Salomi Grace, **A.V. Ramana**, A Upendra Rao and P Guru Murthy | 2020 | Effect of foliar nutrition on growth and yield of sweet corn. *The Pharma Innovation Journal.* 9(3): 622-625 |
| 32 | M Salomi Grace, **A.V. Ramana**, A Upendra Rao and S Govinda Rao. | 2020 | Effect of foliar nutrition on yield and economics of sweet corn *Int.J.Curr.Microbiol.App.Sci* 9(7): 1-8 |
| 33 | G Sanjana, A Upendra Rao, **A.V. Ramana** and P Guru Murthy | 2020 | Effect of graded levels of nitrogen and foliar feeding of nutrients on performance of rice fallow finger millet [Eleusine coracana (L.)]. *The Pharma Innovation Journal.* 9(6): 406-411 |
| 34. | Kaviti Vijayalakshmi., APK Reddy., **A.V. Ramana**, P Sudhakar, TNVKV Prasad and B Ravindra Reddy | 2020 | Critical agronomic interventions for enhancing productivity of dry direct sown rice in North- Coastal AP. *International journal of Chemical studies*. 8(4): 2665-2670. |
| 35. | Kaviti Vijayalakshmi, APK Reddy, **A.V. Ramana**, P Sudhakar, TNVKV Prasad and B Ravindra Reddy | 2020 | Uptake of Zn and Fe by direct seeded rice as influenced by weed control methods, major and micronutrients. *Journal of Pharmacognasy and phytochemistry* 9(4):3349-3355. |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments**

| Name of the Seminar / event | Date | Sponsoring agency & Venue | Whether presented a paper / chaired session / served as rapporteur | Title of paper presented |
|---|---|---|---|---|
| National Seminar on Irrigation Development Policy and Agriculture in India since Independence | 25-26th November, 2011 | UGC sponsored seminar Organized at Dr. B.R. Ambedkar University, Srikaulam | Presented a Review paper | Efficient Management of Irrigation Water for Enhancing Water Productivity |
| National Conference on Go Green with Technology… | 4-5th March 2011 | Sri Venkateswara College of Engineering and Technology Etcherla, Srikakulam | Review paper presented | The Green way to sustain food production to feed ever increasing millions of hungry mouths - The scope and limitations |
| Symposium on Resource conservation technologies in Agriculture in the context of climate change | July 28-30 2010 | Agril. College, Bapatla | Research Paper Presented | Response of groundnut varieties to land configuration techniques under rainfed conditions of North Coastal A.P |
| Symposium on Precision Farming for Food Security | February 21-22, 2009 | RARS, Warangal | Research Paper Presented | Correlation and regression analysis of rice-weed ecosystem under rainfed upland conditions |
| National seminar on Agricultural Diversification in the Changing Global Scenario- a Paradigm Shift | 3-4 March 2006. | R.A.R.S, Nandyal | Research Paper Presented | Influence of Mulching and Micro Nutrient management Practice on Rainfed Upland Rice |
| UGC- National Seminar on Draft National policy on Tribals and Human Resources Development in Tribal Areas | 6-7, January 2006 | Andhra University, P.G Campus, Etcherla Srikakulam | Research Paper Presented | Traditional Wisdom and Its Scientific Corroboration in the crop production systems of tribal peasants in the Eastern Ghats of Andhra Pradesh. |

**A Department of Agronomy**

**1. Dr A Upendra Rao**

**a. Information on Guidance to PG / Ph.D students (2015-2020):**

| S.No | ID Number | Name of the student | Thesis Title | Role (Chairman / Member) |
|---|---|---|---|---|
| M.Sc | | | | |
| 1 | NAM/ 2013-02 | Pradeep Kumar. K | Potassium Management in Rice for North Coastal Zone of Andhra Pradesh | Chairman |
| 2 | NAM/ 2014-03 | Naga Lakshmi.V | Optimization of Seed Rate and Foliar Nutrition for the seed Crop of Dhaincha under Rice-fallows | Chairman |
| 3 | NAM/ 2014-02 | Anusha. K | Nutrient management in Semi-dry Rice (*Oryza sativa* L.) for North Coastal A.P | Member |
| 4 | NAM/ 2015-01 | Deepthi. CH | Nutrient management in *rabi* sesame for North Coastal Andhra Pradesh | Member |
| 5 | NAM/ 2016-02 | Ramya Sri. K | Performance of foxtail millet varieties under different N levels in rice fallow conditions of North Coastal Andhra Pradesh | Member |
| 6 | NAM/ 2017-02 | Ms. Sanjana. G | Studies on fertilizer requirement of rice fallow finger millet for north coastal A.P | Chairman |
| 7 | NAM/ 2017-01 | Salomi Grace. M | Effect of foliar nutrition on yield and economics of sweet corn | Member |
| Ph.D | | | | |
| 1 | BAD/2014-001 | P.Amara jyothi | Agronomic evaluation of crop establishment techniques, n-levels on rice (*oryza sativa* l.) And effects on succeeding greengram (*vigna radiata*) | Co-Chairman |

**Information on Professional Certificates / Honors / Awards :**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2013 | Best Scientist for the year 2013 | Rythu Bandu Magazine |
| 2 | 2015 | best scientist for the year 2015 | District Administration of Srikakulam on the occasion of Indepenceday of 2015 and felicitated by District Minister and District Collector Srikakulam. |

**c. Information on List of Publications (Last 5 years; 2015 onwards):**

| S. NO | Authors (as given in the publication) | Year | Title of the publication |
|---|---|---|---|
| 1 | **A. Upendra Rao** KMDMurthy,T V.Sridhar, S . K. RajuD Adi Lakshmi | 2015 | Site-specific nutrient management – a sustainable nutrient management option in rice, *Oryza Sativa* L. International Journal of Farm Sciences 5(4):24-31. |
| 2 | **A Upendra Rao,** K Madhu Kumar V Visalakshmi and N H Satyanarayana. | 2015 | Sources of nutrition and varietal Performance of organic rice Agric International Vol 2(1-2): 52-59 |
| 3 | K. M. Dakshina Murthy | 2015 | Effect of levels of nitrogen, phosphorus and potassium |

| | | | |
|---|---|---|---|
| | **A. Upendra Rao** D.Vijay andT.V.Sridhar | | on performance of rice. Indian journal of Agricultural Research, 49 (1):83-87 |
| 4 | K.Tejeswara Rao, **A.Upendra Rao.** D.Sekhar & N V GRao | 2015 | Performance testing of Finger millet ( *Eliusine coracana .L*) varieties under different crop establishment methods for north coastal Andhra Pradesh. Andhra Agricultural Journal 62(2):55-57 |
| 5 | K. Tejeswara Rao, **A. Upendra Rao,** D,sekhar and N. Venugopala Rao | 2015 | Identification of suitable and profitable *rabi* crops for tribal areas of north coastal Andhra Pradesh Journal of Eco friendly agriculture Vol 10(2):139-141 |

| | | | |
|---|---|---|---|
| 6 | Visalakshmi.V, Raju M.R.B, **Upendra Rao A,** Madhu Kumar K and Hari Satyanarayana N. | 2015 | Compatibility of insecticides and fungicides on major pests and sheath blight of Paddy Nature Environment and Pollution Technology .Vol.15(1), 233-235. |
| 7 | **A.Upendra Rao**[*], K.M.DakshinaMurthy[2]T.V. Sridhar | 2016 | Effect Of Incrimental Levels Of N P K On Production, Profits And NutrientBalance In *Rice-Rice* System Research Journal Of Agricultural And Environmental Sciences Vol 3: |
| 8 | **A Upendra Rao**KMD Murthy D AdiLakshmiTV Sridhar D Vijay | 2016 | Water management options for rabi rice on delta soils *Journal of eco-friendly agriculture*11(2):186-190 |
| 9 | **V. Visalakshmi,** K.Madhu Kumar**,** N. H Satyanarayana and **A.Upendra Rao** | 2016 | Efficacy of new insecticide molecules against major pests of rice International Journal of Farm Sciences 6(1) : |
| 10 | V.Visalakshmi, N. Hari Satyanarayana, K.Madhu Kumar, **A.Upendra Rao,** | 2016 | Management of rice stem borer, *Scirpophaga incetulas* by new insecticide molecules *AgricINTERNATIONAL.* 3(2): 69-74. |
| 11 | V.Visalakshmi, N. Hari Satyanarayana, K.Madhu Kumar, **A.Upendra Rao,** | 2016 | Incidence of gallmidge *Orseolia oryzae* (Wood-Manson) in relation with weather parameters. Progressive Research-An International Journal. Vol(11) (Special-VII): 4795-4797. |
| 12 | Hari Satyanarayana,N V.Visalakshmi ,J.Jagannadham, K.M Kumar, P.Amarajyothi, **A.Upendra Rao** and N.V.Rao | 2016 | Genetic diversity in roselle (*Hibiscus subdariffa* L. )for seed yield traits in North Coastal Zone of Andhra Pradesh. Progressive Research-An International Journal. Vol(11) (Special-VII): 4939-4942. |
| 13 | Hari Satyanarayana,N V.Visalakshmi, Bhanu Priya, Subhra Mukherjee, .K.Roy, **A.Upendra Rao** | 2016 | Genetic divergence studies in roselle (*Hibiscus subdariffa* L.) for seed yield over six environments. The Ecoscan. International Quarterly Journal of Environmental Sciences. Vol.IX, SI,2016: 291-296. |
| 14 | V.Visalakshmi, N. Hari Satyanarayana, K.Madhu Kumar, **A.Upendra Rao,** | 2016 | Incidence of paddy yellow stem borer *Scirpophaga incertulas* (Walker) in relation with weather parameters. The Ecoscan. An International Quarterly Journal of Environmental Sciences. Vol.IX, SI, 2016: 921-925. |
| 15 | Satyanarayana NH , Visalakshmi V, Bhanu Priya , Subhra Mukherjee , Roy SK , **Rao AU** | 2016 | Multivariate Analysis of Quantitative Characters for Fiber Yield in Roselle (*Hibiscus subdariffa* L.) Over Six Environments. VEGETOS: An International Journal of Plant Research. Vol29:4.,doi:10,4172/ 2229-4473, 1000174. |
| 16 | N. Hariatyanarayana1*, V. Visalakshmi, K.V. Ramana Murthy, K. Madhu Kumar, **A. Upendra Rao** and N.V.Rao | 2017 | Genetic Variability, Heritability and Genetic Advance for Seed Yield and its Components in Roselle (Hibiscus sabdariffa L.) in North Coastal Zone of Andhra Pradesh, India *Int.J.Curr.Microbiol.App.Sci6(5): 242-248* |
| 17 | K.AnushaAVRamana **A Upendra Rao** J Jagannadham | 2017 | Nutrient management in yield of semi dry rice for north coastal zone of A.P. *The Andhra Agric. J* 64 (2): 299-303, |
| 18 | N. Hari Satyanarayana*, V. Visalakshmi, K.V. Ramana Murthy, K. Madhu Kumar, J. Jagannadham, A. **Upendra Rao** and N. Venugopala Rao | 2017 | Character Association and Path Analysis for Seed Yield and its Components in Roselle (Hibiscus sabdariffa L.) in North Coastal Zone of Andhra Pradesh, India *International Journal of Current Microbiology and Applied Sciences* 6(7): 372-378 |

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|---|---|---|---|
| 19 | N. Hari Satyanarayana, V. Visalakshmi, J.Jagannadham, K. M.Kumar, P.Amarajyothi, **A. Upendra Rao,** K.V. R. Murthy | 2017 | Genetic Diversity in Roselle (Hibiscus sabdariffa L.) for Fiber Yield Traits in North Coastal Zone of Andhra Pradesh, India *International Journal of Current Microbiology and Applied Sciences* 6(9): 2335-2341 |
| 20 | N. Hari Satyanarayana*, V. Visalakshmi, K.V. R Murthy, K. M Kumar, J.agannadham, A. **U Rao** and N. VG Rao | 2017 | Genetic Variability, Correlation and Path Analysis for Fibre Yield and Its Components in Roselle (Hibiscus sabdariffa L.) in North Coastal Zone of Andhra Pradesh, India *International Journal of Current Microbiology and Applied Sciences* 6(10): 2647-2656 |
| 21 | K.Pradeep kumar **A Upendra Rao** AVRamanaJ Jagannadham | 2018 | Effect of graded levels and split application of potassium on performance of rice *The Andhra Agric. J* 65 (2): 260-266, |
| 22 | P Amara Jyothi, M Martin Luther, **A Upendra Rao,** K L N.Rao P.R.Prasad | 2018 | Evaluation of Crop Establishment Techniques and N Levels on Growth and Yield of Rice *The Andhra Agric. J* 65 (2): 290-296, |
| 23 | P Amara Jyothi, M Martin Luther, **A Upendra Rao,** K L NRao ,P Ratna Prasad | 2018 | Productivity and quality of rice as influenced by Crop Establishment Techniques and N Levels *The Andhra Agric. J* 65 (3): 551-554, |
| 24 | Deepthi CH AVRamana **A Upendra Rao**P guru murthy | 2018 | Nutrient management in rabi sesame for north coastal zone of Andhra Pradesh *The Andhra Agric. J* 65 (3): 525-528 |
| 25 | Deepthi CH AVRamana **A Upendra Rao** P Guru murthy | 2018 | Effect of soil and foliar applied fertilizers on yield attributes and yield of rabi sesame *Journal of Pharmacognasy and phytochemistry* 7(4):2824-2827 |
| 26 | K. Ramyasri*, A.V. Ramana, **A. Upendra Rao** **P.** Guru Murth | 2018 | Nutrient Uptake Vis a Vis Grain Yield of Foxtail Millet Varieties as Influenced by Nitrogen Levels in Rice Fallows *International Journal of Current Microbiology and Applied Sciences 7 (09): 2626-2629* |
| 27 | Deepthi CH , AVRamana **A Upendra Rao,**P guru murthy | 2019 | Yield and economic returns of sesame as influenced by soil applied fertilizers and foliar nutrition. *International journal of chemical studies* 7(3):4324-4327 |
| 28 | Ramyasri K,AVRamana **A Upendra Rao,**P guru murthy | 2019 | Productivity of foxtailmillet(*seteria italica L*) varieties as influenced by nitrogen levels in rice fallows ofnorth coastal A.P. *The Andhra Agric. J* 66 (1): 39-43 |
| 29 | P Amara Jyothi, M Martin Luther, A **Upendra Rao**, KL N Rao and P Ratna Prasad | 2019 | Studies on root growth, yield and NPK uptake of rice as influenced by different establishment techniques and N-levels *Journal of Pharmacognasy and phytochemistry* 8(3): 4577-4581 |
| 30 | V Naga Lakshmi, **A Upendra Rao,** A V Ramana and J Jagannadam | 2019 | Optimization of Seed Rate and Foliar Nutrition for Seed Crop of Dhaincha *The Andhra Agric. J* 66 (4): 592-596, 2019 |
| 31 | P. Amara Jyothi*, M. Martin Luther**, A. Upendra Rao** and B. Mounika | 2020 | Effect of Crop Establishment Techniques and N Levels of Rice on SystemProductivity and Economics of Rice-Greengram System *Int.J.Curr.Microbiol.App.Sci(5.38)* 9(6): 487-493 |
| 32 | M Salomi Grace, AV Ramana, **A Upendra Rao** and P Guru Murthy | 2020 | Effect of foliar nutrition on growth and yield of sweet corn The Pharma Innovation Journal 9(3): 622-625 |
| 33 | M Salomi Grace, AV Ramana, **A Upendra** S Govinda Rao | 2020 | Effect of foliar nutrition on yield and economics of sweet corn *Int.J.Curr.Microbiol.App.Sci9*(7): 1-8 |
| 34 | G Sanjana **A Upendra Rao** AV Ramana, and P Guru Murthy | 2020 | Effect of graded levels of nitrogen and foliar feeding of nutrients on performance of rice fallow finger millet [Eleusine coracana (L.)] The Pharma Innovation Journal 9(6): 406-411 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments**

.

| **Associated in Publication of Book Chapters :** | |
|---|---|
| 1 | Farm income improvement through farming systems approach by Tejeswara Rao, Md Latheef Pasha, V Sridevi, ***A Upendra Rao,***N lakshminarayana nd N Venugopala Rao 2015. Farming Systems Research : Success Stories (Series-1) Edited by, N. Ravisankar, B. Gangwar, Kamta Prasad, Raghuveer Singh and Rsjbir Singh. AICRP on Integrated Farming Systems, ICAR-Indian Institute of Farming Systems Research, Modipuram, Meerut-250 110, Uttar Pradesh, India p._1-3 |
| 2 | Kitchen garden and vegetables in farming system : New source of income for a tribal farmer maintaining vegetable outlet in weekly sandy by K Tejeswara Rao, Md Latheef Pasha, V Sridevi, ***A Upendra Rao,***N lakshminarayana, and N Venugopala Rao, 2015. Farming Systems Research : Success Stories (Series-1) Edited by, N. Ravisankar, B. Gangwar, Kamta Prasad, Raghuveer Singh and Rsjbir Singh. AICRP on Integrated Farming Systems, ICAR-Indian Institute of Farming Systems Research, Modipuram, Meerut-250 110, Uttar Pradesh, India p._4-6 |
| 3 | Azolla makes farm women self sustainable in feeding livestock by K. Tejeswara Rao, Md. Latheef Pasha, V. Sridevi, ***A. Upendra Rao ,***N Lakshminarayana, and N. Venugopala Rao, 2015. Farming Systems Research : Success Stories (Series-1) Edited by, N. Ravisankar, B. Gangwar, Kamta Prasad, Raghuveer Singh and Rsjbir Singh. AICRP on Integrated Farming Systems, ICAR-Indian Institute of Farming Systems Research, Modipuram, Meerut-250 110, Uttar Pradesh, India p._7-8 |
| 4 | On farm Research- Farmer's perception on climate approach by Md Latheef Pasha, Tejeswara Rao, V Sridevi, ***A Upendra Rao,*** N Venugopala Rao 2016. Farming Systems Research : Success Stories (Series-1) Edited by, N. Ravisankar, B. Gangwar, Kamta Prasad, Raghuveer Singh and Rsjbir Singh. AICRP on Integrated Farming Systems, ICAR-Indian Institute of Farming Systems Research, Modipuram, Meerut-250 110, Uttar Pradesh, India p.No;9-13 |

| S.No | Year | Particulars | Organized by |
|---|---|---|---|
| 1 | 2015 | 25th Asian-Pacific Weed Science Society Conference" 13th - 16th Oct.,2015 at Hyderabad. | ICAR and PJTAU |
| 2 | 2015 | International Rice Symposium 18-20 Nov,2015 at Hyderabad | IIRR, |
| 3 | 2015 | Rice review workshop 21/02/2015 at Nellore | ANGRAU |
| 4 | 2015 | Scientific Advisory Committee meeting of KVK,Amudalavalasa for the year 2015-16 on 23/02/2015 | KVK, Amudalavalasa |
| 5 | 2015 | District Level Co ordination Committee meeting of DAATTC Srikakulam for the year 2015-16 on 23/02/2015 | DAATTC Srikakulam |
| 6 | 2015 | ZREAC meeting of NC zone at Anakapalle on 16th & 17 th March,2015. | RARS, Anakapalle |
| 7 | 2015 | ZREAC meeting of HAT zone at Chinthapalli on 18th & 19th March,2015 | RARS Chinthapalli |
| 8 | 2015 | Farm mechanization workshop organized at RARS Anakapalle on 20/03/2015 | PHT,RARS, Anakapalle |
| 9 | 2015 | Kisan Mela of HAT zone organized at Chinthapalli on 8th April ,2015 | RARS Chinthapalli |
| 10 | 2015 | Kisan Mela on Farm mechanization and value addition organized at RARS Anakapalle on 14/05/2015 . | RARS, Anakapalle |
| 11 | 2015 | SLTP organized at Thirupathi presented their technical programme conducted during 2014-15 and work proposed for 2015-16. | DR, ANGRAU |

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|---|---|---|---|
| 12 | 2015 | Rice interface meeting at KVK Amadalavalasa on 30/04/2015 | KVK Amadalavalasa |
| 13 | 2015 | District level polambadi orientation training cum workshop to ADA's & MAO's working in srikakulam Dist conducted at Srikakulam on 30/07/2015 | Dept of Agriculture, Srikakulam |
| 14 | 2015 | Rythukosam chandranna programme of Srikakulam and Vizianagaram District organized at Naira on10/09/2015., and Vizianagaram Dist. At Thotapalle where Agricultural Minister attended along with other ministers and state functionaries | Dept of Agriculture, Govt. of A.P. |
| 15 | 2015 | function of "World soil health day" organized by KVK Amudalavalasa on 05/12/2015 | KVK Amadalavalasa |
| 16 | 2016 | Annual group meeting of Bilogical control 17th -18th May 2016 at Visakhapatnam | RARS Anakapalle |
| 17 | 2016 | 4th International Agronomy Congress, 22-26, Nov, 2016 at New Delhi. | ISA,ICAR |
| 18 | 2016 | workshop on double digit growth of Primary sector in Visakhapatnam Dist. on 21/9/2016 | Dist, Admn. Visakhapatnam |
| 19 | 2016 | Sadbhavana yathra conducted by IIRR, Hyderabad on 2027th & 29th January,2016 in the Srikakulam District . | DRR, Hyderabad |
| 20 | 2016 | Technology week organized by KVK Amudalavalasa on 09/02/2016 | KVK Amadalavalasa |
| 21 | 2016 | 58th farmers day celebrations and Kisan Mela organized at RARS Anakapalle on 26th – 27th February,.2016, | RARS Anakapalle |
| 22 | 2016 | Workshop on development of village level crop models for Andhra Pradesh at Hyderabad on 4th &5th March,2016 . | Govt. of A.P. |
| 23 | 2016 | Scientific Advisory Committee meeting of KVK,Amudalavalasa for the year 2016-17 on 09/03/2016 | KVK, Amudalavalasa |
| 24 | 2016 | District Level Co ordination Committee meeting of DAATTC Srikakulam for the year 2016-17 on 09/03/2016 | DAATTC Srikakulam |
| 25 | 2016 | District Level Co ordination Committee meeting of DAATTC Vizianagaram for the year 2016-17 on 10/03/2016 | DAATTC Vizianagaram |
| 26 | 2016 | Scientific Advisory Committee meeting of KVK, Rasthakuntubai for the year 2016-17 on 22/03/2016 | KVK, Rasthakuntubai |
| 27 | 2016 | Technology week organized by KVK Rasthakuntubai on 15/03/2016 | KVK, Rasthakuntubai |
| 28 | 2016 | State level Technical Programme on 10th - 13th May 2016 at RARS Thirupathi. | DR, ANGRAU |
| 29 | 2016 | 26th R&D meeting of Sugarcane 21st September, 2015 at Platinum Jubilee Guest House, Andhra University Campus, Visakhapatnam | ANGRAU |
| 30 | 2016 | Prime Minister Phasal bheema Yojana interaction meeting conducted by KVK RK Bai at Vizianagaram on 18/04/2016 | KVK, Rasthakuntubai |
| 31 | 2016 | ZREAC meeting of NC Zone organized at Vizianagaram on 12th & 13th April,2016. | RARS, Anakapalle |
| 32 | 2016 | ZREAC meeting of HAT Zone at Parvathipuram on 11/04/2016 | RARS Chinthapalli |
| 33 | 2016 | Yeruvaka pornami on 20/06/2016 conducted at Nadigama | Govt.of A.P. |
| 34 | 2016 | **Rice review workshop at APRRI & RARS, Maruteru on 15/09/16** | APRRI Maruteru |
| 35 | 2017 | National seminar on agronomic Approaches for climate resilience on2/05/2017 at Nandyal | RARS Nandyal |
| 36 | 2017 | Workshop on finalization of OFTs of NC Zone10/03/2017 at Anakapalle. | ATARI,ICAR |
| 37 | 2017 | interaction meeting of NATA-ANGRAU collabarated grain seeker project at Guntur on 07/02/17 | NATA-ANGRAU |
| 38 | 2017 | SLTP Agronomy at RARS Nandyal from 2nd -5th May2017 | DR,ANGRAU |

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|---|---|---|---|
| 39 | 2017 | Yeruvaka pornami on 09/06/2017 at ARS Ragolu | Dept of Agrl.Srikakulam |
| 40 | 2017 | Techmology week organized by KVK Amadalavalasa on 1/02/2017 | KVK Amadalavalasa |
| 41 | 2017 | HAT zone Kisan mela organized at RARS Chinthapalle on 09/02/17 | RARS Chinthapalle |
| 42 | 2017 | ZREAC meeting of NC Zone organized during 20th-21st April,2017 at Agricultural College Naira. | RARS, Anakapalle |
| 43 | 2017 | Scientific Advisory Committee meeting of KVK,Amudalavalasa for the year 2017-18 on 07/03/2017 | KVK, Amudalavalasa |
| 44 | 2017 | District Level Co ordination Committee meeting of DAATTC Vizianagaram for the year 2017-18 on 06/03/207 | DAATTC Vizianagaram |
| 45 | 2017 | District Level Co ordination Committee meeting of DAATTC Srikakulam for the year 2017-18 on 7/03/2017 | DAATTC Srikakulam |
| 46 | 2018 | Workshop on :Advanced Entrepreneurship skills for faculty of experiential learning units" 27th-th, September,2018 | IABM,S.V.Ag College, Tirupathi |
| 47 | 2019 | State level technical programme (SLTP) of Agronomy held on 10/05/2019 at APGC, Lam, Guntur | DR.ANGRAU |
| 48 | 2019 | Workshop on finalization of IFS unit for adoption and demonstration in ANGRAU held on 28/03/2019 at APGC, Lam, Guntur. | DR.ANGRAU |
| 49 | 2019 | IDP review meeting held on 1st August,2019 at Lam, Guntur. | IDP,ANGRAU |
| 50 | 2020 | National Workshop on Startup culture and Mentorship on 3rd - 4th, March,2020 at UAS, Dharwad. | NAHEP, IDP-UAS, Dharwad |
| 51 | 2020 | Webinar on "COVID 19 Preparedness for Health and Wellbeing" is being organized on 3rd June, 2020 from 4.00-5.30P.M | ANGRAU-,NAHEP. |
| 52 | 2020 | Webinar on "Conserve & Celebrate Biodiversity" organized on: Jun 5, 2020 10:00 AM -1.00 PM | IIHR, Bangalore. |
| 53 | 2020 | ANGRAU-IDP-KSU Seminar Series - "Developing Effective Leadership Skills for Change " on 18.06.20 from 8.30 am to 10.00 am. | ANGRAU& KSU.USA |
| 54 | 2020 | *National Webinar on "Recent Biotechnological Tools for Crop Improvement"* on24.06.202009:30 a.m. - 02:00 p.m. | Advanced P.G. Centre, ANGRAU, |
| 55 | 2020 | ANGRAU-IDP-KSU Seminar Series-"Communicating Science through Effective Publications" on 09.07.2020 from 8:30 am to 10:00am. | ANGRAU& KSU.USA |
| 56 | 2020 | ANGRAU-IDP- Alumni Webinar Series-" transforming agricultural education institutions for better future through alumni linkages" on 13 July 2020 at 11.00 AM -12.30Noon. | IDP, ANGRAU |
| 57 | 2020 | Webinar on "DrillBit Plagiarism Detection Software demonstration and awareness on Academic Integrity" on 20th July 2020 at 10.30 AM -12.30Noon | ANGRAU and Drillbit, Pvt.Ltd. |
| 58 | 2020 | ANGRAU-IDP-KSU Seminar Series-"Key stretagies for successful proposal development" on 23.07.2020 from 8:30 am to 10:00am. "Use of SWOT Analysis as Tool for Research | ANGRAU& KSU.USA |
| 59 | 2020 | ANGRAU-IDP-KSU Seminar Series-"Use of SWOT Analysis as Tool for Research " on 06.08.2020 from 8:30 am to 10:00am. | ANGRAU& KSU.USA |
| 60 | 2020 | ANGRAU-IDP-KSU Seminar Series-"Strategic Planning for Transformational Change" on 20.08.2020 from 8:30 am to 10:00 am. | ANGRAU& KSU.USA |

**2. Sri B. Rajendra Kumar**

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication |
|---|---|---|
| 1 | 2020 | Rajendra kumar B, P.V.N.Prasad, B.Venkateswarlu, T.Sreelatha and CH.Mukunda Rao, 2020. Review on response to crop stand establishment and nutrient management in rice based cropping system in North Coastal Andhra Pradesh. Journal of Pharmacognosy and Phytochemistry, 9(2):1480 |
| 2 | 2020 | Rajendra kumar B, P.V.N.Prasad, B.Venkateswarlu, T.Sreelatha and CH.Mukunda Rao, 2020. Performance of rice with varied crop establishment and nutrient management methods. The Andhra Agricultural Journal 67(1): 23 |
| 3 | 2015 | Rajendra kumar B, B.Bapuji Rao, V.Rajabapa Rao & Ankaih R, 2015. Response of Sesame to foliar appalication of N,P and K. The Andhra Agriculture Journal 62(2)417 |
| 4 | 2015 | Rajendra kumar B, G.Vijaya Kumar and G.Ramesh,2015.Effect and economy of growth retardants on morphological, physiological traits and yield of Groundnut (*Arachis Hypogea* L.). International Journal of multidisciplinary advanced research trends. Vol1(3):92 |
| 5 | 2020 | Rajendra kumar B, S.Govinda Rao and V.Rajendra Prasad,2020. Influence of sea weed saps on germination, growth and yield and economics of sesame in North Coastal Zone of Andhra Pradesh. International Journal of Recent Scientific ResearchVol.11, Issue(3), pp.37783-37786. |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments:**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2017 | National conference on Doubling farmers income for sustainable and harmonious agriculture | SV.University |
| 2 | 2017 | International conference on Agronomic approaches for climate resilience in agriculture | ANGRAU |
| 3 | 2019 | Developments in Organic Farming | Assam Agricultural University, Jorhat |

**3. Dr M. Srinivasa Rao**

**Information on List of Publications (Last 5 years; 2015 onwards)**

| **S.No** | **Year** | **Title of the publication (AAJ format)** | **NAAS rating** |
|---|---|---|---|
| 1 | 2020 | Srinivasarao, M., Pramanick, M., Bhanu Priya and Nagarjuna D. 2020. Study the Effect of Organic Nutrient Management on Soil Physical Properties, Economics and Energy Budgeting in Rice (Oryza sativa L.). *Int.J.Curr.Microbiol.App.Sci.,* 9(4):2203-2215 | 5.38 |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2012 | One Gold medal and two silver Medals for achieving highest overall grade point in the Dept. of Agronomy during Post graduation. | Dr. PDKV., Akola |
| 2 | 2013 | DST- INSPIRE fellowship during PhD. | Dept. Of Science & Technology., Govt. Of India |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2016 | National conference on emerging challenges and opportunities in Agriculture, social, plant, environment, co-operative & technology 2016, held at Hyderabad | ICAR-IIRR, Hyderabad |
| 2 | 2018 | One month foundation course for faculty of Universities at NAARM, Hyderabad | ICAR- NAARM, Hyderabad |
| 3 | 2020 | Fifteen days online Mooc training on Psychology of learning provided by NAARM, Hyderabad | ICAR- NAARM, Hyderabad |

**4. Dr B. Jyothi Basu**
**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2017 | **Jyothi Basu B,** Jadhav Y.R., Bhosale A.S., Pawar R.B. and Shewale M.R. 2017. Correlation, regression and path coefficient analysis between morphological characteristics and grain yield of popcorn (*Zea mays everta*) under different levels of fertilizer and plant density. *Journal of Pharmacognosy and Phytochemistry.* Special issue1:662-664 | 5.21 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2018 | Foundation course (Second batch) for the newly recruited Assistant Professors/ Scientists | ICAR- NAARM, Rajendranagar, Hyderabad |
| 2 | 2018 | Advances in Integrated Weed Management | National Institute of Plant Health Management, Rajendranagar, Hyderabad |
| 3 | 2019 | Research Project Formulation | ANGRAU, Lam farm, Guntur |

## B. Department of Genetics and Plant Breeding:

### 1. Dr A Appala Swamy

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2015 | Jyothsna.S, **A Appala Swamy** M Lal Ahamed (2015) Additive Main Effects and Multiplicative Interaction (AMMI) Studies for Fibre Yield and its Components in Roselle (*Hibiscus sabdariffa* L.) Research Journal of Agricultural Sciences. 6(3): 486-490 | **4.54** |
| 2 | 2015 | K.Venkateswara rao.A.Appala swamy,K. Madhu kumar, Ch.Mukunda rao (2015) Stability analysis of yield in sesame (*Sesamum indicum* L.) The Andhra Agricultural Journal 62(2):319-323 | **3.60** |
| 3 | 2015 | Jyothsna S., Appalaswamy A. Lal Ahamed M (2015) Stability analysis in Roselle (Hibiscus sabdarifa L.) by Eberhart-Russel model. International Journal of Food, Agriculture and Veterinary Sciences Vol. 4 (3) September-December, pp. 151-155 | **Index copernius value: 67.80** |
| 4 | 2015 | Adilakshmi D, Prasada Rao K, Charumathi M and Appalaswamy A (2015) Development of early maturing clones with high yield and juice quality in Sugarcane (*Saccharum spp*.) . Proceedings of International Academic & Research Conference India-2015 | |
| 5 | 2016 | Appala swamy A, Adhilaksmi. , M.Charumathi and K.Veerabhadra rao (2016) Stability analysis of cane and CCS yield in midlate sugarcane clones. Souvenir Centennial Fiesta National symposium, UP Council of Sugarcane Research, Shahjanpur.PP.No.23 | |
| 6 | 2016 | Adilakshmi D, Charumati M and Appalaswamy A.(2016). 2009 A 107 A promising early maturing sugarcane clone for yield and quality International conference and exhibition on Sugarcane Value chain-vision 2025 Sugar 2016 | |
| 7 | 2016 | M.Charumathi, A.AppalaSwamy and A.Adilakshmi (2016) Performance of Mid late Maturing Sugarcane Clones for Yield, Quality and Reaction to Diseases. 46$^{th}$ Annual Convention of SISSTA Journal P.No.89-93 . | |
| 8 | 2016 | M.Charumathi, A.Adilakshmi and A.AppalaSwamy(2016) Screening and Evaluation of Sugarcane Genotypes under late Planted Rainfed Conditions. Souvenir Centennial Fiesta National Symposium Organized by U.P. Council of Sugarcane Research Shahjanpur . Page No 19-20 | |
| 9 | 2016 | A.Adilakshmi,M.Charumathi,A.AppalaSwamy,A.Bebi and K.Jayachandra(2016) Invitro Mass Multiplication,Genetic Fidelityand Virus Detection in Tissue CulturePlantlets of Sugarcane. 46$^{th}$ Annual Convention of SISSTA Journal P.No.28-36. | |
| 10 | 2016 | M.Charumathi, A.Appala Swamy, D.Adilakshmi, N.Rajkumar, M.Bharathalakshmi and N.V.Naidu (2016) Promising mid late sugarcane clones suitable for Andhra Pradesh. Proceedings of 47$^{th}$ Annual Convention of SISSTA. PP: 88-93. | |

**Information on Guidance to PG / Ph.D students (Total Service)**

| S.No | ID Number | Name of the student | Thesis Title | Role (Chairman / Member) |
|---|---|---|---|---|
| 1 | NAM-2010-006 | B.Hari Ram Kumar | Genetic Divergence in Roselle (*Hibiscus sabdarifa* L.) | Chairman |
| 2 | NAM-2011-007 | K.Venkateswara Rao | Stability analysis in sesame (*Sesamum indidicum* L.) | Chairman |
| 3 | NAM-2011-006 | M. Venkata lakshmi | Genetic divergence analysis in Rice (*Oryza sativa* L.) | Member |
| 4 | NAM-2012-005 | S. Jyothsna | Stability analysis in Roselle (*Hibiscus sabdarifa* L.) | Chairman |
| 5 | NAM-2013-005 | J. Niranjan Kumar | Combining ability studies in Kenaf (*Hibiscus cannabinus* L.) | Chairman |
| 6 | NAM-2014-005 | T. Krishnaveni | Genetic divergence analysis in groundnut (*Arachis hypogea* L.) | Chairman |
| 7 | NAM-2014-006 | B. Mercy Grace | Genetic divergence in medium duration rice (*Oryza sativa* L.) genotypes for late sown conditions | Member |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | National Seminar on “Sustainable Agriculture and Food security” | Centurion University of Technology and Management, Parlakhemundi, Gajapati, Odisha |
| 2 | 2015 | 26$^{th}$ meeting of Sugarcane research Development workers of Andhra Pradesh on 21$^{st}$-22$^{nd}$ September,2015. | ANGRAU at Andhra University, Visakhapatnam |
| 3 | 2016 | Workshop on The Biological Diversity Act, Rules & access and benefit sharing(ABS) mechanism | ANGRAU at RARS,Lam, Guntur |
| 4 | 2016 | International conference 2016 Sugarcane Value chain-Vision 2025 Sugar | VSI, Pune |
| 5 | 2016 | 31$^{st}$ Bienneal workshop of AICRP on sugaracne | VSI, Pune |
| 6 | 2016 | ICAR sponsored winter school on Biotechnological and conventional tools for biotic and abiotic stresses management in Sugarcane | ICAR-SBI,Coimbatore |
| 7 | 2016 | Sri. Goli Narasimha rao memorial lecture given by Dr. Bakshi Ram, Director, ICAR-SBI, Coimbatore on Improved varieties and technologies for sustainable sugarcane cultivation in Andhra Pradesh | ANGRAU at RARS, Tirupathi |
| 8 | 2016 | 25$^{th}$ Group Meeting of AICRP on Biological Control | ANGARU at Andhra University, Visakhapatnam |
| 9 | 2016 | Quinquenial Review Team (AICRP on Sugarcane) meeting for the period from 2009-10 to 2014-15. | ANGRAU at RARS,Anakapalle |
| 10 | 2017 | Participated In Breeder’s meet(NW,NC,NE & EC zones) | ICAR-IISR, Lucknow |

**2. Dr M Srinivasa Rao**

**INFORMATION ON LIST OF PUBLICATIONS (LAST 5 YEARS; 2015 ONWARDS)**

| S.No | Year | Title of the publication | NAAS rating |
|---|---|---|---|
| 1 | 2016 | **M Srinivasa Rao,,**M Subba Rao,,Lal Ahamed M. (2016). Genetic variability studies for grain yield and its component characters in rice *(Oryza sativa L.). The Andhra Agricultural Journal* | **3.60** |
| 2 | 2016 | **M Srinivasa Rao,,**M Subba Rao,,Lal Ahamed M. (2016). Character association and path analysis of yield and yield component traits in rice (*Oryza Sativa L.*).*The Andhra Agricultural Journal* | **3.60** |
| 3 | 2016 | **M Srinivasa Rao,,**M Subba Rao,,Lal Ahamed M. (2016).Combining ability studies on yield and yield attributing characters in rice (*Oryza sativa L.*) *International Journal of Farm Sciences* | **4.01** |
| 4 | 2016 | **M Srinivasa Rao,,**M Subba Rao,,Lal Ahamed M. (2016). Genetic divergence studies on yield and yield attributing traits in rice (*Oryza sativa L.*), *Progressive Research An International Journal* | **3.84** |

**PARTICIPATION OF FACULTY IN SYMPOSIA / WORKSHOPS / TRAINING / CONSULTANCY VISITS / SPECIAL ASSIGNMENTS (LAST 5 YEARS; 2015 ONWARDS)**

| S.No | Year | Name of the staff | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2018 | Dr.M.SrinivasaRao | Foundational Course for Faculty of ANGRAU for newly recruited Asst.Professors from 02.01.2018 to 31.01.2018 | NAARM, Hyderabad |
| 2 | 2018 | Dr.M.SrinivasaRao | Advanced Entrepreneurship skills for Faculty of Experimental Learning Units from 27.09.2018 to 29.09.2018 | IABM, Tirupati |
| 3 | 2020 | Dr.M.SrinivasaRao | Online training on Contemporary Education Technologies for agricultural Education from 02.06.2020 to 06.06.2020 | NAARM, Hyderabad |

## C. Department of Soil Science & Agril Chemistry

### 1. Dr P. Gurumurthy

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Authors as given in the publication | Title of the publication | Name of the Journal/publication | Vol. No & Page Nos | NAAS |
|---|---|---|---|---|---|---|
| 1 | 2019 | RamyaSri K, Ramana AV, Upendra Rao, A and Gurumurthy P. | Productivity of foxtail millet (Aataria italic L.) varieties as influenced by nitrogen levels in rice fallow conditions of north coastal Andhrapradesh. | The Andhra Agricultural Journal | 66 (1): 39-43 | 4.14 |
| 3 | 2019 | Himabindu K., Gurumurthy P.,Prasad PRK | Studies on soils of Thotapalli major irrigation project of north coastal Andhra Pradesh: Soil Physical and Chjemical characteristics | Agropedology | Accepted 29(1) | 4.16 |
| 4 | 2019 | Himabindu K., Gurumurthy P.,Prasad PRK and Martin Luther M. | Available macronutrient status of soils in various cropping systems of Thotapalli irrigation project ayacut of North coastal Andhra Pradesh | Indian Journal of Agricultural Research | 53(4): 429-434 | 4.86 |
| 5 | 2019 | Himabindu K., Gurumurthy P.,Prasad PRK | Distribution of micronutrient cations in different physiographic and land use units of Thotapalli ayacut area of North Coastal Andhrapradesh | Journal of Research ANGRAU | 47 (1) 13- 21 | 3.60 |
| 6 | 2019 | Gurumurthy P and Venkata Rao P | Knowledge, adoption and economics of integrated nutrient management of Rice in Vizianagarm district | The Andhra Agricultural Journal | 66(3) 548-553 | 4.14 |
| 7 | 2019 | Gowthami. B, and GurumurthyP, Sujani Rao Ch | Effect of Biochar on content and uptake of macro nutrients by Rabi groundnut in red sandy loam soils of North coastal AndhraPradesh. | Journal of Research ANGRAU | 47(2) 28-35 | 3.6 |
| 8 | 2019 | Gowthami. B, and GurumurthyP, Sujani Rao Ch | Effect of Biochar on Soil physic chemical and chemical properties in relation to groundnut growth in Red sandy loam soils of NC Andhrapradesh | International journal of Chemical studies | 7(5) 4419-4424 | 4.65 |
| 9 | 2019 | Gowthami. B, and GurumurthyP, Sujani Rao Ch | Effect of Biochar on soil quality index in Red sandy loam soils under rabi groundnut crop of NC Andhrapradesh | The Farma innovation | 8(11) 171-175 | 5.03 |
| 10 | 2019 | Salomi grace, Ramana AV, Upender Rao, A and Gurumurthy. P | Effect of foliar nutrition on growth and yield of sweet corn | The Farma innovation | Accepted | 5.03 |

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|---|---|---|---|---|---|---|
| 11 | 2019 | Gowthami. B, and GurumurthyP | Effect of Biochar on Soil Physical, hydrological properties, growth, yield and quality of Rabi groundnut in red sandy loam soils of North coastal AP | Journal of Oilseed research | 36(3): 163-168 | 5.16 |
| 12 | 2019 | Gowthami. B, GurumurthyP, Sujani RaoM | Effect of Biochar on Soil biological properties and growth of groundnut in Red sandy loams of NC AndhraPradesh | The Andhra Agricultural Journal | 66(3): 475-481 | 4.14 |
| 13 | 2019 | Himabindu K. and Gurumurthy P and PRK PRasad | Soil quality index under Thotapalli irrigation project ayacut of NC AndhraPradesh | Journal of Research ANGRAU | 47 (3) 45-50 | 3.6 |
| 14 | 2018 | Sri Sai Siddartha Naik, B., Ramana murthy KV., Ramana, AV and Gurumurthy P. | Performance of Sorghum hybrids under different nitrogen levels in Rice- fallow conditions of North Coastal Andhra Pradesh. | Journal of Research ANGRAU | 46 (40-47) | 3.60 |
| 15 | 2018 | Himabindu K. and Gurumurthy P. | Land capability and irrigability classification of soils of Thotapalli irrigation project ayacut in North Coastal AndhraPradesh | An Asian journal of Soil Science | 13 (2) 120-125 | 4.34 |
| | 2018 | Himabindu K., Gurumurthy P.,Prasad PRK | Studies on soils of Thotapalli major irrigation project of north coastal Andhra Pradesh: Genesis and Classification | Agropedology | 28 (1) 14-21 | 4.16 |
| 16 | 2018 | Himabindu K. and Gurumurthy P. | Soil mineralogy in various land forms of Thotapalli irrigation project ayacut in North Coastal AndhraPradesh | An Asian journal of Soil Science | 13 (2) 87- 94 | 4.34 |
| 17 | 2018 | Deepthi, Ch., Ramana, AV., Upendra Rao, A and Gurumurthy.P | Nutrinet management in rabi sesame for north coastal zone of Andhrapradesh | The Andhra Agricultural Journal | 65 (3): 525-528 | 4.14 |
| 18 | 2018 | Deepthi, Ch., Ramana, AV., Upendra Rao, A and Gurumurthy.P | Effect of Soil and Foliar applied fertilsiers on yield attributes and yield of rabi sesame | Journal of Pharmacognosy and phytochemistry | 7(4): 2824-2827 | 5.21 |
| 19 | 2018 | Gurumurthy P. | Land capability and land irrigability classification of major soil types of Agricultural College farm, Naira | The Andhra Agricultural Journal | accepted | 4.14 |
| 20 | 2018 | Himabindu K., Gurumurthy P.,Prasad PRK and Martin Luther M. | Elemental composition and molar ratios of soils of Thotapalli irrigation project in north coastal AndhraPradesh. | Journal of Research ANGRAU | 46 (4) 17- 24 | 3.60 |

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|---|---|---|---|---|---|---|
| 21 | 2018 | Sri Sai Siddartha Naik, B., Ramana murthy KV., Ramana, AV and Gurumurthy P. | Performance of Sorghum hybrids under different nitrogen levels in Rice- fallow conditions of North Coastal Andhra Pradesh. | International journal of Current microbiology and applied sciences | 7 (3) 3655-3662 | 5.38 |
| 22 | 2018 | Gurumurthy P. | Study of morphology, characters, genesis and classification of soils of Agricultural College farm, Naira | Journal of Research ANGRAU | 46 (4) 39- 48 | 3.60 |
| 23 | 2018 | Himabindu K., Gurumurthy P.,Prasad PRK and Martin Luther M. | Soil physical and fertility characters of ayacut area under the Thotapalli irrigation project of north coastal AndhraPradesh. | The Andhra Agricultural Journal | 66 (1): 99-105, | 4.14 |
| 24 | 2018 | RamyaSri K, Ramana AV, Upendra Rao, A and Gurumurthy P. | Nutrient Uptake Vis a Vis Grain Yield of Foxtail Millet Varieties as Influenced by Nitrogen Levels in Rice Fallows | International journal of Current microbiology and applied sciences | 7(9): 2626-2629 | 5.38 |
| 25 | 2018 | Sri Sai Siddartha Naik, B., Ramana murthy KV., Ramana, AV and Gurumurthy P. | Influence of sorghum hybrids under different levels of nitrogen in rice: Fallow situation of north coastal A.P (India) | Journal of pharmacology and phytochemistry | 7(5): 2634-2637 | 5.21 |
| 26 | 2016 | P. Gurumurthy, P. Venkata Rao, A.S. Rao | Chemical management of Common Vetch (Vicia sativa L.) Weed in Rice Fallow Blackgram in Vizianagarm District of Andhra Pradesh | International journal of Advances in Agricultural Sciences and Technology | 3(4) 29-34 | 3.26 |
| 27 | 2016 | P. Gurumurthy, P. Venkata Rao, R. Ankiah | Performance of Directed Seeded Rice by using Seed cum Fertidrill in Vizianagaram District of Andhra Pradesh | International journal of Advances in Agricultural Sciences and Technology | 3(4) 22-28 | 3.26 |
| 28 | 2016 | P. Gurumurthy, P. Venkata Rao, G.S. Roy | Performance of Rice in Different Methods of Crop Establishment in Vizianagaram District of Andhra Pradesh | International journal of Advances in Agricultural Sciences and Technology | 3(3) 64-70 | 3.26 |
| 29 | 2016 | P. Gurumurthy, M. Visalakshmi, P. Venkata Rao, G.S. Roy | Adoption of Low Cost Technologies for Improving the Productivity of Sugarcane and Farmers in come in Vizianagaram District of Andhra Pradesh | International journal of Advances in Agricultural Sciences and Technology | 3(3) 56-63 | 3.26 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 30 | 2016 | G.S. Roy, P. Gurumurthy, P. Venkata Rao | Adoption Levels and Constraints in Sugarcane Production in Vizianagaram District. | International journal of Advances in Agricultural Sciences and Technology | 3(2) 34-42 | 3.26 |
| 31 | 2016 | G.S. Roy, P. Gurumurthy, K. Lakshmana | Adoption of Bt Cotton Production technologies by the Cotton farmers of the Vizianagaram District of Andhra Pradesh | International journal of Advances in Agricultural Sciences and Technology | 3(2) 43-51 | 3.26 |
| 32 | 2015 | P. Gurumurthy, P. Venkata Rao, G.S. Roy and K. Lakshmana | Influence of Soil Test based Application of Phosphorous Fertilisers on Yield and Economics of Rice in Vizianagarm District of Andhra Pradesh | International journal of Advances in Agricultural Sciences and Technology | 2(11) 16-25 | 3.26 |

**Information on Guidance to PG / Ph.D students (Total Service)**

| S.No | Name of the student | Thesis Title | Role (Chairman / Member) |
|---|---|---|---|
| 1 | K. Himabindu | Taxonomic studies on soils of Thotapalli major irrigation project of North coastal zone of Andhrapradesh | Chairman |
| 2 | B.Gowthami | Effect of Biochar on soil properties and performance of groundnut inRed sandy loam soils of North coastal Andhra Pradesh | Chairman |
| 3 | BSSS Nayak | Performance of Sorghum hybrids in rice fallows of North coastal AP | Member |
| 4 | Ch. Deepthi | Nutrient management in Rabi sesamum for NC Andhrapradesh | Member |
| 5 | K.Ramyasri | Performance of foxtail millet varieties under different nitrogen levels in rice fallow conditions of NC Andhrapradesh | Member |
| 6 | G. Sanjana | Studies on Fertiliser requirement of Rice fallow finger millet for NC Andhrapradesh | member |
| 7 | Salomi Grace | Effect of foliar nutrition on yield and economics of sweet corn | member |

**Information on Professional Certificates / Honors / Awards**

| S. No | Year | Type of Recognition/ Award | Details of the Award | National or Level | Presented by |
|---|---|---|---|---|---|
| 1 | 2002 | Jawaharlal Nehru Award for Best Agricultural Research at Post graduate level | Gold medal, citation, Certificate and cash award | National | ICAR |
| 2 | 2002 | Indian Society of Soil Science Best Doctoral presentation award | Certificate & citations | South Zone (south India) | Indian Society of Soil Science |
| 3 | 2013 | Ugadi Puraskaram by the Govt of AP | Certificate and Memento and felicitation | State level | Govt of AP |
| 4 | 2013 | Dr.IV SubbaRao Rytunestam award | Certificate and Memento and felicitation | State level | Rythunestham trust |
| 5 | 2015 | Best DAATT Centre award | Certificate | State level | ANGRAU |
| 6 | 2016 | Outstanding contribution award by Dist Collector | Certificate | District level | o/o Dist Collector |

| | | | | | |
|---|---|---|---|---|---|
| 7 | 2016 | College level outstanding service award | Certificate | College level | o/o Assoc Dean |
| 8 | 2019 | State level Best teacher award | Gold medal, citation, Certificate, Tab and cash award | State level | Govt of AP |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

**Participation in Symposia**

| S. No | year | authors | title | Name of Symposia | Organised by |
|---|---|---|---|---|---|
| 1 | 2016 | Gurumurthy P., Roy GS, R.Anakaiah and P.PunnaRao | Low cost and less drudgery Vijay wheel marker for sowing maize in Zerotillage situations under Rice fallow situation. | National conference on innovations in agricultureal mechanistion development of linkage among R&D institutes-industry- farmers 07- 08 July 2016 | Union Ministry of Agriculture and Farmer welfare |
| 2 | 2015 | P.Gurumurthy, R.Anakaiah and K.Veerabhadra Rao | Effect of tillage and planting methods on yield and nutrient uptake of Rice | International Symposium on Rice 18-20 Nov, 2015 | Indian Institute of Rice Research |
| 3 | 2015 | Gurumurthy P, Roy, GS and Punna Rao, P | Low cost Vijaya wheel marker cum hole maker for zero tillage Maize | National Work shop cum Exhibition on Popularization and Commercialization of Low cost Agricultural Technologies.2015 | NIPHM, Hyd |
| 4 | 2019 | Gurumurthy P | Strategic approaches for Developing World class Agricultural Universities | National conference on Strategic approaches for Developing World class Agricultural Universities 19.03.2019 to 20.03.2019 held at Dr.NTR College of Agril Engineering | ANGRAU |

**Participated in Training programmes/winter/summer schools**

| Year | Title of the Programme | time | Organised by |
|---|---|---|---|
| 2015 | Recent Advances in Sugarcane Production technologies | 19.02.2015 to 21.02.2015 | RARS, Anakapalli |
| 2015 | Information Communication Technologies (ICT) Baiscs | May to June,2015 | NPTEL (Ag MOOC) |
| 2016 | GIS in Ag essentials and applications | Feb to Mar2016 | NPTEL (Ag MOOC) |
| 2016 | Weather forecast in Agriculture and Agro Advisory | Feb to Mar2016 | NPTEL (Ag MOOC) |
| 2016 | Integrate Pest Management | Feb to Mar2016 | NPTEL (Ag MOOC) |
| 2016 | Nutrition, Theoretic and Health | Feb to Mar2016 | NPTEL (Ag MOOC) |
| 2016 | Reshaping Agriculture and Nutrition linkages for food and nutrition security | 17.11.2016 to 26.11.2016 | CRIDA, hyderabad |
| 2019 | Abiotic stress, Advances, impact and prospects | 06.02.2019 to 26.02.2019 | AAU, Jorhat |
| 2019 | Strategic approaches for Developing World class Agricultural Universities | 19.03.2019 to 20.03.2019 | Dr.NTR College of Agril Engineering |
| 2019 | Resource management in Rainfed Dry lands | April to May 2019 | NPTEL |

**INFORMATION ON AWARDS / RECOGNITIONS / CERTIFCATES**
**(LAST 5 YEARS; 2015 ONWARDS)**
**)**

| S. No | Year | Type of Recognition/ Award | Details of the Award | National or Level | Presented by |
|---|---|---|---|---|---|
| 1 | 2015 | Best DAATT Centre award | Certificate | State level | ANGRAU |
| 2 | 2016 | Outstanding contribution award by Dist Collector | Certificate | District level | o/o Dist Collector |
| 3 | 2016 | College level outstanding service award | Certificate | College level | o/o Assoc Dean |
| 4 | 2019 | State level Best teacher award | Gold medal, citation, Certificate, Tab and cash award | State level | Govt of AP |

**Others:**

Resource person/guest lectures in training programmes, summer/winter school etc.

| Year | Name of the programme | Duration & Period | Venue & Sponsored by |
|---|---|---|---|
| 2016 | Workshop on ZBNF video films | 22.8.2016 to 23.8.2016 | At Pavarvathi puram, VZM |
| | Natural farming training to master farmers clusters of AP | 19.08.2016 to 20.8.2016 | Srikakulam |
| | Training to NSS volunteers & farmers on Soil Health | 18.10.2016 | Kasimvalasa |
| 2017 | ANGRAU ICRISAT collaborative plantix app | 09.02.2017 | Ag CN |
| | Farmers training at Kasibbugga | 29.07.2017 | Kasibbugga |
| | Soil health management | 25.11.2017 | At KVK AMV |
| 2018 | Guest lecture on Soil biodiversity Workshop on Concepts of Bio diversity | 11.01.2018 | Visakhapatnam |
| | Rytunestam- Soil testing and importance of Soil health | 11.03.2018 | Kornepadu, Guntur |
| | Utilization of Labs for Engg students | 27.3.2018 | GMRI institute |
| | Biodiversity in Soil Workshop on Concepts of Bio diversity | 28.3.2018 | Ag C Naira |
| | Water quality lab special studies training to farmers | 01.08.2018 | Groundwater dept VSKP |

Member in National/State level administrative/Research committees such as Task Force/Expert/ Steering Committees etc. formulated by University/Government/ Research organizations, Member of Board of Management

| Year | Details of the committee | National/state level | Purpose/ Nature of duty |
|---|---|---|---|
| 2013 | Establishing Research station and KVK in Vizianagarm dist | State level | Expert committee |
| 2016 | Modration of PG entrance question banks | State level | Expet committee Question bank preparation, jumbling |
| 2016 | Verification physical facilities for private colleges an polytechniques of vety, fisharies | State level | Expert committee on Verification of physical facilities as per guidelines |
| 2017 | Modration of PG entrance question banks | State level | Expert committee for Question bank preparation, jumbling |
| 2017 | Verification physical facilities for private colleges an polytechniques | State level | Expert committee on Scrutiny and physical verification |

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|---|---|---|---|
| | Agriculture | | |
| 2018 | Central instrumentation cell | Sate level | Finalization and purchase of instruments. Glassware and chemicaals |
| 2018 | NSS university level advisory concil | Sate level | Various university level activities |
| 2018 | RKCY projects achievements and budget spent review committee | College level | Preparation of five year report and presentation at Universithy level |
| 2018 | State level Organic farming certificate course committre | State level | Expert committee to Discussion with various stake holders and finalization of syllabus |

**2. Dr D. Sudhakara Rao**
**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2017 | Best faculty member award on the occasion of Republic day | Associate Dean, Agril. College, Naira |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2017 (4 to 24th Sept. ) | Genomic, Proteomic and Metabolomic Application in Crop Improvement | Dept. Of Biotechnology, Junagadh Agricultural University, Junagadh, Gujarat. |

**INFORMATION ON LIST OF PUBLICATIONS (LAST 5 YEARS; 2015 ONWARDS)**

| S.No | Year | Title of the publication | NAAS rating |
|---|---|---|---|
| 1 | 2020 | Book on 'Soil, Plant, Water and Seed Testing' by P.Gurumurthy, B.Santosh, C.Yasmin, D.Sudhakar Rao and T.Naga Ramya Krisha ISBN No 978-93-5373-106-9 | |

**INFORMATION ON AWARDS / RECOGNITIONS / CERTIFCATES (LAST 5 YEARS; 2015 ONWARDS)**

| S.No | Year | Name of the Staff | Type of Recognition |
|---|---|---|---|
| 1 | 2016 | Dr. D. Sudhakara Rao | Got first place (College topper) among the 2013 Ph. D admitted students during my doctorate programme. |

**PARTICIPATION OF FACULTY IN SYMPOSIA / WORKSHOPS / TRAINING / CONSULTANCY VISITS / SPECIAL ASSIGNMENTS (LAST 5 YEARS; 2015 ONWARDS)**

| S.No | Year | Name of the staff | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2019 | Dr. D. Sudhakara Rao | Given training to input dealers on biofertilizers On 17.03. 2019 at AMC premises, Kotabommali | State Department of Agriculture |
| 2 | 2018 | Dr. D. Sudhakara Rao | Workshop on ' Reformulating Agribusiness Strategies of Experiential Learning (EL) Units towards attaining viability and self-sustainability' | Associate Dean, S. V. Agricultural College, Tirupathi. |

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|---|---|---|---|---|
| | | | Held at S.V. Agricultural College, Tirupati from 27.09.2018 to 29.09.2018 | |
| 3. | 2018 | Dr. D. Sudhakara Rao | Workshop on 'Concepts of biodiversity, biological diversity act, access and benefit sharing mechanism' conducted at Agricultural College, Naira on 28.03.2018. | A.P. State Biodiversity board, Guntur. |
| 4 | 2018 | Dr. D. Sudhakara Rao | Special assignment meet on Student READY programme at APGC, Lam Guntur on 18.01.2018 | ANGRAU |

**3. Sri K.C. Nattraj.**
**Information on List of Publications (Last 5 years; 2015 onwards)**
**Research Papers:**

| S. No | Year | Authors as per the citation | Title of the Publication | Name of Journal | Vol. & Page No. | NAAS rating* |
|---|---|---|---|---|---|---|
| 1 | 2016 | **K.C. Nataraj,** M.Vijay Sankar Babu, G. Narayana swamy, K. Bhargavi, B. Sahadeva Reddy and Ch. Srinivasa Rao | Nutrient Management Strategies in Groundnut-Based Crop Production Systems in Dry land Regions of Southern Andhra Pradesh | Indian Journal of Fertilizers | Vol.12 (10) : 58 -75 | 3.78 |
| 2 | 2016 | **K.C. Nataraj,** M. Vijay Sankar Babu, S.N. Malleswari Sadhineni, G. Narayana swamy and B.RavindranathReddy | Geo-referenced Soil Fertility Status of Secondary Nutrients in rainfed soils of Anantapur District, Andhra Pradesh | Progressive Research – An international journal | Vol. 11 Special (IX):6174– 6178 | 3.16 |
| 3 | 2016 | Malleswari Sadhineni, **K.C.Nataraj,** N.Sunita, G. Narayana Swamy and M.VijayasankaraBabu | Yield and Quality of oriental tobacco as influenced by preceding groundnut crop and integrated nutrient management | Progressive Research – An international journal | Vol. 11 Special (IX): 6165 - 6167 | 3.16 |
| 4 | 2016 | M.Vijay sankar Babu, **K.C. Nataraj,** S.N. Malleswari Sadhineni, G. Narayanaswamy, and B. Ravindranatha Reddy | Effect of crop residue mulching and in-situ rain water harvesting through micro catchments on yield of rainfed groundnut | *Progressive Research – An international journal* | Vol. 11 Special (IX): 6185 – 6188 | 3.16 |
| 5 | 2016 | A.B. Srinath Reddy, H.N. Savitha, **K.C. Nataraj** and Y.N.Hawaldar | Evaluation of suitable statistical models to analyze the trend in area, production and | *Progressive Research – An international journal* | *Vol.* 11 Special (IX): 6129 - | 3.16 |

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|---|---|---|---|---|---|---|
| | | | productivity of areca nut (*Areca catechu*) grown in Karnataka, India | | 6131 | |
| 6 | 2016 | M. VijaysankaraBabu, **K. C. Nataraja,** A. Srihari and B. Sahadeva Reddy | Impact of long term integrated nutrient management on groundnut yield, soil properties and organic carbon stocks in scarce rainfall zone of Andhra Pradesh, India | Indian journal of Ecology | Vol.43 special Issue-1 | 4.47 |
| 7 | 2017 | Malleswari Sadhineni, G. Narayana swamy, AB Srinath Reddy, **K.C Nataraj** and B. Sahadeva Reddy | Micro level Climatic classification of Kurnool district in scarce rainfall zone of Andhra Pradesh | *Progress Research An international journal* | *Vol.* 12 (3): 357-360 | 3.16 |
| 8 | 2017 | Malleswari Sadhineni, G. Narayana swamy, AB Srinath Reddy, **K.C Nataraj,** B. Sahadeva Reddy and B.Ravindra nath Reddy | Micro level climatic classification of Ananthapuramu district of Andhra Pradesh | Journal of Research ANGRAU | Vol. 45(2) : 31-37 | 3.60 |
| 9 | 2019 | Ajay B.C, Singh, A.L, Bera, S.K, Narendra Kumar, Dagla, M.C and **K.C. Nataraj** | Comparison of response of groundnut genotypes at different phosphorus levels. | The Journal of Research ANGRAU | Vol. 47 (1) : 1 -11 | 3.60 |
| 10 | 2019 | Ch. Srinivasa Rao, Sumanata Kundu, C. Subha Lakshmi, Y. Sudha Rani, **K. C. Nataraj**, B. Gangaiah, M. Jayalakshmi, M. Vijayasakara babu, Usha Rani, S. Nagalakshmi and R. Manasa. | Soil Health Issues for Sustainability of South Asian Agriculture | ECRONICON - Open Access (EC Agriculture) | 5.6: 310-326 | |
| 11 | 2019 | Narayanaswamy, G., Nagavani, A.V., Reddi Ramu, Y., **Nataraj, K.C** and Malleswari Sadhineni. | Effect of Integrated Nutrient Management on Nitrogen, Phosphorus & Potassium uptake and productivity of groundnut (*Arachis Hypogaea* L.*)* under rainfed and protective irrigated condition. | International Journal of Chemical Studies | Vol. 7(3) Pp:4270-4274 | 5.31 |

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|---|---|---|---|---|---|---|
| 12 | 2019 | Narayanaswamy, G., Nagavani, AV., Malleswari Sadhineni, **Nataraj, K.C** and Reddi Ramu, Y. | Effect of integrated nutrient management practices on soil physical properties and productivity of groundnut (*Arachis hypogaea* L.) under rain fed and protective irrigated condition | International Journal of Chemical Studies | Vol. 7(3) Pp: 4610-4615 | 5.31 |
| 13 | 2019 | B.C. Ajay, A.L. Singh, S.K. Bera, Narendra Kumar, M.C. Dagla, and **K.C. Nataraj** | Response of groundnut genotypes to high and low phosphorus levels | The Journal of Research ANGRAU | Vol. 47 (2) Pp: 10 -16 | 3.60 |
| 14 | 2019 | Narayanaswamy, G., Nagavani, A.V., **Nataraj, K.C.,** Reddi Ramu, Y. and Malleswari, S.N. | Effect of various nutrient sources on yield, yield attributes and economics of groundnut (*Arachis hypogaea* L.) under rainfed and protective irrigated conditions. | The Journal of Research ANGRAU. | Vol. 47(2) pp: 17-27 | 3.60 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years):**

| Year | Name of the programme | Period | Venue | Organizing Institution |
|---|---|---|---|---|
| 2015 | 2nd Foundation course for Faculty of Agricultural Universities | 1-30 May 2015 (30 days) | ICAR- NAARM Hyderabad | ICAR- NAARM Hyderabad |
| 2015 | Winter school on " Advance Soil Biological Approaches for Enhancing Carbon Sequestration and Mitigate Climate Change | 2-22 Sept. 2015 (21 days) | ICAR-IISS Bhopal | ICAR-IISS Bhopal |
| 2016 | Soil and Land Resources Data Base for Integrated Watershed Management | 02-04 March 2016 (3 days) | S&LUS of India Hyderabad | Soil and Land Use Survey of India |
| 2016 | Zero budget Natural Farming | 11-14 Sept. 2016 (4 days) | Prakruthi Vyavasaya Pranganam Tirupati | Dept. of Agriculture, GoAP |
| 2018 | Hands on training program on Geographical Information System using QGIS | 22-27 Oct. 2018 (6 days) | RARS, Lam, Guntur | ANGRAU & IRRI |
| 2019 | Hands on Training programme on measurement of soil physical properties | 20-21 June 2019 (2 days) | RARS, Tirupati | ANGRAU RARS, Tirupati |

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|---|---|---|---|---|
| 2019 | Hands on Training programme on Synthesis and Characteristics of Nanoscale Materials | 21-22 Oct. 2019 (2 days) | RARS, Tirupati | ANGRAU RARS, Tirupati |
| 2019 | ICAR Short Course on "Recent Advances in soil carbon sequestration and stabilization for soil health improvement and climate change mitigation" | $10^{th}$ - $19^{th}$ December. 2019 | ICAR-IISS, Bhopal | ICAR-IISS, Bhopal |

**Seminars/conferences/symposia/workshop participated: 7**

| Year | Name of the programme | Period | Organized by & Venue | International/National/ Local |
|---|---|---|---|---|
| 2015 | State level workshop on Organic Farming and Millet Improvement | 08.11.2015 | Anantha puramu | Local |
| 2016 | Workshop on Soil Heath Management | 10.06.2016 | ANGRAU, Guntur | Local |
| 2016 | Soil Heath Management aspects and Farming systems based crop planning to reduce the yield gaps in major crops | 11.08.2016 | ANGRAU, Guntur | Local |
| 2017 | Meeting on Establishment of Geospatial Technology Center in ANGRAU | 24.03.2017 | ANGRAU, Guntur | Local |
| 2017 | National Seminar on Agronomic Approaches for Climate Resilience in Agriculture | 02.05.2017 | ANGRAU, RARS, Nandyal | National |
| 2017 | National Conference on Emerging Trends in Agrinanotechnology 2017 (AgriNANO-2017) | 2-3 Nov. 2017 | ANGRAU RARS, Tirupati | National |
| 2018 | National Seminar on Futuristic Agriculture for Sustainable Food Security | 21-23 Feb. 2018 | ANGRAU SV.Ag.College Tirupati | National |

**No. of Ad-hoc project handled/handling:**

| Year | Details of the Project | Consultancy provided to | Amount (Rs. in lakhs) | Completed/ ongoing |
|---|---|---|---|---|
| 2016-17 | Generation of Soil Health cards for Horticultural crops in Anathapuramu | Dept. of Horticulture Govt. of AP | 4.2 for ARS, Anantapur | Completed |

**Information on Professional Certificates / Honors / Awards:**

| Year | Name of the Award* | Details of the Award | Level (I/N/S or U/O) |
|---|---|---|---|
| 2016 | Young Scientist Award | In National Conference on Innovative and Current Advances in Agriculture & Allied Sciences organized during 10-11 Dec.2016 at PJTSAU, Hyderabad | National |
| 2017 | First Prize for Poster | In National Seminar on Agronomic Approaches for Climate Resilience in Agriculture organized on 02.05.2017 at RARS, Nandyal | National |
| 2020 | ICAR-NAARM MOOC Certificate | Massive Open Online Course Certificate on "Psychology of Learning" held on 1-15 May 2020 and awarded the Course Completion Certificate | National |
| 2020 | Participation certificate In Institutional Development Plan | Participation certificate In Institutional Development Plan Of UAS, Dharwad –NAHEP – ICAR held on 28th July 2020 on the topic-" Impact of e - Waste on Environment" | National |

## D. Department of Entomology:

**1. Dr S. Dhurua.**
**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| **1** | **2018** | K. Swathi, **Dr. P.Seetharamu**, Dr. S. Dhurua and Dr. M.Suresh, Influence of weather parameters on the incidence of natural enemies in rice fallow blackgram ecosystem, **Journal *of Entomology and Zoology Studies* 6(5): 452-456** | **5.53** |
| **2** | **2018** | K. Swathi, **Dr. P.Seetharamu**, Dr. S. Dhurua and Dr. M.Suresh, Efficacy of certain newer insecticides against sucking insect pests on rice fallow blackgram, **Indian Journal of Agril. Research, 52(6) 2018: 700-703** | **4.86** |
| **3** | **2018** | K. Swathi, **Dr. P.Seetharamu**, Dr. S. Dhurua and Dr. M.Suresh, Seasonal incidence of spotted pod borer *Maruca vitrata (*Geyer) on rice fallow blackgram in north coastal Andhra Pradesh, **Andhra Pradesh J. Agril. Sciences, 5(1) :1-7, 2019** | |
| **4** | **2018** | G Harika, S Dhurua, N Sreesandhya and M Suresh, Seasonal incidence of Diamond back moth(DBM) *Plutella xylostella* on Cauliflower in North Coastal Zone of Andhra Pradesh, Andhra Pradesh Journal of Agricultural Sciences, 4 (3): 212-217 | |
| **5.** | **2019** | G Harika, S Dhurua, **N Sreesandhya**, M Suresh and S Govinda Rao**,** Influence of weather parameters on the incidence of natural enemies in the cauliflower ecosystem, *International Journal of Chemical Studies*, 7(**1**): 29-32. | **5.31** |
| **6** | **2019** | K. Swathi, **Dr. P.Seetharamu**, Dr. S. Dhurua and Dr. | **5.40** |

| | | | |
|---|---|---|---|
| | | M.Suresh, Field evaluation of newer insecticides against spotted pod borer [*Maruca vitrata* (Geyer)] on rice fallow blackgram in North coastal Andhra Pradesh, **International Research Journal of Pure and Applied Chemistry, 18(2) : 1-9;** | |
| **7** | **2019** | G Harika, S Dhurua, **N Sreesandhya**, M Suresh and S Govinda Rao Biology of Diamond back Moth, *Plutella xylostella* (Lepidoptera: Plutellidae) of Cauliflower under Laboratory Condition *International Journal of Current Microbiology and Applied Sciences*, 8**(1)**:866-873. | **5.38** |
| **8** | **2019** | L. Sangeetha, **P Seetharamu**, S Dhurua and M Suresh, Two new records of subgenus Empoasca (Distantasca) dworakowska: Hemiptera:Cicadellidae, Typhlocybinae, Empoascini from India, **I*nternational Journal of Current Microbiology and Applied Sciences,* Vol.8, No.11 (2019): 2206-2212** | **5.38** |
| **9** | **2019** | Gudivada Harika, S. Dhurua, M. Suresh and N. Sreesandhya ,Evaluation of Certain Insecticides against Diamondback Moth (DBM) *Plutella xylostella* on Cauliflower, International Journal of Bio-resource and Stress Management, 10(1):070-076 | **4.65** |
| **10** | **2020** | P.Seetharamu, K.Swathi, S.Dhurua, M.Suresh, S.Govinda rao and **N.Sreesandhya** Bio efficacy of chemical insecticides against major sucking insect pests on grain legumes in India- A Review, Legume Research-An International Journal 43(1): 1-7. | **6.34** |
| **11** | **2020** | L. Sangeetha, **P Seetharamu**, S Dhurua and M Suresh, New records of Typlocybiane leafhoppers (Hemiptera : Cicadellidae: Empoascini) Associated with redgram ecosystem in north coastal districts of Andhra Pradesh, India, ***Journal of Entomology and Zoology Studie,* 8(1): 1365-1369** | **5.53** |

**Information on Guidance to PG / Ph.D students (Total Service)**

| S.No | ID Number | Name of the student | Thesis Title | Role (Chairman / Member) |
|---|---|---|---|---|
| 1. | NAM/2016-003 | G. Harika | Biology and Insecticidal Management of Diamondback moth (DBM) (*Plutella xyllostella* L.) on Cauliflower. | Chairman |
| 2 | NAM/2016-004 | K Swathi | Study on seasonal incidence and insecticidal management of major insect pests of rice fallow blackgram (*Vigna mungo* L.) in North Coastal Andhra Pradesh | Member |
| 3 | NAM/2017-004 | A G Harischandra Prasad | Incidence of South American leaf miner, *Tuta absoluta* (Meyrick), in North Coastal Districts and its management | Member |
| 4 | NAM/2017-005 | L Sangeetha | Taxonomic studies on certain genera of Typhlocybinae (Cicadellidae: Hemiptera) leafhopper fauna in North Coastal districts of Andhra Pradesh | Member |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2017 | One day training on "Faculty development programme" | ANGRAU |
| 2 | 2019 | Sensitization workshop on Academic Management System | ANGRAU |

**2. Dr P. Seetharamu**

a. Papers published in referred NAAS rated Journals (2015-2020)

| S. No. | Year | Authors as per the citation | Title of the Publication | Name of Journal | Volume and Page No. | Position of authorship | NAAS rating* |
|---|---|---|---|---|---|---|---|
| 1. | 2018 | **Dr. P Seetha Ramu ,** K Swathi, S Govinda Rao | A Review on Seasonal incidence and insecticidal management of spotted pod borer [*Maruca vitrata* (Geyer)] with special reference to Urdbean (*Vigna mungo* L.) in India. | **Journal *of Entomology and Zoology Studies* 2018** | **6(4): 926-931.** | First Author | 5.53 |
| 2. | 2018 | K. Swathi, **Dr. P.Seetharamu**, Dr. S. Dhurua and Dr. M.Suresh | Efficacy of certain newer insecticides against sucking insect pests on rice fallow blackgram | **Indian Journal of Agril. Research** | **52(6) 2018: 700-703.** | Second author | 4.86 |
| 3. | 2018 | K. Swathi, **Dr. P.Seetharamu**, Dr. S. Dhurua and Dr. M.Suresh | Influence of weather parameters on the incidence of natural enemies in rice fallow blackgram ecosystem | **Journal *of Entomology and Zoology Studies*** | **2018 ; 6(5): 452-456.** | Second Author | 5.53 |
| 4. | 2018 | Y.Rajasekhar, G.S.Pandurang a, Swathi B, N.H.S.Narayana , **Dr.P.Seethara mu,** J. Jagannadham and P.Amarajyothi | Impact of sowing time and Fertiliser dose on the incidence of mealybug (*Maconellicoccus hirsutus* Green) in Mesta | **Bulletin of Environment , Pharmacolo gy and Life Sciences** | **2018 (7spl 1) :58-61.** | Fifth Author | 4.95 |
| 5. | 2018-19 | K. Swathi, **Dr. P.Seetharamu**, Dr. S. Dhurua and Dr. | Seasonal incidence of spotted pod borer *Maruca vitrata (*Geyer) on rice fallow | **Andhra Pradesh J. Agril. Sciences** | **5(1) :1-7, 2019 Accepte d on** | Second Author | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | M.Suresh | blackgram in north coastal Andhra Pradesh | | **19-10-2018** | | |
| 6. | 2019 | K. Swathi, **Dr. P.Seetharamu**, Dr. S. Dhurua and Dr. M.Suresh | Field evaluation of newer insecticides against spotted pod borer [*Maruca vitrata* (Geyer)] on rice fallow blackgram in North coastal Andhra Pradesh | **International Research Journal of Pure and Applied Chemistry** | **18(2) : 1-9; 2019.** | Second Author | 5.40 |
| 7. | 2019 | L. Sangeetha, **P Seetharamu**, S Dhurua and M Suresh | Two new records of subgenus Empoasca (Distantasca) dworakowska: Hemiptera:Cicadellidae, Typhlocybinae, Empoascini from India | ***International Journal of Current Microbiology and Applied Sciences*,** | **Vol.8, No.11 (2019): 2206-2212** | Second Author | 5.38 |
| 8. | 2020 | L. Sangeetha, **P Seetharamu**, S Dhurua and M Suresh | New records of Typlocybiane leafhoppers (Hemiptera : Cicadellidae: Empoascini) Associated with redgram ecosystem in north coastal districts of Andhra Pradesh, India | ***Journal of Entomology and Zoology Studies*** | **8(1): 1365-1369.** | Second Author | 5.53 |
| 9. | 2020 | **P.Seetharamu**, K.Swathi, S.Dhurua, M.Suresh, S.Govinda rao and N.Sreesandhya | Bio efficacy of chemical insecticides against major sucking insect pests on grain legumes in India- A Review | *Legume Research- An International Journal* | **(2020) 43(1): 1-7.** | First Author | 6.34 |

Professional Achievements/award:

| S.No | Particulars |
|---|---|
| 01 | **Kavuri Sarada memorial award for best research paper** published in the year in 2010, In Indain Journal Of Plant Protection. Issued by Plant Protection Association of India, Rajendranagar, Hyderabad. |
| 02 | **Rythubhandhu Award-2014** for significant contributions under Teaching and Research Category Issued by Nest Foundation, Rythubhandhu Monthly Agricultural magazine, Hyderabad. |
| 03 | University level Best DAATTC Award received on 20-1-2016 in REAC meeting at RARS, Tirupathi. |
| 04 | College Level Best Teacher Appreciation certificate from Associate Dean, Ag. College, Naira on the Occasion of Independence day celebrations on 15-8-2017. |

| | |
|---|---|
| 05. | Received the of **Fellow of Plant Protection Association of India on** 20-4-2018 at at NIPHM, Rajendranagar, Hyderabad, Telangana, India. |

**Orientation courses / Refresher courses / Research methodology / Training/ Teaching-Learning- Evaluation Technology /Soft skills programs /Faculty development programmes etc.**

a) Attended

| Year | Name of the programme | Period | Venue | Organizing Institution |
|---|---|---|---|---|
| 2015-16 | "Biological diversity Act rules and accesses and benefit sharing mechanism | 23-4-2016 | RARS, Lam, Guntur | A.P. Biodiversity board |
| 2016-17 | **10 day short training course on** " Advances of eco friendly pest management strategies in millets" | 22-8-2016 to 30-8-2016 | Indian Institute of Millets Research (IIMR), Rajendranagar, Hyderabad | ICAR, Indian Institute of Millets Research (IIMR), Rajendranagar, Hyderabad. |
| | Subhash Palekar Zero Budget Natural Framing | 11-9-2016 to 14-9-2016 | Dr. Ramanaidu Kalyanamandapam, Tirupathi | Department of Agriculture, Govt. of Andhra Pradesh |
| | **One month Distance mode course** on "Teaching Excellence" | 3-10-16 to 2-11-2016 | Ag. College , Naira | ICAR, NAARM, Hyderabad |
| | Genetics and Genome analysis for novel therapautics | 19-12-2016 to 21-12-2016 | Govt. Degree college, Srikakulam | Dept. of Bio technology,Govt. Degree college, Srikakulam |
| 2017-18 | Capacity building in molecular diagnostics | 22-1-2018 to 24-1-2018 | Govt. Degree college, Srikakulam | Dept. of Bio technology, Govt. Degree college, Srikakulam |

**ONLINE TRAINING PROGRAMMES ATTENDED DURING COVID-19 PANDEMIC (2019-20):**

| Date | Name of the programme |
|---|---|
| 30-5-2020 | Webinar workshop on "Desert locust management : current status and future strategies " organized by ICAR and Division of Entomology, IARI. |
| 3-6-2020 | Webinar on COVID-19 preparedness for health and wellbeing organized by IDP-ANGRAU,Lam, Guntur. |
| 4-6-2020 to 6-6-2020 | 3 days International webinar on COVID-19 pandemic Prevention and management organized by Govt. Holkar Science College, Indore, M.P |
| 25-6-2020 | National webinar on awareness and use of CeRA resources through J-gate discovery platform organized by CCSHAU,Hisar and DKHA-ICAR New Delhi. |

| | |
|---|---|
| 26-6-2020 & 27-6-2020 | 2 days International webinar on Trends in sustainability : Regenerative Agriculture organized by Dept. of Botany ,MP P.G. College, Gorakhpur, U.P |
| 29-6-2020 to 3-7-2020 | 5 days Training on "Entrepreneurship development in Pest management for youth" Organised by NAHEP-CAU, Imphal. |
| 14-4-2020 to 30-6-2020 | 8 Weeks online ag moocs course on Integrated Pest Management Ag MOOCS by Dept. of Ento,UAS,Raichur |
| 1-7-2020 to 30-7-2020 | One month MOOCs training on Digital E- learning Content organised by ICAR,NAARM,Rajendranadgar, Hyderabad,Telangana |
| 9-7-2020 | Communicating Science through effective publication organized by Kansas State Agri. University, USA & ANGRAU. |
| 15-7-2020 | Food safety management system and traceability, science and art of Pesticide residue analysis & Assessing environment input, safety risks and public concerns of genetically modified tools organised by Navsari Agricultural University, Navsari |
| 16-7-2020 | Bio sensing techniques for food safety and quality assessment present and future and food quality a concern during pandemic. organised by Navsari Agricultural University, Navsari |
| 17-7-2020 to 19-7-2020 | National conference on Agricultural resource management for atma nirbhar bharat , CAU, Imphal,Maipur |
| 23-7-2020 | Key strategies for successful proposal development organized by Kansas State Agri. University, USA & ANGRAU |
| 27 & 28-7-2020 | Farmer producer organizational and commodity markets. NAHEP,AAU, Centre for Agril. Market Intelligence, AAU,Anand,Gujarath. |
| 28-7-2020 to 1-8-2020 | Transforming Agril. Education institutes for better future through alumni linkages. IDP,ANGRAU |
| 5-8-2020 & 6-8-2020 | International web conference on Ensuring food safety security and sustainability through crop protection, BAU,Sabour,Bihar |
| 7-8-2020 | National webinar on biotech interventions for improvement of pulse crops , BAU,Sabour,Bihar |
| 13-8-2020 | Entrepreneurial opportunities in food processing sector, SVKMS,NMIMS University, Maharatra |
| 23-8-2020 | Orientation to qualitative Research ,Dept.of sociology, GEMS arts and science College, Malappuram,Kerala |

**Research guidance**

| Year | Name & I. D. No. of the student | Degree | Title of the Thesis | Chairperson/ member | Degree awarded/ thesis submitted |
|---|---|---|---|---|---|
| 2016-17 | K.Swathi, NAM-2016-004 | M.Sc. (Ag.) | Study on seasonal incidence and insecticidal | Chairman | Degree awarded |

| | | | | | |
|---|---|---|---|---|---|
| | | Entomology | management of major insect pests of rice fallow blackgram (*Vigna mungo* L.) in North Coastal Andhra Pradesh | | |
| 2017-18 | L.Sangeetha, NAM-2017-005 | M.Sc. (Ag.) Entomology | Taxonomic studies on certain genera of Typhlocybinae (Cicadellidae: Hemiptera) leafhopper fauna in North Coastal districts of Andhra Pradesh | Chairman | Degree awarded |

**3. Sri D. Anil Kumar**
**Information on Guidance to PG / Ph.D students (Total Service)**

| S.No | ID Number | Name of the student | Thesis Title | Role (Chairman / Member) |
|---|---|---|---|---|
| 01. | NAM-2017-004 | A. Gouri Harishchandra Prasad | Incidence of South American leaf miner, *Tuta absoluta* (Meyrick), in North Coastal Districts and its management | Chairman |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2017 | Appreciation Certificate | District Magistrate and Collector, Srikakulam |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2017 | AP Agritech Summit- 2017, Visakhapatnam, 15 to 17 November | A.P Govt. In association with Bill and Melinda Gates Foundation |
| 2 | 2018 | National Workshop on " Capacity Building in Molecular Diagnostics" 22$^{nd}$ – 24$^{th}$ January | Department of Biotechnology, Government Degree College (Men), Srikakulam |

**4. Smt N. Sreesandhya**

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| **1** | **2018** | G Harika, S Dhurua, N Sreesandhya and M Suresh,Seasonal Incidence of Diamondback Moth (DBM) *Plutella xylostella* on Cauliflower in North Coastal Zone of Andhra Pradesh, *Andhra Pradesh J. Agril. Sci*: 4(3): 212-217, | **--** |
| **2** | **2019** | G Harika, S Dhurua, **N Sreesandhya**, M Suresh and S Govinda Rao**,** Influence of weather parameters on the incidence of natural enemies in the cauliflower ecosystem, *International Journal of* | **5.31** |

| | | | |
|---|---|---|---|
| | | *Chemical Studies*, 7(**1**): 29-32. | |
| **3** | **2019** | Gudivada Harika , S. Dhurua, M. Suresh and N. Sreesandhya, Evaluation of Certain Insecticides against Diamondback Moth (DBM) *Plutella xylostella* on Cauliflower, *International Journal of Bio-resource and Stress Management*, 10(1):070-076 | **4.65** |
| **4** | **2019** | G Harika, S Dhurua, **N Sreesandhya**, M Suresh and S Govinda Rao Biology of Diamond back Moth, *Plutella xylostella* (Lepidoptera: Plutellidae) of Cauliflower under Laboratory Condition *International Journal of Current Microbiology and Applied Sciences*, 8**(1**):866-873. | **5.38** |
| **5** | **2020** | P.Seetharamu, K.Swathi, S.Dhurua, M.Suresh, S.Govinda rao and **N.Sreesandhya** Bio efficacy of chemical insecticides against major sucking insect pests on grain legumes in India- A Review, Legume Research- An International Journal 43(1): 1-7. | **6.34** |

**Information on Guidance to PG / Ph.D students (Total Service)**

| S.No | ID Number | Name of the student | Thesis Title | Role (Chairman / Member) |
|---|---|---|---|---|
| 1. | NAM/2016-003 | G. Harika | Biology and Insecticidal Management of Diamondback moth (DBM) (*Plutella xyllostella* L.) on Cauliflower. | Member |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2017 | One day training on "Faculty development programme" | ANGRAU |
| 2 | 2017 | AP Agritech Summit- 2017, Visakhapatnam, 15 to 17 November | A.P Govt. In association with Bill and Melinda Gates Foundation |
| 3 | 2018 | National Workshop on " Capacity Building in Molecular Diagnostics" 22$^{nd}$ – 24$^{th}$ January | Department of Biotechnology, Government Degree College (Men), Srikakulam |
| 4 | 2020 | Online Training workshop on "Contemporary Educational Technologies for Agricultural Education" 8-12 June,2020 | ICAR- NAARM, Hyderabad |
| 5 | 2020 | Five days Workshop on HANDS ON SPSS, June 16-20, 2020 | Prestige Institute of Management and Research, Indore |
| 6. | 2020 | Eight- week online course on "Integrated Pest Management" | agMOOCS |

## E. Department of Plant Pathology:

**1. Dr M. Suresh**
**INFORMATION ON LIST OF PUBLICATIONS (LAST 5 YEARS; 2015 ONWARDS)**

| S.No | Year | Title of the publication | NAAS rating |
|---|---|---|---|
| **1** | 2020 | L Sangeetha, P Seetharamu, S Dhurua and **M Suresh** 2020 New records of Typlocybinae leafhoppers (Hemiptera: Cicadellidae: Empoascini) Associated with Red gram ecosystem from north coastal districts of Andhra Pradesh, India. *Journal of Entomology and Zoology Studies*. 8(1): 1365-1369 | 5.53 |
| **2** | 2019 | G. Harika, S. Dhurua, N. Sreesandhya, **M. Suresh** and S. Govinda Rao 2019 Biology of Diamondback Moth, *Plutellae xylostella* (Lepidoptera: Plutellidae) of Cauliflower under Laboratory Condition. *Int.J.Curr. Microbiol. App.Sci* . *8*(1): 866-873 | 5.38 |
| **3** | 2019 | G Harika, S Dhurua, N Sreesandhya, **M Suresh** and S Govinda Rao 2019 Influence of weather parameters on the incidence of natural enemies in the cauliflower ecosystem. *International Journal of Chemical Studies.* 7(1): 29-32 | 5.31 |
| **4** | 2019 | Sangeetha Lochala, P. Seetharamu, S. Dhurua and **M. Suresh** 2019 Two New Records of Subgenus *Empoasca (Distantasca)* Dworakowska (*Hemiptera: Cicadellidae: Typhlocybinae: Empoascini*) from India. *Int.J.Curr.Microbiol.App.Sci 8*(11): 2206-2212 | 5.38 |
| **5** | 2018 | Kishore varma, Chandrasekhar and **M Suresh** 2018 Potentiality of native Pseudomonas spp. in promoting sugarcane seedling growth and red rot management. *Intl. J. Curr. Microbiol. App. Sci.* 7(2): 2855-2863 | 5.38 |
| **6** | 2017 | • Kishore varma, Chandrasekhar and **M Suresh 2017** Evaluation of Endophytic Bacteria for Plant Growth Promotion and Pathogen Suppression Traits in *Saccharum officinarum. Journal of Agricultural Science and Technology* .A 7(8) DOI: 10.17265/2161-6256/2017.08.003 | 6.83 |
| **7** | 2017 | **Suresh Madugula** and Uma Devi Gali 2017 Virus indexing for SCYLV in field varieties and in vitro regenerated sugarcane plantlets. *Australasian Plant Pathology*. | 7.11 |
| **8** | 2017 | Padmavathi, P., Murthy IYLN and **Suresh M 2017** Productivity, economics and soil fertility of soybean-safflower cropping system in response to nutrient management practices. *Legume Research.* 39(4): 572-577 | 6.34 |
| **9** | 2017 | **Suresh M,** R.D.Prasad, P.Padmavathi and A. Vishnuvardhan Reddy 2017 Biological and Chemical management of diseases of safflower (*Carthamus tinctorious* L.). *Journal of Oil seeds Research*. 33(2): 153-155. | 5.02 |

**INFORMATION ON AWARDS / RECOGNITIONS / CERTIFCATES**
**(LAST 5 YEARS; 2015 ONWARDS)**

| S.No | Year | Name of the Staff | Type of Recognition |
|---|---|---|---|

| | | | |
|---|---|---|---|
| 1 | 2015 | Dr M Suresh | Meritorious Research Scientist award for 2013 |

**PARTICIPATION OF FACULTY IN SYMPOSIA / WORKSHOPS / TRAINING / CONSULTANCY VISITS / SPECIAL ASSIGNMENTS (LAST 5 YEARS; 2015 ONWARDS)**

| S.No | Year | Name of the staff | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| 1 | 2018 | **Dr M. Suresh** | 1st International Conference on biological Control (ICBC) | NBAIR, Bangalore |
| 2 | 2018 | | 3 day work shop on "Capacity building in Molecular Diagnostics " | Govt. Degree College (Men), Srikakulam. |
| 3 | 2017 | | Annual group meeting of AICRP on Biological control – Solan – | NBAIR, Bangalore |
| 4 | 2017 | | 5th NCBC 2017 – National conference on Biological Control, NBAIR Bangalore. | NBAIR, Bangalore |
| 5 | 2016 | | International Conference on Agricultural sciences and food technologies for sustainable production and nutritional security – | UAS, Bangalore. |
| 6 | 2016 | | National conference on National Priorities on Plant Health Management (NPPHM), | ANGRAU |
| 7 | 2016 | | Annual workshop of AICRP on Bio control, AU campus, | NBAIR, Bangalore |
| 8 | 2015 | | 2nd International Conference on Biotic Stress Management, | IJBSM |
| 9 | 2015 | | 26th Sugarcane R&D workers meeting, Visakhapatnam. | SISSTA |

**2. Dr S. Ramesh Babu**
**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2017 | Ramesh Babu Surapu, Ch. Durga Rani, J. Aruna, S. Vijay, P. Narayan Reddy and M. S. Prasad 2017 In Vitro Evaluation of Fungicides against Rice Blast Isolates to Assess Development of Fungicidal Resistance, *Int.J.Curr.Microbiol.App.Sci . Special Issue*-4: 53-60. | 5.38 |
| 2 | 2017 | Ramesh Babu Surapu, P. Srinivas, J. Aruna, S. Vijay, P.Ch. Durga Rani, Narayan Reddy and M.S. Prasad 2017 Survey of Magnaporthe grisea Isolates around Andhra Pradesh and Telangana States, India, *Int.J.Curr.Microbiol.App.Sci.* 6(5): 61-70. | 5.38 |
| 3 | 2017 | P. Srinivas, S. Ramesh Babu, Mamta Sharma, P. Narayan Reddy and B. Pushpavathi 2017 Effect of temperature on *Rhizoctonia bataticola* and dry root rot in chick pea, *Int.J.Curr.Microbiol.App.Sci .* 6(6) | 5.38 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2019 | Integrated Pest Management in Cashew, Turmeric and Pine apple | SERP –Govt of Andhra Pradesh |
| 2 | 2019 | Best management practices in rabi crops | Agricultural college, Naira |

## F.Department of Horticulture

**1. Dr K. Lakhsmi Durga**
**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| **1** | 2018 | Integrated use of NPK fertilizer with FYM influences growth, floral attributes, soil fertility and nutrient uptake of gladiolus in an Inceptisol of semi-arid tropics | 6.11 |
| 2 | 2017 | Soil test and targeted yield based primary nutrient management of marigold (*Tagetes patula* L) in an Inceptisol | 6.25 |
| 3 | 2016 | Coupling effect of fertigation and foliar application of micronutrients on growth yield and quality of carnation (*Dianthus caryophyllus* L.) cv. Bizet | 6.25 |
| 4 | 2016 | Association and path analysis studies in brinjal hybrids. | 4.54 |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2015 | International Plant Nutrition Institute (IPNI) Award-2015 | IPNI, Georgia, USA |
| 2 | 2013-2017 | DST-INSPIRE Fellowship | Department of Science and Technology, New Delhi |
| 3 | 2011 | Smt. Anne Shikamany Gold medal for Securing Highest OGPA in B. Sc (Hons.) Hort. | Dr YSR Hort. Univ |

**Information on Training Programmes attended: 7**

| Name of the Training Programme | Venue | Date | Duration | Benefits derived |
|---|---|---|---|---|
| Vittana Mitras | KVK, Kalyandurg | 28.09.17 to 01.09.17 | 4 days | Learnt about seed production techniques in groundnut and pulses |
| Training on Gatherix app | Rayadurg | 16.09.17 | 1 day | Hand on trained on using Gatherix app |
| Silkworm rearing | Yenumula doddi | 5.10.2017 | 1 day | Training programme on Silkworm rearing and mulberry cultivation |
| Knowledge sharing workshop on tropical fruits banana and pomegranate | Dr.YSRHU and Dept. of Horticulture | 4.11.17 to 5.11.17 | 2 days | Learnt about scientific management aspects of banana and pomegranate |

| | | | | |
|---|---|---|---|---|
| Foundation Course for Faculty of Agricultural Universities | ICAR-NAARM, Hyderabad | 12th March to 10th April | 30 days | Learnt about new methods of teaching, writing research project proposals and extension methods etc |
| Refresher training on "Field oriented agricultural technologies" for newly recruited SMSs/scientists of crop production and plant protection of KVKs/DAATTCs in rayalaseema zone | RARS, Nandyal | 19th to 21st Febraury | 03 days | Production technologies, Diagnosis and management of insect pests, diseases, and ICT tools |
| Training programme | KVK, Reddipalli | 05.06.18 | 01 | seed production in different field crops to the scientists |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2020 | Role of Agril. students for food security in the context of climate change | ANGRAU-IDP |
| 2. | 2020 | Transforming Agricultural Education Institutions for Better Future Through Alumni Linkages | ANGRAU-NAHEP |
| 3. | 2020 | Strategic Planning for Transformational Change | Kansas State University, USA |
| 4. | 2020 | Integrated Insect Pests and Nematodes Management in Banana | ICAR-NRC Banana |
| 5. | 2020 | Changing Horticulture Landscape in India | Ray Consulting group |
| 6. | 2020 | Landscape tools for smart societies | Annamalai University, Tamil Nadu |
| 7. | 2020 | Harnessing the potential of Indigenous ornamentals | ICAR-DFR, Pune |
| 8. | 2020 | Horticulture – An Emerging sector for Employment Generation | Pushkaram College of Agricultural Sciences, TamilNadu |
| 9. | 2018 | National Conference on Arid Horticulture for enhancing productivity and economic empowerment | ICAR-Central Institute of Arid Horticulture, Bikaner, Rajasthan |
| 10. | 2017 | International symposium on Horticulture, priorities and emerging trends | International Society of Hort. Sciences, Belgium and IIHR, Bengaluru |
| 11. | 2017 | International conference on Technological advancement for sustainable agriculture and rural development (TASARD) | Society for plant research and AARDO, New Delhi |
| 12. | 2017 | International conference on Technological advancement for sustainable agriculture and rural development | Society for plant research and AARDO, New Delhi |
| 13. | 2016 | International conference on New approaches in Agriculture, | Dept. of Botany, Biotech. and microbiology, Andhra |

| | | | |
|---|---|---|---|
| | | food and environmental sciences | Layola college, Vijayawada. |
| 14. | 2016 | International Agro-biodiversity Congress (IAC) | ISPGR and biodiversity international, New Delhi |
| 15. | 2016 | International conference on Doubling farmers income through Horticulture, Indian Horticultural congress | Horticulture society of India, New Delhi |
| 16. | 2016 | National seminar on Agricultural Resource management and eco restoration, Bikaner, Rajasthan | Society of Agrl. And Arid ecology Research, ICAR- Bikaner |
| 17. | 2016 | National conference on Floriculture for urban and rural prosperity, IARI, New Delhi | ICAR, IARI, New Delhi |
| 18. | 2016 | National conference on Floriculture for urban and rural prosperity | ICAR, IARI, New Delhi |
| 19. | 2016 | Global conference on perspective of future challenges and options in agriculture | ASM foundation, New Delhi |
| 20. | 2016 | National seminar on Integrated development of horticulture in subtropical and hill region | Central institute of Hort. MoA, Govt. of India |
| 21. | 2015 | 3rd International symposium on underutilized plants | ISHS and TNAU |
| 22. | 2015 | International conference on Dynamics of smart horticulture for livelihood and rural development | Conference held at Jalgaon, Maharashtra, India |
| 23. | 2015 | International symposium on commercial floriculture and Landscape gardening for urban and peri urban Horticulture | Confederation of Hort. Associations of India, New Delhi |

## G.Department of Crop Physiology

**1. Dr B. Santosh.**
**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2016 | Effect of moisture stress on biochemical attributes Of sunflower genotypes, The Bioscan, 11(2): 1335-1338 | 5.26 |
| 2 | 2016 | Identification of suitable spacing and genotypes for High density planting system in cotton.The Bioscan, 11(4): 2611-2614 | 5.26 |
| 3 | 2019 | Abiotic stress responses of cotton: A review. International Journal of Chemical Studies, 7(6): 795-798 | 5.31 |
| 4 | 2019 | Physiological responses in rainfed conditions under high density planting system of cotton. The Pharma Innovation Journal. 8(12): 261-266 | 5.03 |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2018 | Participated in 30 days Training program FOCFAU, 2018. March 20 to April 20, 2018 | NAARM, Hyderabad |
| 2. | 2017 | Attended AP Ag Tech Summit, 2017 at Vizag, AP. | Andhra Pradesh Ag Summit |

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|---|---|---|---|
| 3. | 2018 | Work shop on ELP units management | Ag college,Tirupathi |
| 4. | 2017 | "Advanced training programme on pulses seed production' conducted at KVK, Amudalavalasa. | KVK, Amudalavalasa. Srikakulam, AP. |

## H. Department of Agril Engineering

**1. Er M. Karunya**
**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2017 | Attended AP Ag Tech Summit, 2017 at Vizag, AP. | Andhra Pradesh Agril. Summit, Vizag. |
| 2. | 2018 | Participated in 30 days Training program FOCFAU, 2018. March 20 to April 20, 2018. | NAARM, Hyderabad. |
| 3. | 2018 | Farm Engineering Expo-2018 Exhibition and National Conference. | Dr.N.T.R CAE, Bapatla. |

## I. Department of Agril Economics:

**1. Dr N. Sunanda**
**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) |
|---|---|---|
| 1 | 2019 | Y Jhansi, N Sunanda, Y.Radha and V Srinivasa Rao Factors Affecting the Viability of Tenant Farmers and Tenant Farm Households in Srikakulam district of Andhra Pradesh The Andhra Agricultural Journal J |
| 2 | 2017 | P Gayatri Devi, N Sunanda, D V S Rao and V Srinivasa Rao Economic Viability and Financial Feasibility of Installing Drip Irrigation System Without Subsidy in Coconut Cultivation In Srikakulam District ofAndhra Pradesh. The Andhra Agricultural Journal J 64(4) 930-933 |
| 3 | 2016 | U Sai Saravan,K V Ramana Murthy , AV Ramana and N Sunanda Stiudies on Improvement of System Productivity Through Introduction of Pre Kharif Crops Rice (Oryza sativa L.) Based Cropping System The Andhra Agricultural Journal J 63(2) 251-255 |
| 4 | 2016 | K Jeevana Jyothi, A V Ramana, K V Ramana Murthy and N Sunanda Nutrient Management Effects on Yield and Economics of rabi Maize The Andhra Agricultural Journal J 63(2) 256-262 |

**Information on Guidance to PG / Ph.D students (Total Service)**

| S.No | ID Number | Name of the student | Thesis Title | Role (Chairman / Member) |
|---|---|---|---|---|
| 1 | BAM- 2016-51 | Y Jhansi, | Study on economic viability of tenant farmers in Srikakulam district of Andhra Pradesh | Chairman |
| 2 | BAM-13-38 | Y. Lavanya | "Impact Analysis of Natural Disasters in Srikakulam district of Andhra Pradesh" | Chairman |
| 3 | BAM-12-36 | P. Gayatri Devi, | "An Economic Analysis of Drip Irrigation in Coconut Cultivtion in Srikakulam district of Andhra Pradesh". | Chairman |
| 4 | | U. Sravan Kumar | Studies on improvement of system productivity through introduction of pre kharif crops in Rice.(Oryza sativa L.) based cropping system | Member |
| 5 | | K. Jeevana | Nutrient Management for higher | Member |

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|---|---|---|---|---|
| | | Jyothi | productivity of rabi maize in North Coastal Zone of A.P. | |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2016-17 | Appreciation Certificate | Associate Dean, ACN |
| 2 | 2015-16 | Commendation Certificate | Dr. Lakhsmi Narasimham, I.A.S., District Collector Srikakulam |
| 3 | 2015-16 | Commendation Certificate | Dr. Lakhsmi Narasimham, I.A.S., District Collector and Magistrate, Srikakulam & President IRCS |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2017-18 | IPR and Bio safetyissue related to Plant Genetic Resources | Intellectual property Management Cell , Directorate of Research, GKVK, Bangalore |
| 2 | 2016-17 | "Change Management & Capacity Building | APHRDI, Bapatla |
| 3 | 2016-17 | Digitization of Student And Teacher card system | Lam, Guntur |
| 4 | 2016-17 | Prospects of Rice fallow , Sorghum and it's response to Nitrogen Application | Dept of Agronomy Ag. College, Naira |
| 5 | 2016-17 | National Conference on "Climate Resilience Agriculture in Coastal Agro Eco System" | |
| 6 | 2015-16 | V- DEANS Committee Agricultural Economics courses | Lam, Guntur |

**2. Dr V. Rajendra Prasad**

Information on List of Publications (Last 5 years; 2015 onwards)

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| 1 | 2016 | Rajendra Prasad V*etal (2016)* Status of food security in Andhra pradesh. Journal of Rural Development.35 (1) | 4.58 |
| 2 | 2020 | 1.V.Rajendra Prasad, K. Ramu Naidu and M. Suresh Kumar (2020) ESTABLISHMENT OF RAGI BASED AGRO-PROCESSING INDUSTRY IN VIZIANAGARAM DISTRICT-A FEASIBILITY STUDY International Journal of Recent Scientific Research (Vol. 11, Issue, 1(A), pp. 36700-36702. | 3.65 |
| | | 2.V. Rajendra Prasad and D. Vishnu Sankar Rao(2020) Analysis of sustainable path for food security in India. International Journal of Current Advanced Research Vol 9, Issue 02(B), pp 21243-21251 | 3.07 |
| | | 3.V. Rajendra Prasad (2020) Project Feasibility vis-a –vis Agriculture sector of Andhra Pradesh. International Research Journal Of Agricultural Economics And Statistics. 13 (1)-accepted for publication | 4.24 |
| | | 4.Rajendra Prasad V, Rajendra M.Inamdar, Prashanth Kumar R, Singh N K and M.H. Leela (2020) Branding Of Paprika Oleoresin In Chilli – Challenges And Opportunities. International Journal of Recent Scientific Research. 11(2) : 37381-37383. | 3.65 |
| 3 | | | |

**PARTICIPATION OF FACULTY IN SYMPOSIA / WORKSHOPS / TRAINING / CONSULTANCY VISITS / SPECIAL ASSIGNMENTS (LAST 5 YEARS; 2015 ONWARDS)**

| S.No | Year | Name of the staff | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|---|
| | 2020 | Dr.V.Rajendra Prasad | e-learning certificate course on fundamentals of GIS and GNS, JUL30-AUG 31.<br><br>Data Analysis using R<br><br>Designing E-learning content<br><br>23rd Annual Conference on Global Economic Analysis "Global Economic Analysis Beyond 2020" June 17-19, 2020<br><br>Webinar on EVALUATING SOCIAL PROGRAMMES, JUN, 8-11 | IIRS, ISRO, DEHRADUN<br><br>ICAR, NAARM<br><br>ICAR, NAARM<br><br>GTAP, Purdue University<br><br>MIT, USA |
| | 2019 | Dr.V.Rajendra Prasad | Branding of agricultural commodities and rural marketing for rural transformation from 24.06.2019 to 29.06.2019.<br>SWAYAM-NPTEL MOOC on "Energy Economics And Policy" of Course duration of 8 weeks with roll No.STSEP191116731 (e-verifiable) equivalent to one week offline training progmme.<br>National Symposium on the Choice of Farming Models for Income Security: Towards Equity and Sustainability' 21-22 June, 2019<br>Regional colloquium on Draft National educational policy 29.07.2019 | Indian Institute of Plantation Management, Bangalore<br><br>ONLINE<br><br>Agricultural College, Bapatla-522101<br><br>GMRIT, Rajam, Srikakulam District . |
| 1 | 2017 | Dr.V.Rajendra Prasad | National seminar on Agronomic | RARS, Nandyal |

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|---|---|---|---|---|
| | | | approaches for climate resilient Agriculture | |
| 2 | 2018 | Dr.V.Rajendra Prasad | National Conference on Digital And Engineering Technologies For Precision Agriculture And Value Addition & Farm Engineering Expo-2018 | CAE, Bapatla |
| 3 | 2018 | Dr.V.Rajendra Prasad | National Seminar on 'Futuristic Agriculture for Sustainable Food Security' | S.V.Agriultural College, Tirupathi |
| 4 | 2016 | Dr.V.Rajendra Prasad | 7th Indian youth science congress | KIIT University, Odisha |
| 5 | 2015 | Dr.V.Rajendra Prasad | *National seminar* on Integrated Farming systems for sustainable agriculture and enhancement of rural livelihoods | ICAR-NAARM |
| 6 | 2015 | Dr.V.Rajendra Prasad | National conference on Agricultural Marketing | MPUAT, Udaipur |

## J. Department of Agricultural Extension:

**1. Dr M. Suresh Kumar**
**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2016 | BEST PAPER PRESENTED AWARD | ASIAN FEDERATION OF IT IN AGRICULTURE, SOUTH KOREA |
| 2 | 2017 | BEST PAPER PRESENTED AWARD | NATIONAL RESEARCH CENTRE, CAIRO EGYPT |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2019 | POST DOCTORAL RESEARCH EXPERIENCE | KANSAS STATE UNIVERSITY |

**INFORMATION ON LIST OF PUBLICATIONS (LAST 5 YEARS; 2015 ONWARDS)**
**ENTIRE DEPARTMENT (All Staff Data)**

| S.No | Year | Title of the publication | NAAS rating |
|---|---|---|---|
| 1. | 2016 | 2. A Study on the Information And Communication Management Systems (ICMS) in India– Connecting The Resource Poor Farmers To Knowledge And Institutions, paper published in the Journal of Agribusiness and Information management Vol 8 No1 2016 pp1-10. From the Korea Society of Food and Agricultural Information services. | -- |
| 2. | 2017 | A Study on the Digitization of supply chain Management in | -- |

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|---|---|---|---|
| | | Agriculture in INDIA, paper published in the Journal of Agricultural Informatics Vol8, No1 In 2017 pp45-51 and also published in the proceedings of International conference conducted by WCCA(World Congress on Computers in Agriculture) and European Federation of IT in Agriculture (EFITA) on Digitization of supply chain management in Agriculture from 29th June to 2nd July 2015 at Poznan, Poland. | |
| 3. | 2017 | Comparing The Yield Of Pulses Using Different Integrated Crop Management Strategies: A Case Study In India Paper published in the proceedings of the International symposium AGROSYM 2017 from 05-08th October 2017 at Joharina Bosnia | -- |
| 4. | 2018 | GIS and GPS based precision Agriculture model in India- A case study. Paper published in the Journal of Agribusiness and Information management Vol 10 No 2 2018 pp1-7. From the Korea Society of Food and Agricultural Information services. | -- |

**2. Dr S. Neelaveni**

**Information on List of Publications (Last 5 years; 2015 onwards) :5**

| S.No | Year | Title of the publication (AAJ format) |
|---|---|---|
| 1. | 2015 | **"Study on Profitable Farming Systems in Srikakulam District"**Neelaveni S, Venkata Rao P and Anil Kumar D Abstract of Proceedings of Global social science conference 2015 on Management of sustainable livelihood systems on 14th to 17th February, 2015 Organized by International Society of Extension Education(INSEE) Orissa University of Agriculture and Technology (OUAT) Orissa Society of Extension Education (OSEE |
| 2. | 2015 | **"Constraint Analysis of Drum Seeder Technology in Paddy Cultivation in North Coastal Zone of Andhra Pradesh"**Venkata Rao P, Neelaveni Sand B.Pradeep Kumar P and Punna Rao P Abstract of Proceedings of Global social science conference 2015 on Management of sustainable livelihood systems on 14th to 17th February, 2015 Organized by International Society of Extension Education(INSEE) Orissa University of Agriculture and Technology (OUAT) Orissa Society of Extension Education (OSEE) |
| 3. | 2015 | **"Sustainable livelihood through adoption of drum seeder technology in paddy cultivation in north coastal zone of Andhra Pradesh"** Venkata Rao P, .Neelaveni S and Pradeep Kumar P Abstract of Proceedings of National seminar on sustainable agricultural development issues and challenge during 22nd and 23rd November, 2015 Organized by Dept. of Economics Agro-Economic Research centre, Andhra University and swadhikaar (NGO) |
| 4. | 2020 | **Adoption of Improved green gram production technology in Srikakulam district Neelaveni S, Venkatarao P and Anilkumar D abstract in Compendium of** National Conference(Online) on "Transformation of Agricultural Extension and strategies for effective reformation (TAESERE-2020) organised by Department of Agricultural Extension, Agricultural College, Bapatla during 20th August 2020-21st August 2020 |
| 5. | 2020 | **Adoption of drumseeder technology in North Coastal zone of Andhra Pradesh Venkatarao P Neelaveni S and Chinnamnaidu D abstract in Compendium of** National Conference(Online) on "Transformation of Agricultural Extension and strategies for effective reformation (TAESERE-2020) organised by Department of Agricultural Extension, Agricultural College, Bapatla during 20th August 2020-21st August 2020 |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1. | 2018 | Certificate of Appreciation in the teaching staff at college level on the occasion of republic day celebrations | Associate Dean |
| 2. | 2016 | Best participant award in 21 days training programme ""New age extension strategy for communication proficiency and managerial skills for extension professionals: Concepts, approach ,methodology, application" at farmers academy and convention centre, Kalyani,West Bengal during 7th September 2016 to 27th September 2016 | Course Director |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1. | 2016 | "New age extension strategy for communication proficiency and managerial skills for extension professionals: Concepts, approach ,methodology, application" at farmers academy and convention centre, Kalyani,West Bengal during 7th September 2016 to 27th September 2016 | Department of Agricultural Extension, BCKV,West Bengal |
| 2 | 2015 | Global social science conference 2015 on Management of sustainable livelihood systems during 14th to 17th February, 2015 | International Society of Extension Education, Orissa Society of Extension Education and OUAT, Bubaneswar. |
| 3 | 2015 | National seminar on sustainable agricultural development issues and challenge during 22nd and 23rd November, 2015 . | Dept. of Economics Agro-Economic Research centre, Andhra University. |
| 4 | 2020 | National Conference(Online) on "Transformation of Agricultural Extension and strategies for effective reformation (TAESERE-2020) . during 20th -21st August 2020 | Agricultural College, Bapatla |

**INFORMATION ON AWARDS / RECOGNITIONS / CERTIFCATES (LAST 5 YEARS)**

| S.No | Year | Name of the Staff | Type of Recognition |
|---|---|---|---|
| 1. | 2018 | Dr.S.Neelaveni | Certificate of Appreciation in the teaching staff at college level on the occasion of republic day celebrations |
| 2. | 2016 | Dr.S.Neelaveni | Best participant award in 21 days training programme ""New age extension strategy for communication proficiency and managerial skills for extension professionals: Concepts, approach ,methodology, application" at farmers academy and convention centre, Kalyani,West Bengal during 7th September 2016 to 27th September 2016 |

## K. Department of Statistics, mathematics and Computer Applications:

**1. Dr G. Mohan Naidu**
**Information on List of Publications (Last 5 years; 2015 onwards)**

| S. No. | Authors | Year | Title of the Paper | Journal | Volume |
|---|---|---|---|---|---|
| 1. | **G. Mohan Naidu** | 2015 | Forecasting maize price in Andhra Pradesh using seasonal ARIMA model | Research Journal of Agricultural Sciences | Vol.6(1), pp. 149-152 |
| 2. | **G. Mohan Naidu** and M. Sri Kala | 2015 | Potato price forecasting using seasonal ARIMA model | Research Journal of Agricultural Sciences | Vol.6(2), pp. 304-305 |
| 3. | Priya M. Shanthi, Reddy K. H. P., Kumar M. Hemanth, Rajarajeswari V., **Naidu G. Mohan** | 2015 | Variability and heritability studies for cane yield and quality traits in sugarcane *(Saccharum Spp.).* | BIOINFOLET | Vol.12, No.2A, pp.436-439 |
| 4. | Priya M. Shanthi, Reddy K. H. P., Kumar M. Hemanth, Rajarajeswari V., **Naidu G. Mohan** | 2015 | Genetic diversity and character association among sugarcane (*Saccharum* Spp.) clones | BIOINFOLET | Vol.12, No.2B, pp.444-451 |
| 5. | M. Shanthi Priya, K.H.P. Reddy, M. Hemanth Kumar, V. Rajarajeswari, **G. Mohan Naidu**, R. Narasimhulu, B. Rupesh Kumar Reddy and D. Mohan Reddy | 2015 | Selection indices for theoretical yield of alcohol in sugarcane | Andhra Pradesh Journal of Agricultural sciences | Vol.1(1), pp. 12-15 |
| 6. | Nirmala T. Vijaya, Devi I. Bhavani, **Naidu G. Mohan** | 2015 | Studies on prices of tomato, brinjal and bhendi in Andhra Pradesh | BIOINFOLET | Vol.12 (2B), pp. 529-533. |
| 7. | B. Ravindra Reddy, V. Meena Kuamr, **G. Mohan Naidu**, P.N. Harathi and M. Mahesh Kumar | 2015 | Statistical analysis and forecasting of rice bacterial leaf blight (BLB) based on climate factor in SPSR Nellore district of Andhra Pradesh. | Andhra Pradesh Journal of Agricultural sciences, | Vol.1(1), pp. 73-77 |
| 8. | **G. Mohan Naidu** | 2015 | Applicability of ARIMA Models in Wholesale Vegetable Market. | International Journal of Agricultural and Statistical Sciences | Vol.11(1), pp. 69-72 |
| 9. | **G. Mohan Naidu** | 2015 | Selection of appropriate growth model for projection of sugarcane area, production and productivity of Andhra Pradesh. | International Journal of Agricultural and Statistical Sciences | Vol.11, No. 1, pp.215-218 |

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|---|---|---|---|---|---|
| 10. | P. Sumathi, **G. Mohan Naidu** and B. Ravindra Reddy | 2015 | Applications of Mathematical Sciences in the field of Agriculture | International Journal of Scientific and Innovative Mathematical Research | Vol. 3(2), pp. 826-829 |
| 11. | N Srividya Rani, T Lakshmi, S V Prasad and **G Mohan Naidu** | 2015 | Constraints Faced by Farm Women in Performing their Managerial Role and Suggestions to Overcome them in Chittoor District of Andhra Pradesh | Research Journal of Agricultural SciencSes | Vol. 6(3), pp.593-595. |
| 12. | V. Meena Kumari, B. Ravindra Reddy and **G. Mohan Naidu** | 2015 | Forecasting rice blast in Nellore district of Andhra Pradesh | BIOINFOLET | Vol.12 (3A), pp. 571-573 |
| 13. | C.Yasmin, K.Venkaiah, M.V.S.Naidu, V. Munaswamy, D. Subramanyam and **G. Mohan Naidu** | 2015 | Physico-Chemical properties of sweet orange growing soils of Anantapur district | BIOINFOLET | Vol. 12(3B), pp. 780-782. |
| 14. | C. Yasmin, K. Venkaiah, M.V.S. Naidu, D. Subramanyam and **G. Mohan Naidu** | 2015 | Status of macro and secondary nutrients in Sweet Orange orchards of Anantapur District | BIOINFOLET | 10(3B), pp.783-785. |
| 15. | R. Narasimhulu, N.V. Naidu, K.H.P. Reddy and **G. Mohan Naidu** | 2015 | Heterosis for yield and its attributes in Greengram (Vigna radiate L. Wilczek) | BIOINFOLET | Vol.12(3B), pp.707-715 |
| 16. | G. Chaithanya Kumar, **G. Mohan Naidu**, B. Ravindra Reddy and I. Bhavani Devi | 2015 | Trends and variations in arrivals and prices of cotton | Andhra Pradesh Journal of Agricultural Sciences | Vol 1(2), pp. 19-23. |
| 17. | **G. Mohan Naidu** and B. Ravindra Reddy | 2015 | Forecasting of potato and onion sales in wholesale market by using ARIMA Model | Research Journal of Agricultural Sciences | Vol.6(special), 1481-1484 |
| 18. | N. Srividya Rani, T. Lakshmi, S.V. Prasad and **G. Mohan Naidu** | 2015 | Profile Characteristics of Farm Women in Chittoor District of Andhra Pradesh | Research Journal of Agricultural Sciences | Vol. 6(special),pp. 1515-1517. |
| 19. | **G. Mohan Naidu** | 2015 | Forecasting of potato area, production and productivity in India using ARIMA models | Research Journal of Agricultural Sciences | **Vol.** 6(special),pp. 1526-1528 |
| 20. | **G. Mohan Naidu** and P. Sumathi | 2015 | Statistical Designs and Regression analysis in agricultural sciences | Andhra Pradesh Journal of Agricultural sciences | Vol.1(3), pp.8-10 |
| 21. | Swatantra Mishra, M. Shnathi Priya, m. Reddi Sekhar and **G. Mohan Naidu** | 2015 | Studies on variability and heritability in cluster bean | Andhra Pradesh Journal of Agricultural sciences | Vol.1(3), pp. 69-73 |

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| 22. | **G. Mohan Naidu**, M. Srikala* and G. Chaithanya Kumar | 2015 | Forecast Modeling of Sugarcane in Andhra Pradesh | International Journal of Agricultural and Statistical Sciences, | Vol.11, No.2, pp. 301-306 |
| 23. | S.B. Ramya Lakshmi, I.Bhavani Devi and **G. Mohan Naidu** | 2015 | Price volatility and integration of major chilli (dry) markets in India | Andhra Pradesh Journal of Agricultural sciences | Vol.1(4), pp. 13-17 |
| 24. | N. Srividya Rani, T. Lakshmi, S.V. Prasad and **G. Mohan Naidu** | 2015 | Relationship of the profile characteristics of farm women with their managerial role | Andhra Pradesh Journal of Agricultural sciences | Vol.1(4), pp. 66-70 |
| 25. | B. Kranthi Kumari, S.V. Prasad, P.V Sathya Gopla and **G. Mohan Naidu** | 2015 | Constraints faced by the farmers in adaption to climate variability and suggestion to overcome them in Kurnool district of Andhra Pradesh | Andhra Pradesh Journal of Agricultural Sciences | Vol.1(4), pp. 71-74 |
| 26. | **G. Mohan Naidu** | 2016 | Forecasting arrivals and prices of cotton with univariate ARIMA models | International journal of Agricultural and Statistical sciences | Vol. 12, No. 1, pp. 169-172. |
| 27. | **G. Mohan Naidu** and M. Srikala | 2016 | A statistical study of trends in arrival and prices of maize in selected markets of Andhra Pradesh | International journal of agricultural and statistical sciences | Vol. 12, No. 1, pp. 89-94. |
| 28. | R. Parvathi Devi, I. Bhavani Devi, B. Aparna, **G. Mohan Naidu** and S.V. Prasad | 2016 | Horizontal integration of selected sunflower markets of India: An analysis | International journal of agricultural and statistical sciences | Vol. 12, No. 1, pp. 135-140 |
| 29. | P Sharmila, B Pratapa Reddy, T V Neelakanta Sastry and **G Mohan Naidu** | 2016 | Economics of Mechanized Paddy Farms in Rayalaseema Region of Andhra Pradesh | The Andhra Agricultural Journal | Vol.63(1), pp.204-207 |
| 30. | **G. Mohan Naidu** B. Ravindra Reddy, V. Amarnadh and Addanki Jothi Babu | 2016 | Forecasting area and production of wheat by using unobserved components model | Andhra Pradesh Journal of Agricultural Sciences | Vol.2(1) pp. 52-58 |
| 31. | G. Chaithanya Kumar, **G. Mohan Naidu** and B. Ravindra Reddy | 2016 | Forecasting of cotton behavior by ARIMA approach | Research Journal of Agricultural Sciences | Vol. 7(Special) pp.92-95. |
| 32. | M. Shireesha, I. Bhavani Devi, N. Vani, **G. Mohan Naidu** and S. V. Prasad | 2016 | Dynamics of futures and spot market prices of turmeric in India | Research Journal of Agricultural Sciences | Vol.7(Special) pp. 138-142 |
| 33. | M. Shireesha, I. Bhavani Devi, N.Vani, **G. Mohan Naidu** and S.V.Prasad | 2016 | A Study on marketing practices of turmeric in India | Research Journal of Agricultural Sciences | Vol.7(Special) pp. 154-158. |

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| 34. | N. Srividya Rani, T. Lakshmi, S.V. Prasad and **G. Mohan Naidu** | 2016 | Strategy for effective managerial role of farm Women in Chittoor District of Andhra Pradesh | Research Journal of Agricultural Sciences | Vol.7(Special) pp. 59-62. |
| 35. | B. Kranthi Kumari, S.V. Prasad, P.V Sathya Gopla and **G. Mohan Naidu** | 2016 | Relationship between the profile characteristics of farmers and their perception towards climate variability | Research Journal of Agricultural Sciences | Vol.7(Special) pp. 132-134. |
| 36. | S.B. Ramya Lakshmi, I.Bhavani Devi and **G. Mohan Naidu*** | 2016 | Forecasting prices of chilli (Dry) in major markets of Andhra Pradesh and Telangana | Andhra Pradesh Journal of Agricultural Sciences | Vol.2(2), pp.151-157. |
| 37. | M. Kandeeban, Y. Prabhavathi, B. Aparna and **G. Mohan Naidu** | 2016 | Study on marketing channels and market readiness of farmer producer companies (FPCs) in Telangana and Karnataka | Andhra Pradesh Journal of Agricultural Sciences | Vol.2(2), pp.87-89. |
| 38. | B. Ravindra Reddy, P. Sumathi and **G. Mohan Naidu** | 2016 | Planning and application of statistical techniques in agricultural experimentation | Andhra Pradesh Journal of Agricultural Sciences | Vol.2(2), pp.130-134 |
| 39. | M. Shireesha, I. Bhavani Devi, N.Vani, **G. Mohan Naidu** and S.V.Prasad | 2016 | A Study on integration of turmeric markets in India | International journal of Agricultural and statistical sciences | December, 2016 |
| 40. | M. Shireesha, I. Bhavani Devi, N. Vani, **G. Mohan Naidu** and S.V. Prasad | 2016 | Price volatility of turmeric in India: An empirical analysis | International journal of Agricultural and statistical sciences | December, 2016 |
| 41 | **G. Mohan Naidu** and A. Jyothi Babu | 2017 | Forecasting sugarcane yield in India using ARIMA model | Research Journal of Agricultural Sciences | Vol. 8(4): pp. 980-983 |
| 42 | M. Sri Kala, I. Bhavani Devi, S. Rajeswari, **G. Mohan Naidu** and S.V.Prasad | 2017 | Market outlook of major paddy markets in India. | ORYZA An international Journal on Rice. | Vol. 54(2): pp. 222-228 |
| 43 | M. Sri Kala, I. Bhavani Devi, S. Rajeswari, **G. Mohan Naidu** and S.V.Prasad | 2017 | Application of time series models for forecasting of paddy price in Nizambad market (Telangana) | Agricultural situation in India | January, 2018. Pp. No. 41-46. |
| 44 | **G. Mohan Naidu**, B. Ravindra Reddy and B. Ramana Murthy | 2018 | Time Series forecasting using ARIMA and Neural Network Approaches | International Journal of Agricultural Statistical Sciences | Vol. 14(1), pp. 275-278. |
| 45 | B. Ramana Murthy, **G. Mohan Naidu**, B. Ravindra Reddy and Sk. Nafeez Umar | 2018 | Forecasting Groundnut Area, Production and Productivity of India using ARIMA model | International Journal of Agricultural Statistical | Vol. 14(1), pp. 153-156. |

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|---|---|---|---|---|---|
| | | | | Sciences | |
| 46 | M. Sri Kala, I. Bhaani Devi, S. Rajeswari and **G. Mohan Naidu** | 2018 | Analysis of price volatility in Major paddy and Maize Markets in India | Research Journal of Agricultural Sciences | Vol. 9(1), pp.137-139. |
| 47 | **G. Mohan Naidu** | 2018 | Non-linear Statistical Approach for Area, Production and Productivity of pulse crops in India | Research Journal of Agricultural Sciences | Vol. 9(2), pp. 104-106 |
| 48 | M. Sri Kala, I. Bhavani Devi, S. Rajeswari and **G. Mohan Naidu** | 2018 | Price behavior of paddy in selected markets in India | Research Journal of Agricultural Sciences | Vol. 9(3), pp. 687-690. |
| 49 | Chowa Ram Sahu, M.L. Lakhera and **G. Mohan Naidu** | 2018 | Forecasting arrivals and prices of Paddy in Chhattisgarh state using SARIMA approach | Research Journal of Agricultural Sciences | Vol. 9(6), pp. 61245-1247 |
| 50. | V Abdul Rasheed, SR Koteswara Rao, T Ramesh Babu, T Murali Krishna, BV Bhaskara Reddy and **G Mohan Naidu** | 2018 | Biophysical parameters of different tomato genotypes responsible for resistance/susceptibility to South American tomato leaf miner, Tuta absoluta (Meyrick) | Journal of Pharmacognosy and Phytochemistry | Vol.7, No. 6, pp.1130-1136 |
| 51 | V Abdul Rasheed, SR Koteswara Rao, T Ramesh Babu, T Murali Krishna, BV Bhaskara Reddy and **G Mohan Naidu** | 2018 | Biochemical constituents of different tomato genotypes responsible for resistance/susceptibility to South American tomato leaf miner, Tuta absoluta (Meyrick) | Journal of Pharmacognosy and Phytochemistry | Vol. 7, No. 6, pp. 1122-1129 |
| 52 | V Abdul Rasheed, SR Koteswara Rao, T Ramesh Babu, T Murali Krishna, BV Bhaskara Reddy and **G Mohan Naidu** Journal of Entomology and Zoology Studies | 2018 | Age specific fecundity life table of South American tomato leaf miner, Tuta absoluta (Meyrick) on tomato | Journal of Entomology and Zoology Studies | Vol. 6, No. 6, pp. 546-549 |
| 53. | V. Abdul Rasheed1*, S.R. Koteswara Rao2, T. Ramesh Babu1, T. Murali Krishna3, B.V. Bhaskara Reddy4 and **G. Mohan Naidu5** | 2018 | Biology and Morphometrics of Tomato Pinworm, Tuta absoluta (Meyrick) on Tomato | International Journal of Current Microbiology and Applied Sciences | Volume- 7 Number 11, pp. 3191-3200 |
| 54. | V Abdul Rasheed, SR Koteswara Rao, T Ramesh Babu, T Murali Krishna, BV Bhaskara | 2018 | Incidence of South American tomato leaf miner, Tuta absoluta (Meyrick) in Chittoor | Journal of Entomology and Zoology Studies | Vol. 6, No. 5, pp. 2407-2414. |

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|---|---|---|---|---|---|
| | Reddy and **G Mohan Naidu** | | district of Andhra Pradesh, India | | |
| 55. | M. Areef, S. Rajeswari, N. Vani and **G. Mohan Naidu** | 2019 | Lasalgaon onion market price forecasting – An application of ARIMA model | Indian Journal of Agricultural Marketing | (Conf. Spl.),33(3) |
| 56. | M. Areef, S. Rajeswari, N. Vani and **G. Mohan Naidu** | 2019 | A study on price behavior of onion in Bangalore market of Karnataka, India | The Andhra Agricultural Journal | 66 (SPL): 37-41 |
| 57. | M.S. Rahul, S.V. Prasad, P.V. Sathaya Gopal, I. Bhavani Devi and **G. Mohan Naidu** | 2019 | Perceived constraints and suggestions in utilization of instructional technology by Teacher of Acharya N.G. Agricultural University | International Journal of Current Microbiology and Applied Sciences ISSN. 2319-7706 | Vol.8, Number 07 |
| 58. | Chowa Ram Sahu, M.L. Lakhhera and **G. Mohan Naidu** | 2019 | Forecasting arrivals and pries of paddy in Krurd Market of Chhattisgarh State using SARIMA Approach | The AndhraAgric. Journal | 66(Spl): 68-70 |
| 59. | Aswini, I. Byaligoudra, B. Aparna, N. Vani and **G. Mohan Naidu** | 2019 | Growth and instability of Major Millets in Andhra Pradesh, India | International Journal of Current Microbiology and Applied Sciences | Vol.8 (7): 985-993 |
| 60.. | M. Areef, S. Rajeswari, N. Vani and **G. Mohan Naidu** | 2020 | Price behavior and forecasts of onion prices in Kurnool market, Andhra Pradesh | Economic Affairs | Vol. 65, No. 1, pp:01-08 |
| 61. | B. Ramana Murthy, **G. Mohan Naidu**, C. Tamilselvi and N. Priyanka Evangilin | 2020 | Validity of Arima Model on Production of Papaya in India | Indian journal of pure & applied bio sciences | Vol. 8, No. 2, pp. 64-68 |
| 62. | M. Ramakrishna, I. Bhavani Devi, S. RAjeswari, P.V. Satyagopal and **G. Mohan Naidu** | 2020 | A Study on Economic Viability of small and Marginal Farmers in Rayalaseema Region of Andhra Pradesh | Indian journal of pure & applied bio sciences | Vol. 8, No. 3, pp. 278-284 |
| 63. | C. Tamilselvi, G. Mohan Naidu, B. Ramana Murthy and S. Rajeswari | 2020 | Behavioural study of Market arrivals and prices of Tomato in Major markets of Tamil Nadu- A time Series Analysis | International Journal of Current Microbiology and Applied Sciences | Vol.9 (7):3405-3413 |
| 64. | N. Priyanka, B. Ramana Murthy, G. Mohan Naidu and B. Aparna | 2020 | Statistical model for forecasting area, production and productivity of Sesame crop (Sesamum indicum L.) in Andhra Pradesh, India | International Journal of Current Microbiology and Applied Sciences | Vol.9 (7): 1156-1166 |

**Information on Guidance to PG / Ph.D students (Total Service)**

| S.No | ID Number | Name of the student | Thesis Title | Role (Chairman / Member) |
|---|---|---|---|---|
| 1 | TAM/2010 - 031 | P. Kumuda keerthi | A statistical study of variation in arrivals and prices of tomato in chittoor district, Andhra Pradesh | Chairman |
| 2 | TAM/2013-033 | G. Chaithanya Kumar | Statistical analysis on arrivals and prices of cotton in selected markets of Andhra Pradesh | Chairman |
| 3 | TAM/2018/057 | C. Tamil Selvi | Behaviour of prices and arrivals of Major vegetables in selected markets of Tamil Nadu | Chairman |
| | | K. Prashanth | Molecular characterization of contrast genotypes, bioecology and management of major insect pests of dolichos bean Lablab purpureus L | Member |
| | | Swatantra Mishra | Genetic variability and divergence in clusterbean | Member |
| | | M. Kandeeban | Study on market competitiveness and financial patterns of farmer producer organizations (FPOs) in Telangana and Karnataka | Member |
| | | R.L.S. Aditya | Study on organizational structure of farmer producer organizations (FPOs) for effective value chain analysis 0 A case analysis of Telangana and Karnataka | Member |
| | | A. Chandra Sekhar Rao | A study on buying behavior of farmers for indofil products in Krishna district of Andhra Pradesh | Member |
| | | K. Shiny Israel | Economic analysis of agro industry – A case study of Sri venkateswara co-operative sugar Ltd. Gajulamandyam, Renigunta | Member |
| | | M.V. Narayana | Food safety standards – Analysis with reference to street Vendors, Retailers & House hold women in Tirupati of Chittoor district | Member |
| | | S. Vineel Kumar | A study o farmer attitudes towards the purchase of INDOFIL products in Guntur district of Andhra Pradesh | Member |
| | | Ch. Bhagya Phanindra | A study on procurement of milk by Balaji Dairy in Chittoor district of Andhra Pradesh | Member |
| | | M. Shireesha | Influence of futures market on price behavior of turmeric in India | Member |
| | | M. Sri Kala | Price behavior, export competitiveness and direction of trade of selected cereals in Andhra Pradesh | Member |
| | | K.L.P. Mallika | Export performance of pepper in India | Member |
| | | N. Anuradha | A study on analysis of supply chain management of chillies in Guntur region – A case study on LTC Ltd. | Member |

| | | | | |
|---|---|---|---|---|
| | | Haseena Shaik | Economic analysis of farmers grain storage practices in Guntur district of Andhra Pradesh | Member |

**Information on Professional Certificates / Honors / Awards**

| S.No | Year | Type of Recognition | Presented by |
|---|---|---|---|
| 1 | 2015 | ISSP South Zonal Seminar on Crop Physiology-Emerging Challenges and Opportunities for Sustainable Agriculture | Dept. of Crop Physiology, S.V. Agricultural college & RARS, Tirupati |
| 2 | 2015 | National seminar on The Role of Statistical Tools in Data Analysis of Research Projects and Thesis – 2015 | Dept. of Statistics, P.V.K. N. Govt. College, Chittoor |

**Participation in Symposia / Symposia / Training / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia / Symposia / Training / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2019 | Organized XXI Annual conference of the Society of Statistics, Computer and Applications (COSIFHA – 2019) 29-31, January 2019, Dept. of Statistics & Computer Applications | Acharya N.G. Ranga Agricultural University, S.V. Agricultural College, Tirupati. |

**2. Dr S. Govinda Rao**

**Information on List of Publications (Last 5 years; 2015 onwards)**

| S.No | Year | Title of the publication (AAJ format) | NAAS rating |
|---|---|---|---|
| **1.** | **2015** | **Visalakshi, M, Bhavani, B and Govinda Rao S 2015** Field evaluation of entomopathogenic fungi against white grub *Holotrichia consanguinea* Blanch in sugarcane. *Journal of Biological Control.* 29(2): 103-106. | 5.34 |
| **2.** | **2016** | **Visalakshi, M, Bhavani, B and Govinda Rao S 2016** Ecofriendly and biointensive approach for the management of sugarcane shoot borers under organic forming. *Journal of Eco-Friendly Agriculture.* 11(1): 41- 43. | 3.80 |
| **3.** | **2016** | **Visalakshi, M, Bhavani, B and Govinda Rao S 2016** Field Evaluation of *Trichogramma chilonis* (Ishii) for The Management of Shoot Borers in Sugarcane. *International Journal of Bio-resource and Stress Management.* 7(4):915-918 | 4.65 |
| **4** | **2018** | **Seetha Ramu P, Swathi K and Govinda Rao S** A review on seasonal incidence and insecticidal management of spotted pod borer [*Maruca vitrata* (Geyer)] with special reference to urdbean (*Vigna mungo* L.) In India. Journal of Entomology and Zoology Studies. 6(4): 926-931 | 5.53 |
| **5** | **2018** | **Swathi K, Seetha Ramu P, Dhurua S, Suresh M and Govinda Rao S 2018** Influence of weather parameters on the incidence of natural enemies in rice fallow black gram ecosystem. Journal of Entomology and Zoology Studies. 6(5): 452-456 | 5.53 |

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| **6** | **2018** | **Harika G, Dhurua S, Sreesandhya N, Suresh M and Govinda Rao S 2018** Biology of Dimondback Moth, Plutellae xylostella (Lepidopetra: Plutellidae) of Cauliflower under Laboratory Conditio. International Journal of Current Microbiology and Applied Sciences 8 (1): 866-873 | 5.38 |
| **7** | **2018** | **Harika G, Dhurua S, Sreesandhya N, Suresh M and Govinda Rao S 2018** Influence of weather parameters on the incidence of natural enemies in the cauliflower ecosystem. International Journal of Chemical Studies 7(1): 29-32. | 5.31 |
| **8** | **2020** | **Seetha Ramu P, Swathi K, Dhurua S, Suresh M, Govinda Rao S and Sreesandhya N 2020** Bioefficacy of chemical insecticides against major sucking inscectpests on grain legumes in India- A review. Legume Research- An International Journal 43(1): 1-7. | 6.34 |
| **9** | **2020** | **Ramana Murthy B, Govinda Rao and Nafeez Umar SK 2020** Statistical model for forecasting production of ginger in India. Journal of Pharmacognosy and Phytochemistry Sp9(2): 317-320 | 5.21 |
| **10** | **2020** | **Kondababu P, Prasad Rao Patnaik V.V.S.S.V and Govinda Rao S (2020)** The Effectiveness of Internet Advertising on Consumer Behaviour: A Case Study of Maharajah's College (Autonomous), Vizianagaram of Andhra Pradesh State, India**.** International Journal of Current Advanced Research. 9 (6) (D): 22595-22601 | 3.07 |
| **11.** | **2020** | **Rajendra Kumar B, Govinda Rao S and Rajendra Prasad V (2020)** Influence of Seaweed Saps on Germination, Growth and Yield and Economics of Sesame in North Coastal Zone of Andhra Pradesh. International Journal of Recent Scientific Research. 11 (03) (B): 37783-37786. | 3.65 |
| **12.** | **2020** | **Salomi Grace M, Ramana A V, Upendra Rao and Govinda Rao S 2020** Effect of Foliar Nutrition on Yield and Economics of Sweet Corn. International Journal of Current Microbiology and Applied Sciences. 9 (7): 3886-3893 | 5.38 |

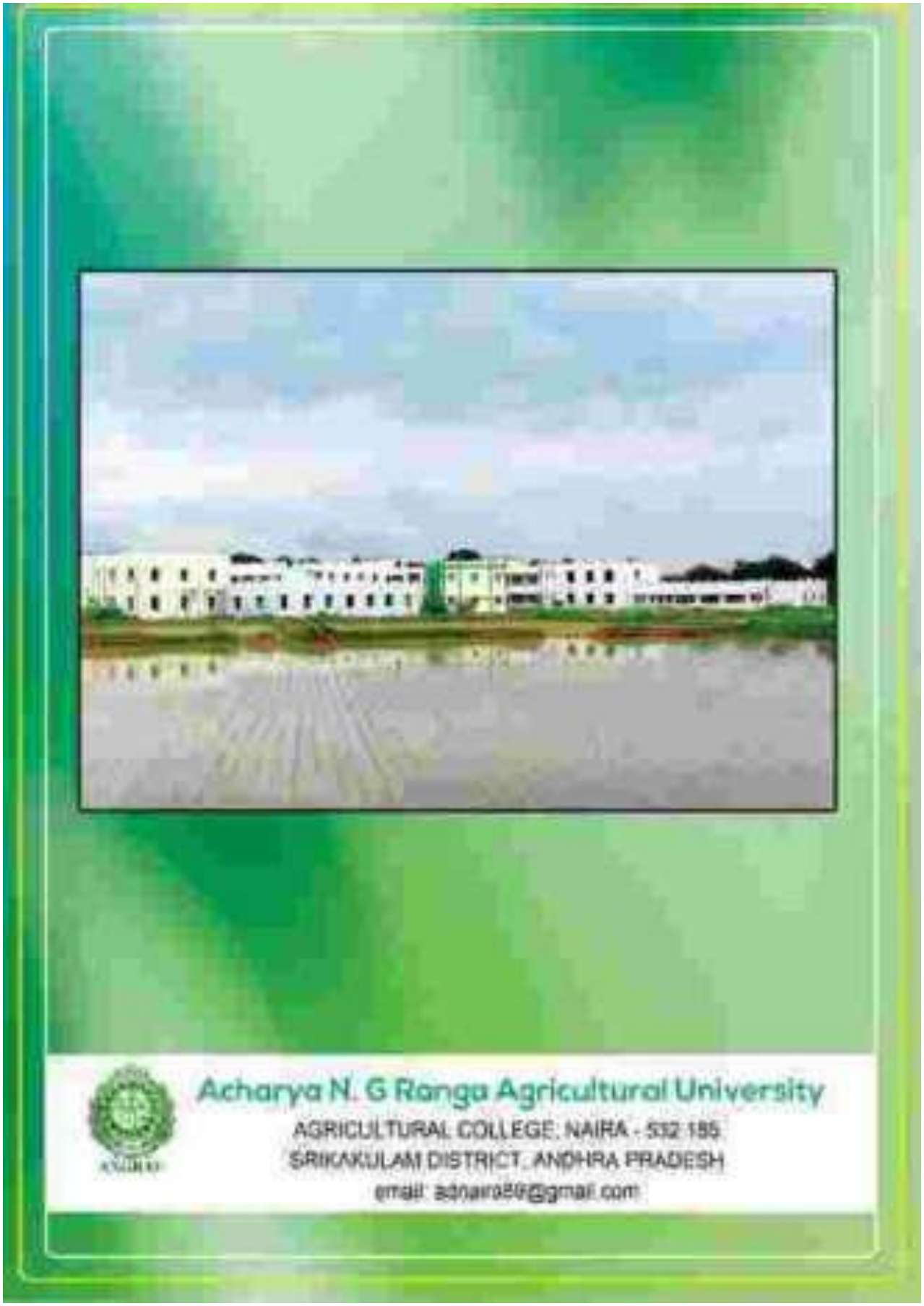
**Information on Professional Certificates / Honors / Awards: NA**

| S.No | Type of Recognition/ Professional Bodies | Presented by |
|---|---|---|
| 1 | Research Journal, ANGRAU | Life Membership |
| 2 | ISPS, Bangalore | Life Membership |
| 3 | ORSI, Kolkata | Life Membership |
| 4 | ISCA, Kolkata | Life Membership |
| 5 | IISA, Kolkata | Life Membership |
| 6 | APSMS, Hyderabad | Life Membership |
| 7 | IASS, Alahabad | Life Membership |
| 8 | AAJ, Bapatla, Guntur | Life Membership |
| 9 | SISSTA, Chennai | Life Membership |
| 10 | Vyavasayam, Guntur | Life Membership |

**Participation in Symposia / Seminars/ Workshops / Trainings / Consultancy visits / Special Assignments (Last 5 years)**

| S.No | Year | Name of Symposia/Seminars /Workshops / Trainings / Consultancy visits / Special Assignments | Organized by |
|---|---|---|---|
| 1 | 2015 | Foundation Course for Faculty of Agricultural Universities | ICAR-NAARM, Hyderabad |
| 2 | 2015 | National Workshop on Compliance Management of Contact Labour | Andhra University, Visakhapatnam |

| | | | |
|---|---|---|---|
| 3 | 2015 | NPTEL Workshop | GITAM University, Visakhapatnam |
| 4 | 2016 | National Seminar on “Recent Trends and Applications in Mathematics and Statistics” | PR Government College, Kakinada, AP. |
| 5 | 2016 | National workshop on Recent Trends on nano Science and Nano Technology | MR (A) College Vizianagaram, AP |
| 6 | 2016 | National seminar on “ Genetics and Genome Analysis for Novel Therapeutics | Government Degree College (Men), Srikakulam |
| 7 | 2016 | Training programme on Data Analysis using Statistical Packages | ANGRAU, Agricultural College, Bapatla |
| 8 | 2017 | Training programme on Analysis of Experimental Data | ICAR-NAARM, Hyderabad |
| 9 | 2017 | Faculty Development Training Workshop | ANGRAU, Agricultural College, Naira |
| 10 | 2018 | CAFT training Programme on : Computational and Statistical Advances for Analysis of Biological Data in Agriculture | ICAR-IASRI, New Delhi |
| 11 | 2018 | National Workshop on Capacity Building | Government Degree College (Men), Srikakulam |
| 12 | 2020 | Two Days Workshop on Data analytics in R using STATCRAFT | ANGRAU, Agricultural College, Bapatla. |


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# SELF STUDY REPORT
# for
# ACCREDITATION OF PROGRAMME

B.Sc (Hons) Agriculture




Acharya N. G Ranga Agricultural University

AGRICULTURAL COLLEGE, NAIRA - 532 185

SRIKAKULAM DISTRICT, ANDHRA PRADESH



# AGRICULTURAL COLLEGE
# NAIRA

***Three Decades of Service in Agriculture***

# Self Study Report for UG accreditation of the Programmes

# Agricultural College, Naira

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# Self Study Report for UG accreditation of the Programmes
# Agricultural College, Naira

**Historical Background:**

Agricultural College, Naira is situated in North Coastal Andhra Pradesh. The North Coastal Andhra Pradesh comprises three northern districts of the state of Andhra Pradesh, viz., Srikakulam, Vizianagaram and Visakhapatnam. Although the economy of the region is primarily agrarian in character, the scale of exploring the natural resources base requires a special focus for reaping bountiful harvest.

The North Coastal Andhra Pradesh is characteristically different from rest of the state with regard to soils, climate, physiography, cropping pattern etc. The region does possess as many as five of the six soil Orders of Soil Taxonomy found in the entire state and are highly varied, warranting skilled management.

- A large number of crops of the area are different from those of the rest of the state e.g. mesta is an important crop of the region and so is rice-fallow pulses practiced in the region. Similar is the case with a number of vegetables, fruit crops and spices and condiments grown in the high altitude area of Visakhapatnam district.
- The region does have large areas with high altitude, high rainfall and mean low winter temperature and this makes the agriculture of such areas and its management altogether different.
- The degree of awareness of the farmers of the region about today's cutting edge technology in agriculture was drastically lower.

To make agricultural education and research of much more relevance in the context of the needs, the socio-economic and cultural milieu of the region and keeping in mind the persistent representations from various quarters of the North Coastal Andhra Pradesh, the Government of Andhra Pradesh resolved to start a new Agricultural College at Naira in Srikakulam District on 7$^{th}$ August, 1989, specifically to cater to the needs and aspirations of the people of the districts of

Srikakulam, Vizianagaram and Visakhapatnam and the upland areas of the district of East Godavari.

The College shifted to its own premises in late 1994 and does have today the main building, administrative office, and well equipped laboratories of the Departments, hostels, library with a large collection, play grounds, indoor games facilities, state of the art gymnasia and an excellent farm sprawling over an area of 251acres.

**Vision of the College:**

**Short term**

- Launching of P G programme in all the Departments
- Development of e-content in all core courses of all the Departments
- Establishment of CAFT (Centre for Advanced Faculty Training) centre

**Long Term**

- Launching of Ph. D programme in all the Departments
- Establishment of Agri-Entrepreneur incubation centre

**Goals and objectives of the college:**

- To impart agricultural education at Graduate and Post graduate level to generate trained quality human resources in the Agriculture Sector.
- To render extension of modern technologies in the field of agriculture to the local populace.
- To create awareness among the local farming community on technological advances to reap better harvest.
- To work in tandem with the Officers of the State Department of Agriculture and the line Departments on modern, improved and new technologies developed by the College and the University.
- To bring agricultural education and counselling to the local farming community much nearer.

The college has more than realized its principal goal and became an icon in agricultural education at Under Graduate level, besides providing technical expertise in the field of agriculture in the region through various extension activities.

Coinciding with the booming passage of two decades of establishment of Agricultural College, Naira, a modest beginning was made by ANGRAU to start Post Graduation programme in the department of Agronomy from the academic year 2010-11 and Genetics and Plant Breeding. In tune with this step forward, four seats each have been allocated to the Department of Agronomy and Genetics and Plant Breeding from the academic year 2010-11. However, the PG programme in Genetics and Plant Breeding has been temporarily suspended from the academic year2015-16. Since then, the PG programme in Agronomy has been on its track and as of now ten batches have been admitted into PG programme at this college and the first eight batch students were awarded master's degree, majoring in Agronomy. During the academic year 2016-17, PG programme has been initiated in the Dept. of Entomology and is continuing uninterrupted since then.

The College does have a highly qualified, talented and dedicated faculty. The faculty rendered a great deal of service and so the students of the College could come out with flying colours in both studies and extra-curricular activities.

The students could complete as OGPA toppers among all the Colleges of the University. They were selected in ICAR Junior Research Fellowship examination and also in CAT for admission to IIM's. A number of them could find placement in Civil Services like IAS, IRS and IFS state civil services (Group-I). A large number of them pursued doctoral studies in prestigious Universities in India and even abroad too and working as scientists/professors across the globe.

## 6.4.1 Brief History of the Degree Programme:

A four years under graduate degree programme B. Sc. (Agriculture) was started at agricultural College Naira, Srikakulam Andhra Pradesh on 7$^{th}$ August, 1989 and post graduation in the Departments of Agronomy and Genetics and Plant Breeding was introduced to the College in the academic year 2010-2011 while Entomology was added during 2016-2017.

| Programme | | Duration | Year of starting |
|---|---|---|---|
| UG | B. Sc. (Hons)Agriculture | Four years | 1989 |
| PG | M. Sc. (Agriculture) | Two years | 2010 |

**Objectives of the Degree programme**:

- To impart quality education at UG and PG level in tune with the perceptions of ICAR and as per the recommendations of the Deans' committees from time to time.
- To generate well qualified and trained human resources in agriculture by adopting academic modules to suits to emerging issues of contemporary times.
- To provide hands on training and entrepreneurial skills to students there by making them as job providers rather than job seekers.
- To generate human resources in the field of agriculture to cater the needs of the farmers, industry and public sector.
- To inculcate interest and sensitize the students towards emerging societal needs responsibilities, accountability and transparency.
- To orient the students to understand the issues with which the current day Agriculture is confronting and to infuse the abilities to address these issues.
- To encourage the students to pursue higher education in the field of agriculture, agri-business and allied areas.

**Accomplishments:**

- So far 1510 students (929 boys and 581 girls) of 28 batches graduated from this campus out of 1752 students with very impressive pass percent of 86.2.and the pass percent of girls is 88.7 this is 8 percent higher over boys is another notable thing at this campus.
- Till to date 45 students(24-Agronomy, 17-Genetics and plant breeding and 04-Entomology) completed their post graduation at this campus.
- The students graduated from this College since inception and pursuing their career in various sectors based on information that the College could gather is presented in the following table.

| Sl. No. | Sector | No. of students working |
|---|---|---|
| 1 | University Teachers and Scientists (including ICAR) | 75 |
| 2 | Banking Sector | 138 |
| 3 | Government Services (FCI, NSC, Central warehousing, APPSC, APSSDC and Dept. of Agriculture) | 350 |
| 4 | Self employment | 75 |
| 5 | Settled abroad | 50 |
| 6 | Management professionals | 64 |
| 7 | Private Sector (Fertilizer, Pesticides & Other Agri input industries) | 321 |
| 8 | All India Services (IRS, IFS etc) | 10 |
| 9 | Group Services of State | 9 |
| 10 | Doctorates | 67 |

## Alumni of the college in high positions (Public and Private sectors)

| Sl. No. | Name of the Student | Serving as |
|---|---|---|
| 1 | Sri. S. Dilli Rao | Indian Administrative Sevice |
| 2 | Sri. D. Satish | Indian Revenue Service |
| 3 | Sri. R.A. Praveen Kumar | Indian Revenue Service |
| 4 | Sri.P.Rajasekher | Indian Forest Service |
| 5 | Sri.K.Pratap | Indian Forest Service |
| 6 | Sri. S. Rambabu | Indian Forest Service |
| 7 | Sri. P. Rajendra Naidu | Indian Forest Service |
| 8 | Sri. V. Kiran Babu | Indian Forest Service |
| 9 | Sri. Rohita Kumar Lenka | Indian Forest Service |
| 10 | Sri.S.Venkatesh | Indian Forest Service Conferred |
| 11 | Smt.G.V.Prasoonamba | Indian Forest Service Conferred |
| 12 | Mrs. R.V. Padmaja | Group I Services in Government of A.P. |
| 13 | Sri.K.Sivaprasad | Group I Services in Government of A.P. |
| 14 | Dr.G.Dileepkumar | Global Leader, IOWA State University |
| 15 | Dr.G.Kalyan Chakravarthy | Account Manager for Asia.Wageningen University and Research (WUR) |
| 16 | Sri.S Gopikrishna | President, YES Bank |
| 17 | Sri.K.Phalguna Rao | Country Head FMC Corporation |
| 18 | Dr. Netaji SVSRK | Managing Director, Sindhu Seeds & Crop Innovations |
| 19 | Sri.CAS NAIDU | National Manager - Marketing at ADAMA India |
| 20 | Sri.A.Rama Ch andra | Managing Director,Green Morning Horticulture Pvt Ltd, Hyderabad. |
| 21 | Sri.V.Ravi Kumar, | National Manager (Sales) -Algaenergy. South Asia |
| 22 | Dr.D.H. Sudhakar Naidu | Research Officer,Univ. of Saskatchewan, Saskatoon, Canada |
| 23 | Sri. Madan Mohan G | General Manager - Market Development at FMC Corporation |

## Academic Accomplishments (2015-20):
## Student performance in national examinations

| S. No. | Academic Year | JRF | Non- JRF | ANGRAU | Management Institutions | SRF | Non-SRF |
|---|---|---|---|---|---|---|---|
| 1 | 2015-16 | 2 | 5 | 9 | 0 | 2 | 6 |
| 2 | 2016-17 | 1 | 9 | 11 | 7 | 1 | 7 |
| 3 | 2017-18 | 1 | 17 | 21 | 8 | 2 | 3 |
| 4 | 2018-19 | 2 | 7 | 8 | 8 | 1 | 0 |
| 5 | 2019-20 | 9 | 16 | 11 | 9 | 0 | 0 |

### Student placement profile

| S. No. | Placement year | Private firms | Banking Institutions | TA/RA | Govt. Sector | TOTAL |
|---|---|---|---|---|---|---|
| 1 | 2015-16 | 5 | 6 | 1 | 28 | 40 |
| 2 | 2016-17 | 5 | 5 | 6 | 27 | 42 |
| 3 | 2017-18 | 3 | 8 | 0 | 43 | 54 |
| 4 | 2018-19 | 2 | 0 | 0 | 55 | 57 |
| 5 | 2019-20 | 0 | 0 | 1 | 28 | 29 |

Awards recognitions/ Certificates:

| S. No. | Academic Year | Name of the Student | Name of the Award | Category |
|---|---|---|---|---|
| 1 | 2015-16 | Somwya Ranjan Satapathy | Malla Jagannadam Memorial Prize RARS, Anakapalle | Highest OGPA |
| 2 | 2015-16 | Somwya Ranjan Satapathy | Kinjarapu Yerramnaidu Award of Gold Medal | Highest OGPA |
| 3 | 2015-16 | Somwya Ranjan Satapathy | Srikakulam District Industrial and Commercial Exhibition Society | Highest OGPA |
| 4 | 2015-16 | Somwya Ranjan Satapathy | Mani Mannar Memorial Gold Medal Award | Highest OGPA |
| 5 | 2016-17 | Sowmya Sthitha Pragyan | Malla Jagannadam Memorial Prize RARS, Anakapalle | Highest OGPA |
| 6 | 2016-17 | Sowmya Sthitha Pragyan | Kinjarapu Yerramnaidu Award of Gold Medal | Highest OGPA |
| 7 | 2016-17 | Sowmya Sthitha Pragyan | Srikakulam District Industrial and Commercial Exhibition Society | Highest OGPA |
| 8 | 2016-17 | Sowmya Sthitha Pragyan | Mani Mannar Memorial Gold Medal Award | Highest OGPA |
| 9 | 2018-19 | Ms.G.Sandhya Sree | Malla Jagannadam Memorial Prize RARS, Anakapalle | Highest OGPA |
| 10 | 2018-19 | Ms. G. Sanjana | “Techno-strategic interventions for Profitable Agriculture at NCPGS-2018 | Best Oral Presentation award |

| | | | | |
|---|---|---|---|---|
| 11 | 2018-19 | Ms.I. Bhargavi | Malla Jagannadam Memorial Prize RARS, Anakapalle | Highest OGPA |
| 12 | 2018-19 | Ms.I. Bhargavi | Best Student Award, Agricultural College, Naira | All round performance |
| 13 | 2019-20 | Ms. Sowmya R | Best Student Award, Agricultural College, Naira | All round performance |

## Students Selected for Bayer fellowships during 2019-20:

| | |
|---|---|
| 1 | Anjusree .B |
| 2 | Likhitha .G |
| 3 | Rakesh.R |
| 4 | Eswara Sai Prasad G.E.Ch |

## Student Recognitions:

| S. No. | Year | Name of the event & Place | Recognition |
|---|---|---|---|
| 1 | 2019 | Agri Carnival, Guntur | Bagged overall First Position in the event |
| 2 | 2019 | District level inter collegiate debate competitions under Garimella foundation Srikakulam | Received first prize in Telugu debate, elocution and Poetry |

## 6.4.2. Faculty Strength on 31-08-2020:

| S. No | Name of the post | Sanctioned strength | Faculty In position | Vacant Position | Recommendations of V$^{th}$ Dean's Committee |
|---|---|---|---|---|---|
| 1 | Professor | 01 | 01+ 06(CAS Prof.) | Nil | 03 |
| 2 | Associate Professor | 11 | 05 | Nil (6 CAS Prof. are adjusted) | 08 |
| 3 | Assistant Professor | 21 | 15+ 04(Teaching Assoc.) +02 (Teaching Asst.) | Nil (4 Teaching Assoc.+2 Teaching Asst. working) | 34 |
| 4 | **TOTAL** | **33** | **33** | **Nil** | **45** |

## Faculty Position during 2015-2020:

| S. No | Name of the post | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
|---|---|---|---|---|---|---|
| 1 | Professor | 02 | 02 | 05 | 05 | 07 |
| 2 | Associate Professor | 02 | 02 | 02 | 08 | 06 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | Assistant Professor | 14 | 15 | 18 | 12 | 13 |
| | Total | **18** | **19** | **25** | **26** | **27** |
| 4 | Teaching Associates/ Assistants | 05 | 05 | 06 | 06 | 06 |
| | **Grand Total** | **23** | **24** | **31** | **32** | **33** |

## Department wise Faculty positions :

| Department | No of Faculty positions sanctioned (No.) | | | | Faculty positions filled (No.) | | | |
|---|---|---|---|---|---|---|---|---|
| | Professor | Assoc . Prof. | Asst. Prof. | Total | Professor | Assoc . Prof. | Asst. Prof. | Total |
| Associate Dean | 1 | -- | -- | 1 | 1 | -- | -- | 1 |
| Agronomy (including Farm Superintendent ) | -- | 1 | 3 | 4 | -- | 1 | 3 | 4 |
| Genetics & Plant Breeding | -- | 1 | 2 | 3 | -- | 1 | 1 | 2 |
| Soil Science & Agricultural Chemistry | -- | 1 | 2 | 3 | -- | 1 | 1 | 2 |
| Entomology | -- | 1 | 2 | 3 | -- | 1 | 2 | 3 |
| Agricultural Economics | -- | 1 | 1 | 2 | -- | 1 | 1 | 2 |
| Agricultural Engineering | -- | 1 | 1 | 2 | -- | 1 | -- | 1 |
| Plant Physiology | -- | 1 | 1 | 2 | -- | 1 | -- | 1 |
| Plant Pathology | -- | 1 | 1 | 2 | -- | 1 | 1 | 2 |
| Agricultural Extension | -- | 1 | 1 | 2 | -- | 1 | 1 | 2 |
| Statistics & Mathematics | -- | 1 | -- | 1 | 0 | 1 | 0 | 1 |
| Bio-Chemistry | -- | -- | 1 | 1 | -- | -- | 1 | 1 |
| Microbiology & Bio-energy | -- | -- | 1 | 1 | -- | -- | 1 | 1 |
| English | -- | -- | 1 | 1 | -- | -- | -- | -- |
| Horticulture | -- | 1 | 1 | 2 | -- | 1 | 1 | 2 |
| Animal Husbandry | -- | -- | 1 | 1 | -- | -- | -- | -- |
| Library | -- | -- | 1 | 1 | -- | -- | 1 | 1 |
| Physical Education | -- | -- | 1 | 1 | -- | -- | 1 | 1 |
| **Total** | **01** | **11** | **21** | **33** | **01** | **11** | **15** | **27** |

## Faculty Profile (Dept. Wise):

### Agronomy

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| 1 | Dr.A.V.Ramana | Associate Dean | OBC | Ph.D | 27 years | U.G&P.G |
| 2 | Dr. A. Upendra Rao | Professor (CAS) | OBC | Ph.D. | 18 years and 7 months | U.G& P.G |
| 3 | Sri. B Rajendra Kumar | Asst. Professor | OBC | M.Sc. (Ag.) | 9 years | U.G& P.G |
| 4 | Dr. M.Srinivasa Rao | Asst. Professor | OBC | Ph.D. | 2 years and 11 months | U.G& Farm |
| 5 | Dr. B. Jyothi Basu | Asst. Professor | OBC | Ph.D. | 3 years | U.G |

### Genetics and Plant Breeding

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| 1 | Dr. A. Appala Swamy | Professor (CAS) | OBC | Ph.D. | 21 years and 11 months | U.G |
| 2 | Dr. M. Srinivasa Rao | Asst. Professor | SC | Ph.D. | 3 years | U.G |

### Soil Science and Agricultural Chemistry

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| 1 | Dr. P. Gurumurthy | Professor | OBC | Ph.D. | 18 years and 09 months | U.G& P.G |
| **2** | K.C. Nataraja | Asst. Professor | OC | M.Sc. (Ag.) | 6 years and 6 Months | U.G& P.G |

### Entomology

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| **1** | Dr. Sanyasi Dhurua | Professor | ST | Ph.D. | 20 Years and 3 Months | U.G& P.G |
| **2** | Dr. P. Seetharamu | Associate Professor (CAS) | OBC | Ph.D. | 13 Years and 11 Months | U.G& P.G |
| **3.** | Sri. D. Anil Kumar | Associate Professor | SC | M.Sc. (Ag.) | 21 years and 10 months | U.G& P.G |
| **4.** | N.Sreesandhya | Assistant Professor | SC | M.Sc. (Ag.) | 8 Years and 11 Months | U.G& PG |

## Agricultural Economics

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| 1 | Dr.N.Sunanda | Associate Professor | OBC | Ph.D. | 13 years and 7 months | U.G |
| 2 | Dr. V.Rajendra Prasad | Associate Professor | OBC | Ph.D. | 13 years | U.G |

## Agricultural Engineering

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| **1** | M. Karunya | Assistant professor | SC | M.Sc. (Ag.) | 3 years | U.G |

## Crop Physiology

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| **1** | Dr. B. Santhosh | Assistant professor | ST | Ph.D. | 2 years and 11 months | U.G |

## Plant Pathology

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| **1** | Dr. M.Suresh | Associate Professor | OBC | Ph.D. | 13 Years and 2 months | U.G& P.G |
| **2** | Dr. S.Ramesh Babu | Asst. Professor | OBC | Ph.D. | 3 Years | U.G& P.G |

## Horticulture

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| **1** | N.Bharathi | Assistant Professor | OBC | M.Sc (Hort.) | 07 years | U.G |
| **2** | Dr. Lakshmi Durga M | Asst. Professor | OC | Ph.D. | 2 years and 11 months | U.G |

## Agricultural Extension

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| **1** | Dr. M.Suresh Kumar | Professor | OC | Ph.D. | 22 years | U.G |
| **2** | Dr. S.Neelaveni | Associate Professor | OBC | Ph.D. | 13 years | U.G |

**Biochemistry**

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| 1 | Dr. D. Sudhakara Rao | Associate Professor | SC | Ph.D. | 13 years | U.G |

**Statistics & Computer Applications**

| S. No | Name of the faculty | Designation | Social status | Educational Qualification | Service in the University | Assigned programmes |
|---|---|---|---|---|---|---|
| 1 | Dr. G.Mohan Naidu | Professor (CAS) | OC | Ph.D. | 18 years and 10 months | U.G& P.G |
| 2 | Dr. S.Govinda Rao | Asst. Professor | OBC | Ph.D. | 6 Years and 6 months | U.G& Library |

The present faculty strength and profile in most of the departments is sufficient enough to carry out the Under Graduate academic activities of the college effectively.

## 6.4.3 Technical and supporting staff (Including farm):

| S. No | Name of the post | Sanctioned strength | In position | Vacant |
|---|---|---|---|---|
| 1 | Assistant Executive Engineer | 1 | 1 | 0 |
| 2 | Administrative Officer | 1 | 1 | 0 |
| 3 | Superintendent | 1 | 1 | 0 |
| 4 | Senior Assistant | 2 | 2 | 0 |
| 5 | Care Taker (Senior Asst.) | 1 | 1 | 0 |
| 6 | Junior Assistant cum Typist | 1 | 1 | 0 |
| 7 | L.D.Steno | 1 | 1 | 0 |
| | Junior Library Assistant | 1 | 1 | 0 |
| 8 | Store Keeper (JACT) | 1 | 1 | 0 |
| 9 | A.E.O | 1 | 1 | 0 |
| 10 | Driver (Tractor/Jeep/Bus) | 4 | 4 | 0 |
| 11 | Field Supervisor | 3 | 0 | 3 |
| 12 | Roneo Operator | 1 | 1 | 0 |
| 13 | Record Assistants | 11 | 10 | 1 |
| 14 | Shelf Assistant | 2 | 1 | 1 |
| 15 | Office Subordinate | 12 | 6 | 6 |
| 16 | Cook | 2 | 1 | 1 |
| 17 | Scavenger | 1 | 1 | 0 |
| 18 | Sweeper | 2 | 0 | 2 |
| 19 | Agril. Workmen | 2 | 0 | 2 |
| 20 | Watchman | 6 | 2 | 4 |
| 21 | Ground Man | 1 | 1 | 0 |
| 22 | Ward Boy | 1 | 0 | 1 |
| 23 | Waitors | 2 | 1 | 1 |

| S.No | Name of the post | Positions as per the ICAR Recommendations | Existing Strength | Deviation |
|---|---|---|---|---|
| 1 | LAB Assistants | 19 | 10 skilled timescale employees assisting in labs | 09 |
| 2 | Record Assistant | 11 | 10 | 01 |
| 3 | Field Staff | 13 | 01(12 skilled timescale employees assisting in field) | Nil |
| 4 | Total | 43 | 33 | 10 |

| S.No | Type of Man power | Total number | Numbers engaged on regular basis for farm operations |
|---|---|---|---|
| 1 | Time scale employees (Men & Women) | 134 | Watch & ward, Agricultural operations, other farm activities, PG research experiments etc., |

## 6.4.4 Classrooms and Laboratories:

This college is having spacious well ventilated eight class rooms for UG and two for PG for conducting theory classes. Practical classes of UG and PG courses are conducted in the laboratory facilities available in respective departments, College Farm and Central Instrumentation Cell. Most of the Departments in the college having sufficient well equipped laboratories for conducting practical classes effectively. Students usually get good practical exposure and hands on training at this college.

| Programme | Number of Classrooms | Number of Functional Laboratories | Justification |
|---|---|---|---|
| B. Sc (Hons) Agriculture | 08 (2400$m^2$) | 13 (5500$m^2$) + 1 Green house +Farm spreading over 150 Ac of cultivated area | All the classrooms are well equipped and all the Laboratories are functional and sufficient to conduct theory and practical classes and to provide good hands on training to U.G and PG students. |
| M. Sc. (Ag.) | 02 | 02(600$m^2$)+1(Central instrumentation cell)+Farm | |

## Department-wise laboratories established.

| Sl. No. | Department | Name of the Laboratories |
|---|---|---|
| 1 | Agronomy | UG & PG Lab |
| 2 | Genetics & Plant Breeding | Cytogenetics & Plant Breeding Lab |
| 3 | Soil Science & Agricultural Chemistry | Soil Science & Agricultural Chemistry Lab |
| 4 | Bio-chemistry | Bio-chemistry Lab |
| 5 | Entomology | UG & PG Lab |
| 6&7 | Plant Pathology | Plant Pathology Lab |
| | | Microbiology Lab |
| 8 | Crop Physiology | Crop Physiology Lab |
| 9 | Agricultural Engineering | Agricultural Engineering Lab |
| 10 | Horticulture | Horticulture Lab |
| 11 | Agricultural Economics | Agricultural Economics Lab |
| 12 | Agricultural Extension | Audio visual Lab |
| 13 | Statistics & Mathematics | Computer Lab |
| 14 | Central instrumentation cell | |
| 15 | Green house | |

## List of major Equipments / Laboratories / Farm facilties / Workshops / other institutional units utilized for award of degree programmes

## List of equipment for Undergraduate Programme(Department wise):

## Agronomy:

| S.No | Name of the equipment | No of units |
|---|---|---|
| 1 | Rapid moisture meter | 2 |
| 2 | Lux meter | 1 |
| 3 | Laptop Computer( Compaq Presario-C 738 TU) | 1 |
| 4 | Barometers(Aneroid type – 100mm dia0 | 2 |
| 5 | Tensio meters | 2 |
| 6 | LCD projector (Sony make) along with screen and stand | 1 |
| 7 | Laboratory willy mill | 1 |
| 8 | Spectophotometer | 1 |
| 9 | Miniature models of agricultural implements | 21 |
| 10 | Portable electronic balance | 1 |
| 11 | Hot air oven | 1 |
| 12 | Digital temperature control cum Indicator for hotair oven | 1 |
| 13 | Lenova compuer | 1 |
| 14 | Conductivity meter, VSI Make | 1 |
| 15 | PH Meter, VSI Make | 1 |
| 16 | Compac computer | 1 |
| 17 | Kemi hot air oven | 1 |
| 18 | Sony LCD Projector | 1 |
| 19 | Soil moisture and PH Meter | 1 |
| 20 | Dickey john's Multi grain Moisture Meter | 2 |
| 21 | Runoff stage level recorder | 1 |
| 22 | Soil auger (screw type) | 6 |
| 23 | Refractometer (Abbes type) | 2 |
| 24 | Thermister thermometer | 3 |
| 25 | Barograph | 1 |
| 26 | Cup counter anemometer | 1 |
| 27 | Infra red moisture balance | 1 |
| 28 | Infra red thermo meter | 1 |
| 29 | Psychrometer | 1 |
| 30 | Light meter | 1 |
| 31 | Double ring infiltrometer | 2 |
| 32 | Water meter 2'' | 1 |
| 33 | Run off stage level recorder | 1 |
| 34 | Parshall flume | 2 |
| 35 | Hot air oven | 1 |

**Genetics and plant breeding**:

| S.No | Name of the equipment | No of units |
|---|---|---|
| 1 | Dissection Microscope (ASCO) | 45 |
| 2 | Olympus Student Microscope | 35 |
| 3 | Student Analytical Balance | 01 |
| 4 | Agrosaw Illuminated Purity work board | 06 |
| 5 | Agrosaw Grain divider | 02 |
| 6 | Agrosaw Seed Sampling Triers | 04 |
| 7 | Infrared digital moisture meter | 02 |
| 8 | Binocular Research Microscope | 03 |
| 9 | LCD projector Sony | 01 |
| 10 | KEMI Tissue culture racks | 01 |
| 11 | Labtop dual chamber micro controller based plant growth chamber | 01 |
| 12 | Camera Lucida – Prism and Mirror type | 02 |

**Soil Science & Agricultural Chemistry:**

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Atomic Absorption Spectrophotometer (AAS) | 1 |
| 2 | UV Spectrophotometer | 1 |
| 3 | Kel Plus – Nitrogen Analyzer | 1 |
| 4 | Flame Photometer | 1 |
| 5 | Millipore - Water distillation Unit | 1 |
| 6 | pH meter | 2 |
| 7 | Electrical Conductivity meter | 2 |
| 8 | Yoder's apparatus | 1 |
| 9 | Double Ring infiltrometer | 1 |
| 10 | Centrifuge | 1 |
| 11 | Orbital Shaking incubator | 1 |
| 12 | Deep freezer | 1 |
| 13 | Muffle furnace | 1 |
| 14 | Micro balance | 1 |
| 15 | Fume cupboard chamber | 1 |
| 16 | Core Sampler | 1 |
| 17 | Hot air oven | 1 |
| 18 | Hot plate | 1 |

**Entomology:**

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Stereo Zoom Microscope with image analyser | 1 |
| 2 | Stereo Zoom Microscope | 1 |
| 3 | Magnoscopes (Bench Magnifiers) | 16 |
| 4 | KEMI B.O.D Incubator | 1 |
| 5 | PC based UV-VIS Spectrophotometer Model-119 | 1 |
| 6 | Electronic Digital Balance | 2 |
| 7 | Micro Syringe Applicator with Needle | 2 |
| 8 | REMI medico Plus Centrifuge | 1 |
| 9 | REMI Compact Cooling Centrifuge | 1 |
| 10 | KEMI Laminar Air Flow Cabinet | 1 |
| 11 | KEMI Hot Air Oven | 1 |
| 12 | KEMI Autoclave | 1 |

**Plant Pathology:**

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Refrigerated incubator cum shaker | 1 |
| 2 | Micropipettes | 1 set |
| 3 | Trinocular Microscope-Camera attached | 1 |
| 4 | BOD incubator | 1 |
| 5 | Single distillation apparatus | 1 |
| 6 | pH meter | 1 |
| 7 | Digital electronic balance-internal | 1 |
| 8 | EC meter | 2 |
| 9 | Hot Air Oven | 1 |
| 10 | Autoclave vertical | 1 |
| 11 | Laminar air flow chamber | 2 |

**Crop Physiology:**

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Compound Microscopes | 13 |
| 2 | Stereo Microscopes | 03 |
| 3 | Seed Germinator | 01 |
| 4 | Hot air oven | 01 |
| 5 | Microtome | 01 |
| 6 | Leaf area meter (Digital) | 01 |
| 7 | UV-VIS Spectrophotometer | 01 |
| 8 | Electronic Digital Balance | 2 |
| 9 | Centrifuge | 01 |

**Agricultural Engineering :**

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Theodolite | 1 |
| 2 | Current meter | 1 |
| 3 | Weighing balance (1000g) | 1 |
| 4 | SPV Lightening system | 1 |
| 5 | Solar water heater | 1 |
| 6 | Newton mini floor machine | 1 |
| 7 | Ignition cut models | 1 |
| 8 | Fuel supply cut models | 1 |
| 9 | Parshall flume | 2 |
| 10 | Gear box cut model | 1 |
| 11 | 2-stroke petrol and desiel I.C. Engine | 1 each |
| 12 | 4-stroke petrol and desiel I.C. Engine | 1each |

**Horticulture:**

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Budding knife with budder | 20 |
| 2 | Budding cum Grafting knife | 26 |
| 3 | Hand Refractometer | 02 |
| 4 | Vijaya Oven for Baking | 01 |
| 5 | Hot air oven (60 x 60 x 60 cm) | 01 |
| 6 | ABBE – Refractometer | 01 |
| 7 | Stereo binocular microscope | 01 |
| 8 | L.G. Refrigerator (175 lts) | 01 |
| 9 | Sony Digital still camera | 01 |
| 10 | HP 1020 plus Laser printer | 01 |
| 11 | Computer desktop intel cane E2180 | 01 |
| 12 | Sanyo LCD Projector | 01 |
| 13 | Compaq 620/ intel core lap top | 01 |
| 14 | Butterfly mixer grinder | 01 |
| 15 | 4x6 LCD Projector screen | 01 |
| 16 | Electronic balance | 03 |
| 17 | Personal computer with SVGA colour monitor & its software. | 01 |
| 18 | Propagation polythene tunnel | 01 |
| 19 | Hot air oven | 01 |
| 20 | Secatures | 57 |
| 21 | INFOCUS class room projector | 01 |
| 22 | Hand Refractometer 0-32% | 03 |
| 23 | Hand Refractometer 58-92% | 02 |
| 24 | Double seaming machine (Elec) | 01 |

**Statistics and Computer applications:**

| S.No. | Name of the Item | No. of Units |
|---|---|---|
| 1 | Desk Top Computers | 35 |
| 2 | Laptop computers | 02 |
| 3 | Scanners | 02 |
| 4 | HP Laserjet printers | 01 |
| 5 | LCD Projector | 02 |

**Instructional farm:**

Agricultural College Naira is known for its well layed out farm spreading over 251 acres. It was supported by Vamsadhara lift irrigation and cannal command to some extent. The predominant soil of Naira is sandy clay loam is suitable for cultivation of rice during kharif and fallow pulses during rabi. The college is also having sizeable area under Mango, guva and cashew orchards. Year round maintenance of crop cafeteria by the students is the uniqueness of the college. This college is very famous among the farmers because of its quality seed production and supply to farmers. The farm also having enough farm equipments, machinery and processing units for the purpose.

| Sl.No. | Area under utilisation | Extent (ac) |
|---|---|---|
| **I** | **Total area** | **251.07** |
| a) | Area alloted to KVK, Amadalavalasa | 30.00 |
| b) | Area alloted to cultivated by NRRI Cuttack (1.5 acres are them) | 1.50 |
| II | Area available with Agril. College, Naira (II-I) | 219.57 |
| IV | Land under roads, Buildings, Play, ground, Hostels, Farm ponds, Threshing floor, Irrigation channels etc., | 64.57 |
| V | **Net cultivable area (III-IV)** | **155.00** |
| | Area under orchards (Sapota, Coconut, Mango, Guava, Cashew, Jack fruit and Eucalyptus) | 55.00 |
| VI | **Net area under arable crops** | **100** |

| | |
|---|---|
| a. Open Wells | 4 No.s |
| b. Submersible wells | 4 No.s |
| c. Farm ponds | 10 No.s |
| d. Canals | 1 (Vamsadhara right canal connecting Chintada - S.S valasa to Alikam (L28)) |
| Details of farm machinery | 4 tractors( Mahindra – 2, John Deer -2)<br>All crop thresher – 1<br>Paddy Reaper - 1<br>Ferti cum seed drill -1<br>MSRI transplanters - 2 No.s<br>Brush cutter- 1 No. |
| Details of threshing yards and storage facilities | Threshing yards - 6<br>Seed Processing plants- 2<br>Seed storage Godown - 2 |
| Whether meteorological observatory | Class - B meteorological observatory |

**Central instrumentation cell:**

Central Instrumentation cell was established at the Agricultural College, Naira during 2018-19 with sophisticated equipments to cater the needs of U.G and P.G. students as well.

| S. No. | List of equipment /lab facilities | No. of Units |
|---|---|---|
| 1 | Refrigerated incubator cum shaker | 1 |
| 2 | Thermal Cycler | 1 |
| 3 | ELISA reader and Microplate washer | 1 |
| 4 | Rotary vacccum Evaporator | 1 |
| 5 | Minus 20 Deep Freezer | 1 |
| 6 | Vortex Mixture | 2 |
| 7 | Micropipettes | 7 |
| 8 | Trinocular Microscope-Stereozoom | 1 |
| 9 | BOD incubator | 2 |
| 10 | Double distillation apparatus | 1 |
| 11 | Flame photometer | 1 |
| 12 | pH meter | 1 |
| 13 | Digital electronic balance-internal | 1 |
| 14 | Leaf image analysis system | 1 |
| 15 | EC meter | 4 |
| 16 | Hot Air Oven | 1 |
| 17 | Fume Hood | 1 |
| 18 | Top loading balance | 1 |
| 19 | Single distillation unit | 1 |
| 20 | Autoclave vertical | 1 |
| 21 | Tissue culture racks | 3 |

**Number of Students in Theory and Practical Classes:**

| S. No | Name of the Programme | Total intake/years | Batch of students in theory class | Batch of students in practical class |
|---|---|---|---|---|
| 1 | B.Sc.(Hons) Agriculture | 2015-16 | | |
| | | i. First year | 98 | 48 |
| | | ii. Second year | 81 | 41 |
| | | iii. Third year | 104 | 52 |
| | | iv. Final year | 72 (RAWEP/AELP) | |
| | | 2016-17 | | |
| | | i. First year | 151 | 38 |
| | | ii. Second year | 96 | 48 |
| | | iii. Third year | 84 | 42 |
| | | iv. Final year | 104 (RAWEP/AELP) | |
| | | 2017-18 | | |
| | | i. First year | 129 | 32 |
| | | ii. Second year | 151 | 38 |
| | | iii. Third year | 96 | 48 |
| | | iv. Final year | 84 (RAWEP/AELP) | |
| | | 2018-19 | | |
| | | i. First year | 107 | 27 |
| | | ii. Second year | 129 | 32 |
| | | iii. Third year | 151 | 38 |
| | | iv. Final year | 96 (RAWEP/AELP) | |
| | | 2019-2020 | | |
| | | i. First year | 144 | 36 |
| | | ii. Second year | 107 | 27 |
| | | iii. Third year | 129 | 32 |
| | | iv. Final year | 75 (RAWEP), 76 (ELP) | |
| 2 | M. Sc (Agriculture) Agronomy | 2015-16 | 2 | 2 |
| | | 2016-17 | 2 | 2 |
| | | 2017-18 | 3 | 3 |
| | | 2018-19 | 3 | 3 |
| | | 2019-2020 | 3 | 3 |
| 3 | M. Sc (Agriculture) Entomology | 2015-16 | - | - |
| | | 2016-17 | 2 | 2 |
| | | 2017-18 | 2 | 2 |
| | | 2018-19 | 3 | 3 |
| | | 2019-2020 | 3 | 3 |

## 6.4.5. Conduct of Practical and Hands on Training:

Agricultural college Naira is having the reputation for hands on training to agri-graduates in the state because of its

- Location with diverse soils and crops over 251 acres farm,
- Year round maintenance of crop cafeteria,
- Dedicated faculty and well equipped labs. Students shall be exposed to establishment and maintenance of most of the field and horticultural crops, adoption of proven seed to seed package of practices.

- Students shall be exposed to optimum usage of inputs under different situations.
- Students shall be well versed with Identification of crops, weeds, pests, diseases and their management under real time situations.
- Students get exposed to usage implements and tools efficiently
- Students get exposed to different equipment usage and data collection
- Students get exposed and acquired expertise in farm mechanisation.
- Student READY programme implementation at the college is awesome across the colleges in the state.

**Department-wise information on conduct of practical and hands-on training furnished here under**

**Agronomy:**

| | |
|---|---|
| UG | ✓ Identification of different crops, weeds and tree species.<br>✓ Measurement of weather parameters and tabulation of weather data<br>✓ Identification of fertilizers, manures, seeds, varieties in different crops<br>✓ Identification of off-types and rougues in crops<br>✓ Students shall acquainted with calculating the seed rate, fertiliser dose, herbicide dose etc<br>✓ Students shall acquainted with yield estimation in different crops<br>✓ Measurement and scheduling of irrigation water<br>✓ Method and time of application of manures, fertilizers and herbicides<br>✓ Art and science of raising popular crops of the tract on sound scientific lines<br>✓ Providing opportunity to the students to have hands on experience on water, nutrient and weed management in a number of arable crops.<br>✓ Field configuration and crop establishment techniques for sole , inter, and multi- storeyed crops/systems<br>✓ Execution and operationalization multi commodity oriented integrated farming system units etc. |
| PG | ✓ Preparation of filed Lay out the field as per the statistical design.<br>✓ Collection of soil and crop data as per the requirement of experiment.<br>✓ Recording of biometric observations from various crops as per the need of the experimentation.<br>✓ Soil and plant analysis as per the experiment.<br>✓ Estimation of use efficiency of different resources like irrigation water, nutrient use etc.<br>✓ Tabulation and data analysis and interpretation of data using different statistical tools<br>✓ Documentation of experimental results discussing the result for drawing logical inferences.<br>✓ Collection, compilation and reviewing literature review<br>✓ Writing research and popular article. |

**Genetics and plant breeding:**

- ✓ The Department of genetics and plant breeding is having two laboratories, one for genetics and plant breeding and another for seed technology. The students of Fundamentals of genetics course will practice the slide preparation for mitosis and meiosis and observe different stages practically.
- ✓ The students of fundamentals of plant breeding will practically participate the hybridization techniques o for self and cross pollinated crops with the help of breeder kits. The students of crop production-I and II will practically participate in assignment mode for one crop for 4 to 5 students. The students will practice their selected crop emasculation, crossing techniques with preparation of PowerPoint and video presentations for submission as assignment.
- ✓ In seed technology laboratory, the students will get exposure regarding the seed testing aspects at laboratory level. In this manner the students who registered the courses of genetics and plant breeding will get hands on training.

**Entomology:**

| | |
|---|---|
| UG | ✓ Identification of different insects up to family level<br>✓ Dissection of mouth parts, digestive system and reproductive systems of grass hoppers, cockroaches & plant bugs<br>✓ Identification of predators, Parasitoids, weed killers & Entomopathogenic fungi in various agro-ecosystems<br>✓ Mass multiplication of *Corcyra*, *Trichogramma and* EPF*, Metarrhizium anisopliae*<br>✓ Preparation of poison baits for rodents, cutworms & fruit flies<br>✓ Rearing of crop pests and preparation of life cycles pertains to field and horticultural crops<br>✓ Preparation of Spray fluids and application techniques of spray fluids<br>✓ Safe use of pesticides<br>✓ Compatibility of different pesticides and their phytotoxic effects<br>✓ Label information ,mode of action and anti dotes of different groups of insecticides<br>✓ Chaki and late aged rearing of mulberry silkworms<br>✓ Extraction of silk from cacoon<br>✓ Rearing and maintenance of apiary |
| PG | ✓ Identification of insects and preparation of taxonomic keys<br>✓ Male genitalia dissections of leaf hoppers and moths.<br>✓ Preparation of permanent slides of antenna, legs, wings & mouth parts<br>✓ Study of lepidopteran larval chaetotaxy<br>✓ Rearing techniques of phytophagous larvae<br>✓ Life table studies of Pod borers and leaf eating caterpillars<br>✓ Estimation of chitin, carbohydrates and proteins in immature stages of insects<br>✓ Preparation of artificial diet for gram pod borer, Diamond Back Moth etc.<br>✓ Estimation of growth ratios and preparation of growth curves in insects<br>✓ Bioassay methods for assessment of toxicity of insecticides |

| | | |
|---|---|---|
| | ✓ | Probit Analysis |
| | ✓ | Agro-Ecosystem Analysis (AESA) for Paddy, Pulses, Oilseeds etc., |
| | ✓ | Hands on training on usage of equipment (Spectrophotometer, laminar air flow, trinocular microscope with image analyser & autoclave etc., in the laboratory. |
| | ✓ | Field experimental layout, data recording & data analysis |

**Plant Pathology:**

- ✓ Detection and diagnosis of various plant diseases caused by fungi, bacteria and viruses
- ✓ Field and exposure visits were organized to students to identify diseases in farmer's fields
- ✓ Micrometry, microscopy preparation of growth media and culturing of microbes
- ✓ Inoculation techniques
- ✓ Mass production of bio agents and mushrooms

**Soil Science & Agricultural Chemistry:**

- ✓ Soil sampling, plant sampling, irrigation water sampling
- ✓ Analysis for pH, EC, organic carbon, macro & micro nutrient determination.
- ✓ Interpretation of soil analysis data and soil test based fertilizer recommendations.
- ✓ Plant tissue testing for macro, secondary and micro - nutrients using both titrimetric and instrumentation technology.
- ✓ Assessing irrigation water quality by determining criteria characters like Electrical Conductivity, Sodium Absorption Ratio, Residual Sodium Concentration, Chloride concentration etc.
- ✓ Standardization and operation procedures of various instruments in the soil science laboratory Viz; pH meter, EC meter, Kelplus apparatus, Flame photometer, Spectrophotometer, Atomic Absorption Spectrometer (AAS), Tensiometers, Double Ring Infiltrometer, Yoder's apparatus, Bouoyoucos hydrometer, Core sampler andWater double distillation apparatus.

**Crop Physiology:**

- ✓ Identification of nutrient deficiencies and physiological disorders in various crop plants.
- ✓ Practical exposure on field diagnosis.
- ✓ Seed germination and seed viability/ vigor tests using butter paper, paper cloth, petri plates and pots in the laboratory.
- ✓ Leaf area measurements and growth and yield analysis of crop canopies.
- ✓ Studies on measuring chlorophyll content, photosynthesis rate and stomatal transpiration rate in crops.
- ✓ Practical studies on effect of various abiotic stress factors on crop plants.
- ✓ Morphological and anatomical studies of plants adaptation for diffenren ecological habitations.
- ✓ Studies on plant performance in controlled environments.
- ✓ Hands on training on collection, preservation of pollution samples from various sources.
- ✓ Environmental studies such as water quality assessment and studies on sound, air quality and influence of polluted environment on plant performance.
- ✓ Hands on training on usage of equipment (Spectrophotometer, leaf area meter, microscopes, seed geminator etc.) in the laboratory.
- ✓ Field experiments, data recording & data analysis.

**Horticulture:**

- ✓ Identification of Horticultural plants division wise (Fruits, Vegetables, Plantation crops, Spices and Condiments, Medicinal and aromatic plants ) to the students
- ✓ Hands of training on kitchen garden and ornamental garden layout and different methods of propagation (Seed, Cuttings, Layering, Grafting and Budding)
- ✓ Hands on training on preparation of different value added products of fruits (Jam, Jelly, Ketchup, pickles) and dry flower arrangements
- ✓ Field exposure on different layout methods and selection of site in fruit crops

- ✓ Field demonstration on different irrigation methods in horticultural crops
- ✓ Identification of different tools and implements used in horticultural crops and lawn
- ✓ Method demonstration of different planting methods of lawn
- ✓ Hands on experience on cultivation of ornamentals in shadenet, portray nursery raising and transplanting.

**Agril. Engineering.:**

- ✓ Identification of different I.C. Engine parts
- ✓ Preparation of different Green House proto type models
- ✓ Identification and working with different farm implements
- ✓ Practicing of tractor driving
- ✓ Familiar about rice trans planter and different planters.
- ✓ Practicing of spraying with different types of sprayers and dusters
- ✓ Practicing with different intercultural implements in farm
- ✓ Experimenting with solar water heater and solar dryers
- ✓ Compatibility of different pesticides and their phytotoxic effects
- ✓ Hands on training on usage of equipment (theodolite, Tapes, chains current meter, light meter, moisture meter,seed drill calibration)
- ✓ Irrigation water measurement with different models
- ✓ Designing of grassed water ways ,open channels and farm ponds.
- ✓ Preparation of contour maps
- ✓ Exposure to combine harvester
- ✓ Exposure on rice mill, dhall mill and cold storage units

**Agril Economics:**

- ✓ Exposure visits to banking institutions viz., NABARD, Lead Bank, Andhra Bank, RRB and APGVB to understand their functioning.
- ✓ Study of the functioning of Cooperative institutions like DCCB and PACS
- ✓ Students are molded to liaison with farmers on the ongoing Govt. schemes
- ✓ Visits to FCI, AMC and Rythu bazaars to know the technical aspects of quality control in bulk storage, distribution, procurement etc.
- ✓ Working out Economic Viability of Projects through case studies.

- ✓ Planning for Agricultural Development at Village level/Farmer level through Agro-Economic Survey and Farm Holding Surveys.
- ✓ An overview of Financial Statements (Balance sheet, Profit and Loss statement, Break Even analysis) through Case studies
- ✓ Assignments for presentations on current topics related to Agricultural sector supported with adequate literature and press clippings.

**Statistics and Computer Applications:**

- ✓ Applications in the Computers using Windows Operating System with Microsoft Office (Word, Excel, Power point and Access)
- ✓ Data analysis using advanced statistical tools for tests of significance
- ✓ Correlation and Regression analysis

**Details** of **RAWE Programme :**

| Year | No.of students | Number (Name of the villages allotted) |
|---|---|---|
| 2015-16 | **73** | **15(**Sitanagaram, M.Jagannadhapuram, Chuchukonda, Narayanapuaram, Arabupalam. Itlamamidipalli, Naiduvalasa, Vasadi, Badatanapalli, Kottam, Annamarajapeta. Sivannapeta, Gargaraivalasa, Venkata Bhyripuram, Paradi.) |
| 2016-17 | **101** | **18(**Sirusuvada,Nadimikkalla,Ravada,LaxmiperaChittikunakalam,Pittada, Kovvadapeta, Chinagudipeta, Govindapuram, MettavalasaDallivalasa, Thotapalli, Sivannapeta, Padabondapalli, Narayanappa, Dibbapalem, M.Jaganadhapuram, Rayapurajupeta) |
| 2017-18 | **84** | **17(**Ponduru, Kosta,Nadikuru,Pittada, Budatanapalli, Govindapuram, Vasadi, Mamdipalli, Makkuva,Mundenkhel, Nandavanivalasa,Sivannapeta,Chuchikonda, Seethanagaram, Narayanapuram, Rayapurajupeta, Arabupalem) |
| 2018-19 | **89** | **17(**M.J.Valasa ,Narayanavalasa ,Palavalasa Vasudevapatnam,Karlam ,Vasadi ,Budathanapalli ,Annamrajupeta,Sivannapeta ,Gavarampeta ,Naguru ,Raminaiduvalasa,Ravikamatam ,Dondapudi ,Vaddadi ,Bangarumetta,Mediwada) |
| 2019-20 | **144** | **32(**M.J.Valasa,Narayanavalasa,Palavalasa,,Vasudevapatnam Siripuram,Jalumuru ,Laveru,Polaki,Vasadi,Kella, Rajee Peta, Annamrajupeta, Rajipeta Gundala peta , Annamraju Peta ,Paradi,Sivannapeta ,Gangareguvlasa,Narsipuram ,angaraiyapuram ,Buddipeta ,Gangareguvalasa ,Naguru Ravikamatam ,Dondapudi,Vaddadi, Bangarumetta ,Mediwada, Kottapenta, RY Agraharam, Kintada ,Santhapalem, R Narsapuram) |

## Details of Internship:

| Year | No. of Students | Location | Duration |
|---|---|---|---|
| 2015-16 | 26 | DAATTC, Anakapalle | 27.11.2015 to 28.12.2015 |
| | 25 | DAATTC, Vizianagaram | |
| | 22 | KVK Rastakuntabai | |
| 2016-17 | 21 | DAATTC, Amadalavalasa, | 04-12-2016 to 03-01-2017 |
| | 33 | DAATTC, Vizianagaram | |
| | 24 | KVK, Rastakuntabai | |
| | 23 | DAATTC, Visakhapatnam | |
| 2017-18 | 85 | Jute Factory, Pogiri,<br>Sericulture Unit, Jallapeta, Gara Mandal,<br>Sri Seetha Rama Lakshmi Jute Mill, Palakhandyam, G. Sigadam mandal,<br>Kesava Jute Mill, Rajam, Rajam Mandal.<br>SVRG Cooperative Sugar Factory, Bheemasinghi<br>Radhika Vegtable Oils, Salur | 24.11.2017 to 23.12.2017 |
| 2018-19 | 20 | Neelamma Thalli Multi Grain Biscuit Factory, Hiramandalam, Srikakulam (dt.)<br>& Kesava Jute Mill, Rajam, Srikakulam(dt.) | 26.11.2018 to 27.12.2018 |
| | 26 | Gajapathi Co-operative Sugar Factory, Bheemasingi, Jami (M), Vizianagaram (dt.) & Sri Venkata Ramana Feed Mixing & Poultry Farms Pvt. Ltd., Karlam, Cheepurupalli (M), Vizianagaram (dt.) | |
| | 19 | Lakshmi Balaji Oil Palm Factory, Attada (Vill.), Kurupam (M), Vizianagaram (dt.) & NCS Sugars Limited, Bobbili, Vizianagaram (dt.) | |
| | 24 | D.Chodavaram Co-operative Sugars Ltd., Govada (Vill.), Chodavaram (M), Visakhapatnam (dt.) | |
| 2019-20 | 12 | Sri V.S Naidu, Managing Director, The Chodavaram Co-operative Sugars Ltd. Govada, Visakhapatnam (Dist) 531023 | 26.12.2019 to 28.01.2020 |
| | 17 | Sri P. Balakrishna, Dist Manager (Seeds), Salur, APPSSDC, Vizianagaram (Dist) | |
| | 09 | Sri K.Appa Rao, Sr.Manager, EID Parry Sugars Ltd, Sankili - 532440 | |
| | 15 | Sri A.G.V.S Prasad, Personnel Officer, Keshava Jute Mills Pvt. Ltd, Rajam - 532127 | |

## Activities performed by RAWEP students in villages (2015-16 to 2019-20):

| Year | No. of Method demonstrations conducted | No. of Group discussions organised | No. of Information Corners displayed | No. of Vocational trainings attended | No. of Rythusadassu organised at Centre level | Documentation of ITKs and Farmer Innovations | No. of Internship programmes attended |
|---|---|---|---|---|---|---|---|
| 2015-16 | 60 | 62 | 45 | 8 | 3 | 5 | 3 |
| 2016-17 | 72 | 85 | 72 | 8 | 4 | 4 | 4 |
| 2017-18 | 90 | 97 | 76 | 8 | 4 | 6 | 6 |
| 2018-19 | 92 | 102 | 82 | 8 | 4 | 2 | 6 |
| 2019-20 | 120 | 130 | 120 | 4 | 5 | 5 | 4 |
| **Total** | **434** | **476** | **395** | **36** | **20** | **22** | **23** |

### i. Details of ELP :

| Year | Nam of the Unit | No. of students | Produce generated (Mt) | Expenditure (Rs.) | Income generated (Rs.) |
|---|---|---|---|---|---|
| 2015-16 | Sweet Corn Production | 11 | 0.9 | 15185 | 92245 |
| | Vermi composting Unit-I | 09 | 4.0 | 7460 | 20000 |
| | Vermi Composting Unit –II | 09 | 4.3 | 10852 | 23500 |
| | Maize &Ragi Seed Production | 11 | 0.3 | 3389 | 67696 |
| | Mushroom Production | 10 | 0.2 | 10170 | 24500 |
| | Commercial Vegetable Production | 11 | 1.0 | 12170 | 28400 |
| | Water Melon Production | 10 | 2.5 | 9720 | 27540 |
| 2016-17 | Sweet Corn Production | 12 | 0.7 | 13650 | 70400 |
| | Vermi composting Unit-I | 10 | 4.0 | 4310 | 20942 |
| | Vermi Composting Unit –II | 10 | 4.5 | 14700 | 26000 |
| | Ragi seed production-I | 9 | 0.04 | 0 | 810 |
| | Ragi seed production-II | 8 | 0.11 | 4043 | 11010 |
| | Commercial cultivation of water melon | 10 | 4.7 | 13970 | 47000 |
| | Commercial Cultivation of Sunflower | 09 | 0.15 | 1745 | 15750 |
| | Mushroom cultivation | 07 | 0.046 | 5809 | 4600 |
| | Commercial Cultivation of Cucurbits | 09 | 0.1 | 19865 | 10000 |
| | Ground nut production | 11 | 0.14 | 10526 | 14720 |

| | | | | | |
|---|---|---|---|---|---|
| 2017-18 | Prakruthi sweet corn unit | 10 | 0.6 | 26864 | 56565 |
| | Arogya vegetable unit | 09 | 0.2 | 11268 | 2623 |
| | Surya vermi compost unit | 10 | 7.0 | 15189 | 41590 |
| | Amrutha watermelon unit | 10 | 3.6 | 15713 | 36655 |
| | Pearl mushroom unit | 11 | 0.07 | 6237 | 6875 |
| | Brundavan floriculture unit | 10 | 1.4 | 5567 | 14 432 |
| | Aditya sunflower unit | 10 | 0.02 | 9253 | 2447 |
| | Sujal cucurbits unit | 10 | 0.9 | 9306 | 9832 |
| 2018-19 | Prakruthi Sweet Corn Unit | 10 | 0.8 | 24715 | 80015 |
| | Amrutha Watermelon Unit | 10 | 5.8 | 7247 | 58710 |
| | Surya Vermi Compost Unit | 10 | 4.20 | 22532 | 34000 |
| | Arogya Vegetable Unit | 10 | 0.2 | 5655 | 21000 |
| | Brundavan Flouri Culture Unit | 10 | 0.26 | 8015 | 26000 |
| | Promotion of Multimedia in TOT | 09 | 500 posters,CDs and other | 10136 | 48660 |
| | Sujal Cucurbits Unit | 10 | 0.3 | 12976 | 31680 |
| | Pearl Mushroom Unit | 10 | 0.3 | 16820 | 32080 |
| | Surya Soil Testing Services | 10 | 180 samples @ Rs.200/- each | 5125 | 35600 |

| Year | Name of the EL Modules | Grant Received(Rs.) | No. of Students trained under EL | Product generated (Mt) | Revenue earned (Rs.) | Revolving Fund Generated (Rs.) |
|---|---|---|---|---|---|---|
| 2019-20 | Commercial Vermi Culture & Fortified vermi compost | 85708 | 16 | 4.8 | 60000 | 48000 |
| | Commercial production of economically viable microbials | 79049 | 16 | 0.42 | 58500 | 42168 |
| | Surya soil, water, plant and tissue testing | 99373 | 5 | 51samples @Rs.200/- each | 10200 | 10200 |
| | Commercial seed production of Field Crops | 62400 | 20 | 0.75 | 160000 | 75700 |
| | Commercial Horticulture Unit | 62400 | 16 | Baby Corn, and Melons | 56745 | 51090 |

## 6.4.6 Supervision of students in PG / Ph.D Programmes:

Most of the staff members in PG. Departments are highly qualified and experienced to supervise the PG students.

The Number of students being supervised by Faculty in case of Masters programmes is presented in the following table.

**Major Departments having P.G.**

**Agronomy:**

| Faculty Designation | Qualified Faculty Strength | Students Intake/ year | Guided | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| Professor | 02 | 3 | 03 | 03 | 03 | 03 | 02 |
| Associate Professor | -- | | | | | | |
| Assistant Professor | 02 | | | | | | |
| Total | 04 | | | | | | |

**Entomology:**

| Faculty Designation | Qualified Faculty Strength | Students Intake/ year | Guided | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| Professor | 01 | 3 | -- | 02 | 02 | 02 | 03 |
| Associate Professor | 01 | | | | | | |
| Assistant Professor | 02 | | | | | | |
| Total | 04 | | | | | | |

**Supporting Departments:**

**Soil Science and Agricultural Chemistry:**

| Faculty Designation | Qualified Faculty Strength | Students Intake/year | Guided(Member) | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| Professor | 01 | -- | 02 | 02 | 03 | -- | 01 |
| Associate Professor | -- | | | | | | |
| Assistant Professor | 01 | | | | | | |
| Total | 02 | | | | | | |

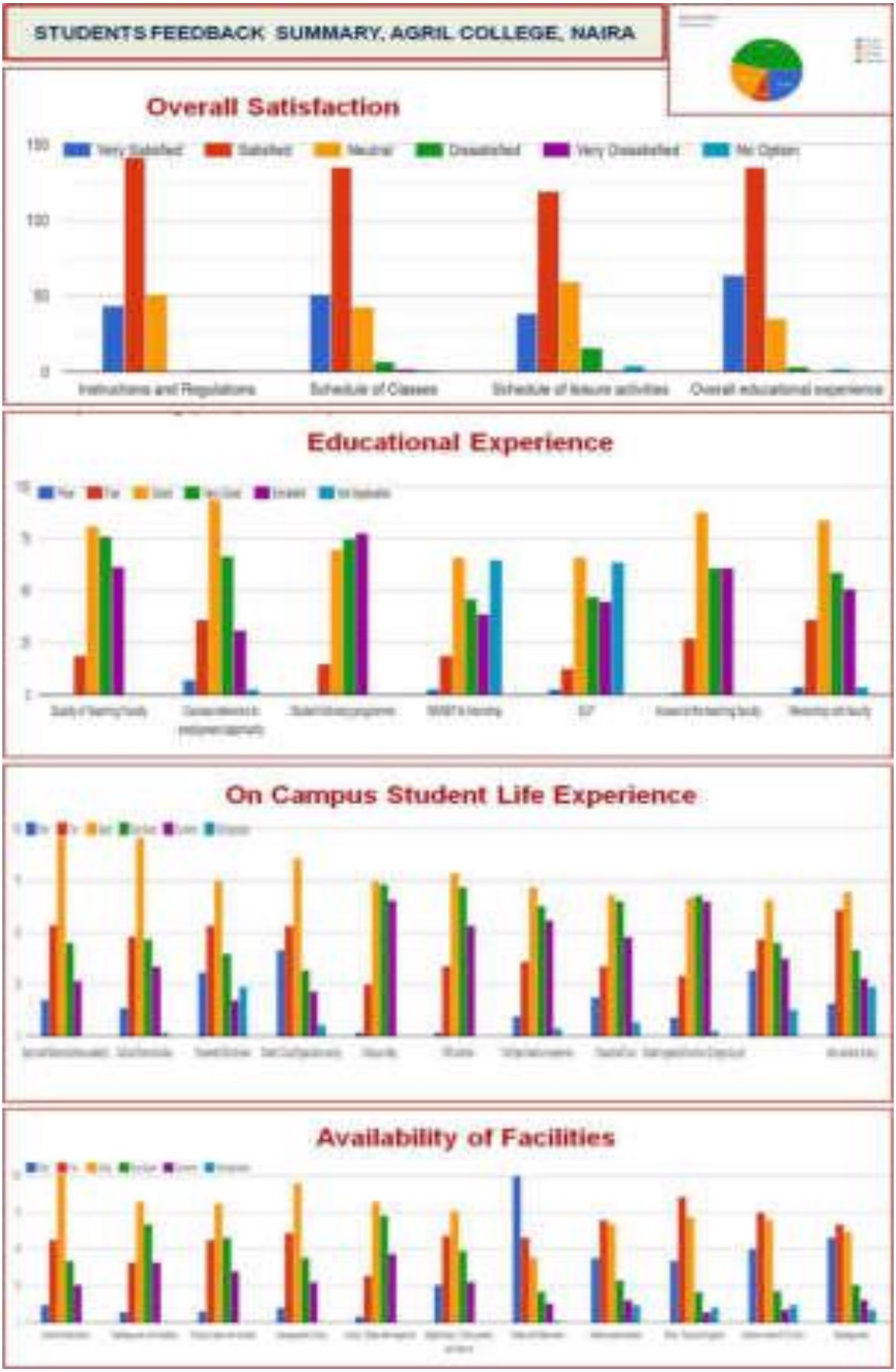
**Plant Pathology:**

| Faculty Designation | Qualified Faculty Strength | Students Intake/year | Guided(Member) | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| Professor | -- | -- | -- | -- | 02 | 02 | 03 |
| Associate Professor | 01 | | | | | | |
| Assistant Professor | -- | | | | | | |
| Total | 01 | | | | | | |

## 6.4.7 Feedback of stakeholders:

**Student Feedback:**

A feedback survey was conducted covering all the four years, using G-forms online platform. a total of 263 students participated in the feedback survey and responses were recorded in various areas *viz;* academic issues, accommodation and student facilities, campus life experience of the students, extra-curricular activities in the campus and facilities available etc. the summary of the feedback survey was provided herewith.


STUDENTS FEEDBACK SUMMARY, AGRIL COLLEGE, NAIRA
Overall Satisfaction
Very Satisfied
Satisfied
Neutral
Dissatisfied
Very Dissatisfied
No Option
150
100
50
0
Instructions and Regulations
Schedule of Classes
Schedule of leisure activities
Overall educational experience
Educational Experience
On Campus Student Life Experience
Availability of Facilities

## 6.4.8 Student intake and attrition in the programme for last five years

**Student intake and attrition in the programme for last five years:**

| Name of the Programme | Actual Student admitted in last five years | | | | | Attrition (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| B.Sc.(Hons) Agriculture | 99 | 177 | 157 | 125 | 147 | 2.02 | 14.7 | 17.8 | 14.4 | 2.1 |
| M.Sc.(Agriculture) | | | | | | | | | | |
| Agronomy | 2 | 2 | 3 | 3 | 3 | Nil | 50 | Nil | 100 | 33.4 |
| Entomology | --- | 2 | 2 | 3 | 3 | -- | Nil | Nil | Nil | Nil |

## 6.4.9 ICT Application in Curricula Delivery:

- This College is having Broad band connectivity under NME- 40MBPS-ILL of BSNL with unlimited Internet facility to the Staff and Students.
- All the departments are having Touch Screen LCD based lector system and half of the classrooms are equipped with smart technologies for effective delivery of lectures.
- Under NAHEP- Institutional Development Plan (IDP) – one classroom was made as Virtual Classroom having Wi-Fi connectivity for conducting on-line classes and interactive sessions for effective learning process.
- The College is having separate website linked to the University website to cater to the needs of the stakeholders.
- The Agricultural College is equipped with Digital Library, CeRA, printing and Xerox facilities for students and staff.
- ICT is used as per the requirement of the programme to the level of satisfaction to students.
- On the directions of the University online platforms like zoom, gotomeet, Google meet etc, are being used to conduct online classes regularly to students, *viva-voce* exams, comprehensive (oral) exams to PG students etc. So far 15 dedicated licensed zoom app connections are subscribed every month since April, 2020 to conduct various online academic activities for the benefit of student community in view of COVID-19 pandemic.

## 6.4.12 CERTIFICATE

I, the Associate Dean, Dr. A.V.Ramana hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding University.

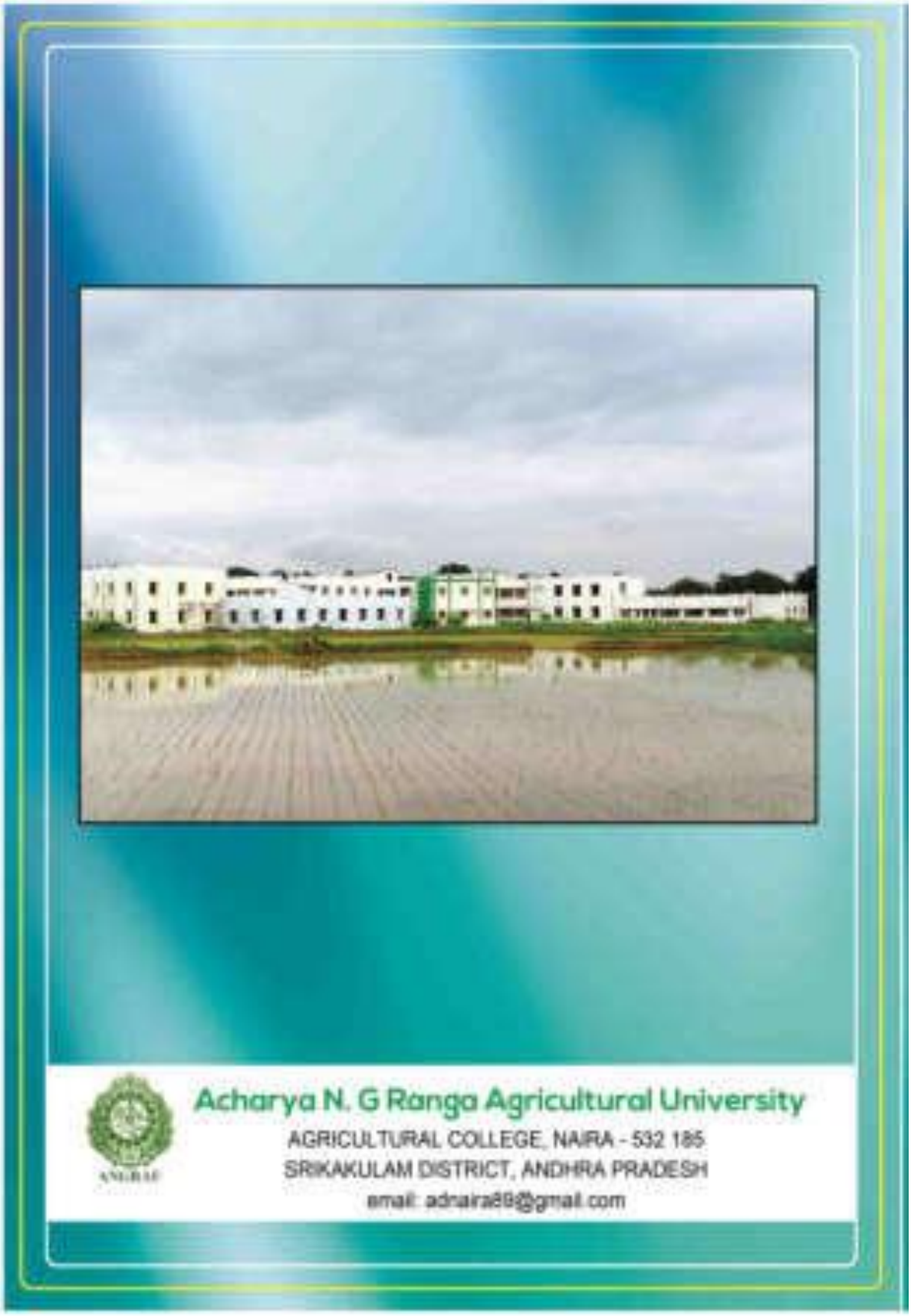
Date: 14th September, 2020.




14/9/2020

Signature of the Associate Dean & Seal

(A.V. Ramana)
Associate Dean
Agricultural College
NAIRA-532 185,
Srikakulam Dist. (A.P)


Acharya N. G Ranga Agricultural University
AGRICULTURAL COLLEGE, NAIRA - 532 185
SRIKAKULAM DISTRICT, ANDHRA PRADESH
email: adnaira89@gmail.com

# SELF STUDY REPORT

## OF PG PROGRAMME

## (AGRONOMY& ENTOMOLOGY)



Acharya N. G Ranga Agricultural University

AGRICULTURAL COLLEGE, NAIRA - 532 185

SRIKAKULAM DISTRICT, ANDHRA PRADESH




# AGRICULTURAL COLLEGE
# NAIRA

***Three Decades of Service in Agriculture***

# Self Study Report for PG accreditation of the Programmes

# Agricultural College, Naira

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# SELF STUDY REPORT OF PG PROGRAMMES, AGRICULTURAL COLLEGE, NAIRA.

## 6.4.1 BRIEF HISTORY OF THE DEGREE PROGRAMME:

Agricultural College, Naira is situated in North Coastal Andhra Pradesh. The North Coastal Andhra Pradesh comprises three northern districts of the state of Andhra Pradesh, viz., Srikakulam, Vizianagaram and Visakhapatnam. Although the economy of the region is primarily agrarian in character, the scale of exploring the natural resources base requires a special focus for reaping bountiful harvest.

The north coastal Andhra Pradesh is characteristically different from rest of the state with regard to soils, climate, physiography, cropping pattern etc.The region does possess as many as five of the six soil Orders of Soil Taxonomy found in the entire state and arehighly varied, warranting skilled management.

- A large number of crops of the area are different from those of the rest of the state e.g. mesta is an important crop of the region and so is rice-fallow pulses practiced in the region. Similar is the case with a number of vegetables, fruit crops and spices and condiments grown in the high altitude area of Visakhapatnam district.
- The region does have large areas with high attitude, high rainfall and mean low winter temperature and this makes the agriculture of such areas and its management altogether different.
- The degree of awareness of the farmers of the region about today's cutting edge technology in agriculture was drastically lower.

To make agricultural education and research of much more relevance in the context of the needs, the socio-economic and cultural milieu of the region and keeping in mind the persistent representations from various quarters of the North Coastal Andhra Pradesh, the Government of Andhra Pradesh resolved to start a new agricultural College at Naira in Srikakulam District on 7$^{th}$ August, 1989, specifically to cater to the needs and aspirations of the people of the districts of Srikakulam, Vizianagaram and Visakhapatnam and the upland areas of the district of East Godavari. The college has more than realized its principal goal and became an icon in agricultural education at Under Graduate level, besides providing technical expertise in the field of agriculture in the region through various extension activities.

Coinciding with the booming passage of two decades of establishment of Agricultural College, Naira, a modest beginning was made by ANGRAU to start Post Graduation programme in the department of Agronomy from the academic year 2010-11. In tune with this step forward, four seats have been allocated to the Department of Agronomyfrom the academic year 2010-11.Since then, the PG programme has been on its track and as of now ten batches have been admitted into PG programme at this college and the first eight batch students were awarded master's degree, majoring in Agronomy.

ThePost Graduation Programme in the Department of Entomology wasinitiatedduring the academic year 2016-17 with two seatsand since then the PG programme has been on its track. So far four batches have been admitted into PG programme in this Department and the first two batch students received their master's degree.

**Progress of PG programme in the Dept of Agronomy:**

| S.No | I.D. No. | Name | Title of the Thesis | OGPA | Remarks |
|---|---|---|---|---|---|
| **2010-11admitted batch** | | | | | |
| 1 | NAM/ 2010-001 | K. Jhansi Lakshmi Bai | Nitrogen Management for Semi-dry Rice (*Oryzasativa* L.) | 8.53 | Degree awarded |
| 2 | NAM/ 2010-002 | A. Naresh Kumar | -- | -- | Discontinued on getting Job |
| 3 | NAM/ 2010-003 | J. Ravi | Nutrient Management Studies For *Kharif* Groundnut in North Coastal Zone of Andhra Pradesh" | 7.41 | Degree awarded |
| 4 | NAM/ 2010-004 | M. SandhyaKanthi | Appraisal of Nutrient Requirement of Rice under Different Crop Establishment Techniques | 8.86 | Degree awarded |
| **2011-12 admitted batch** | | | | | |
| 1 | NAM/ 2011-001 | K. Jeevanajyothi | Nutrient management for higher productivity of *rabi*maize in North Coastal Zone of A.P | 7.88 | Degree awarded |
| 2 | NAM/ 2011-002 | S. Keerthi | Nutrient management for enhancing the productivity of sweet corn in north coastal zone of andhrapradesh" | 7.92 | Degree awarded |
| 3 | NAM/ 2011-003 | G. Ramyakanthi | Discontinued | 7.50 | Due to personal reasons |
| 4 | NAM/ 2011-004 | U. SaiSravan | Studies on improvement of system productivity through introduction of pre-kharif crops in rice | 7.95 | Degree awarded |
| **2012-13 admitted batch** | | | | | |
| 1 | NAM/ 2012-01 | V. JyothiSwarupa | Nitrogen Management in Machine Transplanted Rice | 8.96 | Degree awarded |
| 2 | NAM/ 2012-02 | E. Kiranmayee | Performance of Rice varieties with different aged seedlings under machine transplanting | 7.99 | Degree awarded |

| | | | | | |
|---|---|---|---|---|---|
| 3 | NAM/ 2012-03 | S. PoornaTeja | Nutrient management in Finger Millet | 7.20 | Degree awarded |
| 4 | NAM/ 2012-04 | P. Pushpa | Optimization of sowing window and crop density in Mesta for seed production | 8.55 | Degree awarded |
| **2013-14 admitted batch** | | | | | |
| 1 | NAM/ 2013-01 | Ms.Hemalatha. K | Weed management in semidry rice under North Coastal Conditions | 8.29 | Degree awarded |
| 2 | NAM/ 2013-02 | Mr.Pradeep Kumar. K | Potassium Management in Rice for North Coastal Zone of Andhra Pradesh | 8.47 | Degree awarded |
| 3 | NAM/ 2013-03 | Ms.Priyanka. G | Weed management in rice under mechanised system of rice intensification | 7.85 | Degree awarded |
| 4 | NAM/ 2013-04 | Ms.Sravanthi. S | Nutrient Management in Maize for North Coastal Zone under Zero Till Conditions | 8.76 | Degree awarded |
| **2014-15 admitted batch** | | | | | |
| 1 | NAM/ 2014-01 | Ms.Aliveni. A | Bio-efficacy of acifluorfen+clodinafop-propargyl on control of *Viciasativa* L. and other weeds in rice fallow blackgram | 8.75 | Degree awarded |
| 2 | NAM/ 2014-02 | Ms.Anusha. K | Nutrient management in Semi-dry Rice (*Oryzasativa* L.) for North Coastal A.P | 8.19 | Degree awarded |
| 3 | NAM/ 2014-03 | Ms. Naga Lakshmi.V | Optimization of Seed Rate and Foliar Nutrition for the seed Crop of Dhaincha under Rice-fallows | 7.69 | Degree awarded |
| 4 | NAM/ 2014-04 | Mr.Pradeep Kumar. S | Fortification of Zinc in Rice-Greengram Cropping System | 8.47 | Degree awarded |
| **2015-16 admitted batch** | | | | | |
| 1 | NAM/ 2015-01 | Ms.Deepthi. CH | Nutrient management in *rabi* sesame for North Coastal Andhra Pradesh | 8.37 | Degree awarded |
| 2 | NAM/ 2015-02 | Mr.SiddarthaNaik. B.S.S | Performance of Sorghum hybrids under different nitrogen levels in rice-fallow conditions of North Coastal A.P | 7.85 | Degree awarded |
| **2016-17 admitted batch** | | | | | |
| 1 | NAM/ 2016-01 | Ms.Antarya. G | Optimization of seed rate and foliar nutrition in rice fallow sunhemp | 8.65 | Discontinued on getting bank job |
| 2 | NAM/ 2016-02 | Ms.Ramya Sri. K | Performance of foxtail millet varieties under different N | 8.63 | Degree awarded |

| | | | | | |
|---|---|---|---|---|---|
| | | | levels in rice fallow conditions of North Coastal Andhra Pradesh | | |
| **2017-18 admittedbatch** | | | | | |
| 1 | NAM/ 2017-01 | Ms.Salomi Grace. M | Effect of foliar nutrition on yield and economics of sweet corn | 8.86 | Degree awarded |
| 2 | NAM/ 2017-02 | Ms.Sanjana. G | Studies on fertilizer requirement of rice fallow finger millet for north coastal A.P | 8.63 | Degree awarded |
| 3 | NAM-2017-03 | Mr. Suresh Kumar. B | Green seeker based nitrogen management in rice | 8.26 | Degree awarded |
| **2018-19 admitted batch** | | | | | |
| 1 | NAM/ 2018-001 | I. BhanuPriyanka | Effect of Seed rate and Foliar Nutrition on seed crop of Sunhemp in Rice-fallows | | Discontinued temporarily on getting jobs in Govtof A.P. |
| 2 | NAM/ 2018-03 | K.Susmitha | Response of Finger millet varieties to systems of crop establishment during rabi | | |
| 3 | NAM/ 2018-07 | P.VenkataRamana | Relative Performance of Real time Nitrogen Management tools to manage Nitrogen needs in Wet land Rice | | |
| **2019-20 admitted batch** | | | | | |
| 1 | NAM/ 2019-01 | Ms.Indraja.Ch | | | Discontinued on getting job |
| 2 | NAM/ 2019-02 | Ms. Pavani G | To be initiated | | Course work is in progress |
| 3 | NAM/ 2019-03 | Ms.Suneetha B | To be initiated | | |

**Progress of PG programme in the Dept. of Entomology:**

| S.No. | I.D. No. | Name | Title of the Thesis | OGPA | Remarks |
|---|---|---|---|---|---|
| **2016-17 admitted batch** | | | | | |
| 1 | NAM /16-03 | GudivadaHarika | Biology and Insecticidal Management of Diamondback moth (DBM) (*Plutellaxyllostella* L.) on Cauliflower. | 8.90 | Degree awarded |
| 2 | NAM/16-04 | KolliSwathi | Seasonal incidence and Insecticidal Management of major insect pests of rice fallow blackgram (*Vignamungo* L) in North Coastal Andhra Pradesh. | 8.91 | Degree awarded |
| **2017-18 admitted batch** | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1 | NAM /17-04 | B.Gouriharishchandra Prasad | "Incidence of South American Tomato Leaf Miner, *Tutaabsoluta* (Meyrick) in North Coastal districts and its Insecticidal Management | 8.87 | Degree awarded |
| 2 | NAM/17-05 | L. Sangeetha | "Taxonomy Studies on certain genera of Typhlocybinae (Cicadellidae : Hemiptera) leaf hopper fauna in North Coastal districts of Andhra Pradesh" | 9.17 | Degree awarded |
| **2018-19 admitted batch** | | | | | |
| 1 | NAM/2018-04 | D. GowthamiBai | "Taxonomy Studies on genus *Spodoptera* and management of Insect Pests in Sweet corn with special emphasis on Fall Army Worm (*Spodopterafrugiperda* J. E. Smith). | 8.77 | Thesis writing in progress |
| 2 | NAM/2018-05 | P. Rajarajeswari | Study on seasonal incidence and insecticidal management of plant hoppers in rice. | 7.86 | |
| 3 | NAM/2018-06 | Ch. Sabitha | Study on compatibility and Bio-efficacy of insecticides against insect pests and diseases of rice with the fungicides Difenconazole and Azoxystrobin | 8.47 | |
| **2019-20 admitted batch** | | | | | |
| 1 | NAM/2019-04 | N. Appala Naidu | -- | -- | Course work in progress |
| 2 | NAM/2019-05 | P. Divya | -- | -- | |
| 3 | NAM/2019-06 | L. Murali | -- | -- | |

## 6.4.2. FACULTY STRENGTH:

**Dept. of Agronomy:**

| S.No | Sanctioned Faculty | Faculty in Place | Vacant Position | Faculty Recommended |
|---|---|---|---|---|
| 1. Professor | NIL | One Professor( CAS) | -- | 1 |
| 2. Associate professor | One | One Associate Professor(CAS)- *To be joined* | Nil | 1 |
| 3. Assistant professor | Two | Two | Nil | 5 |

The services of the faculty from nearby research stations are being utilized for teaching and guiding the students regularly based on the need.

**Dept. of Entomology:**

| S. No. | Sanctioned Faculty | Faculty in Place | Vacant Position | Faculty Recommended |
|---|---|---|---|---|
| 1. Professor | 0 | 0 | 0 | 01 |
| 2. Associate Professor | 01 | 01 | -- | -- |
| 3. Assistant Professor | 02 | 2 +1*= 3 | -- | -- |

* One Asst. Professor is working against the vacant post of Microbiology and bio-energy

### 6.4.3. TECHNICAL/SUPPORTING STAFF:

**Dept of Agronomy:**

| S.No | Sanctioned Strength | Strength in Position | Vacant Position | Faculty Recommended |
|---|---|---|---|---|
| 1. Technical Officers | NIL | Nil | -- | 01 |
| 2. AEO's | One | Two | Nil | 01 |
| 3. JACT | One | One | Nil | -- |
| 4. Office Subordinates | Two | One | One | -- |
| 5.Time scale workers | - | Five | - | -- |

**Dept. of Entomology:**

| S. No. | Sanctioned Strength | Strength in Position | Vacant Position | Faculty Recommended |
|---|---|---|---|---|
| 1. Technical Officers | -- | -- | -- | 01 |
| 2. AEO's | -- | -- | -- | 01 |
| 3. JACT | -- | -- | -- | -- |
| 4. Office Subordinates | -- | 01 | -- | -- |
| 5.Time scale workers | - | 02 | -- | -- |

### 6.4.4. CLASS ROOMS & LABORATORIES:

**Dept of Agronomy:**

- Two Class rooms & One laboratoryare available for PG students with facilities sufficient enough to conduct theory and as practical classes
- College Farm sprawling in an area of 270 acres with wet, rainfed and garden lands available to meet the requirement of the PG research programmein addition to UG prerequisites at this college.

**Equipment available**

| S.No | Name of the equipment | No of Units |
|---|---|---|
| 1 | Hanging type dial spring balance | 2 |
| 2 | Soil auger (table type) | 3 |
| 3 | Dickey Jhon's Multi grain Moisture Meter | 2 |
| 4 | Run off stage level Recorder | 1 |
| 5 | Soil Auger (Screw type) | 6 |
| 6 | Refracto meter (Abbes type) | 2 |
| 7 | Thermister thermometer | 3 |
| 8 | Barograph | 1 |
| 9 | Cup counter anemometer | 1 |
| 10 | Infra red moisture balance | 1 |
| 11 | Infra red thermo meter | 1 |
| 12 | GE- VIP Polite overhead Projector | 1 |
| 13 | Psychomotor | 1 |
| 14 | Light meter | 1 |
| 15 | Double Ring Infitrometer | 2 |
| 16 | Water meter 2" | 1 |
| 17 | Run off stage level recorder | 1 |
| 18 | Afcoset electronic precision balance fx 3000 | 1 |
| 19 | Computer – Data-mini | 1 |
| 20 | LCD Projector | 1 |
| 21 | Slide projectors | 1 |
| 22 | Rapid Moisture meter | 2 |
| 23 | Zeal Max. Min. thermometer | 1 |
| 24 | Lynx whishing hygrometer | 1 |
| 25 | Aluminum Pots | 36 |
| 26 | Barigo thermo hygrometer | 1 |
| 27 | Lux meter | 1 |
| 28 | Barigo Aneroid barometer | 1 |
| 29 | Fortin Barometer | 1 |
| 30 | Verniorcaliper | 2 |
| 31 | Screw gauge | 2 |
| 32 | Top pan Balance (2 kg) | 1 |
| 33 | Hot air oven | 2 |
| 34 | Portable EC &pH meter | I unit |
| 35 | Willy mill | 1 |

**Dept. of Entomology:**

- ✓ Two Class rooms and One lab are available for PG students and the facility is sufficient
- ✓ College Farm sprawling in an area of 270 acres with wet, rainfed and garden lands available to meet the requirement of the PG research programme in addition to UG prerequisites at this college.

**Equipment available**

| S. No. | Name of the Equipment | No. of Units |
|---|---|---|
| 1 | Stereo Zoom Microscope with image analyser | 1 Nos. |
| 2 | Stereo Zoom Microscope | 1 No. |
| 3 | Magnoscopes (Bench Magnifiers) | 16 Nos. |
| 4 | KEMI B.O.D Incubator | 1 No. |
| 5 | PC based UV-VIS Spectrophotometer Model-119 | 1 No. |
| 6 | Electronic Digital Balance | 2 Nos. |
| 7 | Micro Syringe Applicator with Needle | 2 Nos. |
| 8 | REMI medico Plus Centrifuge | 1 No. |
| 9 | REMI Compact Cooling Centrifuge | 1 No. |
| 10 | KEMI Laminar Air Flow Cabinet | 1 No. |
| 11 | KEMI Hot Air Oven | 1 No. |
| 12 | KEMI Autoclave | 1 No. |

**Facilities with Plant Pathology (Supporting Department)**

| List of equipment/facilities available with Department of Plant Pathology useful for PG research at Agricultural College, Naira | | |
|---|---|---|
| **S. No.** | **List of equipment /lab facilities** | **Qty** |
| 1 | Refrigerated incubator cum shaker | 1 |
| 2 | Micropipettes | 1 set |
| 3 | Trinocular Microscope-Camera attached | 1 |
| 4 | BOD incubator | 1 |
| 5 | Single distillation apparatus | 1 |
| 6 | pH meter | 1 |
| 7 | Digital electronic balance-internal | 1 |
| 8 | EC meter | 2 |
| 9 | Hot Air Oven | 1 |
| 10 | Autoclave vertical | 1 |
| 11 | Laminar air flow chamber | 2 |

**List of equipment/facilities available in Central Instrumentation Cell at Agricultural College, Naira**

| S. No. | List of equipment /lab facilities | Qty |
|---|---|---|
| 1 | Refrigerated incubator cum shaker | 1 |
| 2 | Thermal Cycler | 1 |
| 3 | ELISA reader and Microplate washer | 1 |
| 4 | Rotary vacccum Evaporator | 1 |
| 5 | Minus 20 Deep Freezer | 1 |
| 6 | Vortex Mixture | 2 |
| 7 | Micropipettes | 7 |
| 8 | Trinocular Microscope-Stereozoom | 1 |
| 9 | BOD incubator | 2 |
| 10 | Double distillation apparatus | 1 |
| 11 | Flame photometer | 1 |
| 12 | pH meter | 1 |
| 13 | Digital electronic balance-internal | 1 |
| 14 | Leaf image analysis system | 1 |
| 15 | EC meter | 4 |
| 16 | Hot Air Oven | 1 |
| 17 | Fume Hood | 1 |
| 18 | Top loading balance | 1 |
| 19 | Single distillation unit | 1 |
| 20 | Autoclave vertical | 1 |
| 21 | Tissue culture racks | 3 |
| 22 | 10 KVA UPS and batteries set | 10 |
| 23 | Wall tables | 80mt |
| 24 | Laboratory trolleys | 6 |
| 25 | 1.5 ton DAIKIN Air conditioners - *book transfer* | 4 |

**6.4.5. CONDUCT OF PRACTICAL AND HANDS ON TRAINING:**

**Dept of Agronomy:**

Providing practical and hands on training to PG students on aspects as detailed below

- Preparation of filed Lay out the field as per the statistical design.
- Collection of soil and crop data as per the requirement of experiment.
- Recording of biometric observations from various crops asper the need of the experimentation.
- Soil and plant analysis as per the experiment.
- Estimation of use efficiency of different resources like irrigation water, nutrient use etc.
- Tabulation and data analysis and interpretation of data using different statistical tools
- Documentation of experimental results discussing the result for drawing logical inferences.
- Collection, compilationand reviewing literature review
- Writing research and popular article.
- Art and science of raising popular crops of the tract on sound scientific lines
- Providing opportunity to the students to have hands on experience on water, nutrient and weed management in a number of arable crops.
- Field configuration and crop establishment techniques for sole , inter, and multi-storeyedcrops/systems
- Execution and operationalization multi commodity oriented integrated farming system unitsetc.

**Dept. of Entomology:**

- Identification of insects and preparation of taxonomic keys
- Dissection of mouth parts, digestive system and reproductive systems of Grass hoppers, cockroaches & plant bugs
- Male genitalia dissections of leaf hoppers and moths.
- Preparation of permanent slides of antenna, legs, wings & mouth parts
- Study of lepidopteran larval chaetotaxy
- Identification of predators, Parasitoids, weed killers &Entomopathogenic fungi in various agro-ecosystems
- Mass multiplication of *Corcyra*, *Trichogramma and* EPF*, Metarrhiziumanisopliae*
- Rearing techniques of phytophagous larvae
- Life table studies of Pod borers and leaf eating caterpillars
- Estimation of chitin, carbohydrates and proteins in immature stages of insects
- Preparation of artificial diet for gram pod borer, Diamond Back Moth etc.
- Estimation of growth ratios and preparation of growth curves in insects
- Bioassay methods for assessment of toxicity of insecticides
- Probit Analysis
- Preparation of poison baits for rodents, cutworms & fruit flies
- Agro-Ecosystem Analysis (AESA) for Paddy, Pulses, Oilseeds etc.,

- Rearing of crop pests and preparation of life cycles
- Preparation of Spray fluids and application techniques of spray fluids
- Safe use of pesticides
- Compatibility of different pesticides and their phytotoxic effects
- Hands on training on usage of equipment (Spectrophotometer, laminar air flow, trinocular microscope with image analyser & autoclave etc., in the laboratory.
- Field experimental layout, data recording & data analysis

**6.4.6. SUPERVISION OF STUDENTS BY THE FACULTY**:

Three qualified facultymembers are available in the Dept of Agronomy and Fourqualified facultymembers are available in the Dept of Entomology at the college. In addition to the regular faculty at this campus, two more members also available in the sister units of the ANGRAU within 6km radius.

The faculty are regularly upgrading their knowledge by attending to various National level advanced trainings, seminars and workshops .

**6.4.7. FEED BACK OF STAKEHOLDERS:**

Feed Back from Students & Parents:

**Dept of Agronomy**

**2016 Batch:**

**1.Antarya Gonnuri (ID No:NAM-2016-001):**I Antarya .G grabbed the post graduation seat under agronomy department in the year 2016 and joined at Acharya N G Ranga Agricultural College , Naira with lots of excitement. This is the place where I've learnt not only the importance of agronomy but also a very disciplined curriculum. My professors who are experts in their respective fields taught us with all the might and are very much success oriented. We not only learnt many things inside the class room but also we were made to test those in the field to have clear cut results. My guide made me select an useful experiment and guided me with lots of knowledge. We had access to all types of e journals and loads of textbooks from the well equipped library.

**Antrya G. Parent's feedback:** We are very much happy that our child had a chance to do her post graduation from such a prestigious and disciplined college. It is definitely a best place to do their post graduation.

**2.K.Ramya (I.D.No:NAM/2016-002):**Agricultural college, Naira is very prestigious college. I pursued my post graduation from this college. The course curriculum was well monitored by my Professor and helped me in my lab experiments, field work and in entire course. My parents are also very happy and expressed their happiness for studying in this institution.I am privileged to express my heartfelt gratitude to my guide and co-guides for their time, encouragement during the course of my study.

**2017Batch:**

**1.** M. **SalomiGrace(I.D.No. NAM/2017-001):** Agricultural college Naira has been an institution which created a tremendous change in the students career. The peaceful atmosphere of the college away from the city buzz made me concentrate on my studies more and my practicals really enjoyable. The college gave me good faculty who guided me throughout my course and made it easy for me to learn the subject in an easy way. Research has been carried out in a very wonderful manner with ample guidance from director and co-directors and staff from other departments also. The digital library and the library had been of much help to finish my thesis in time.

**Salomi Grace Parents(Sri.**M. BabuSundar Singh &Smt. M. Neeraja) **Feed back:** It is our pleasure to give feedback on the college where our daughter M.Salomi Grace has completed her masters degree. We really were worried when we joined her as the college is bit far from the city. But the protection provided by the college in the hostels increased our trust and made us feel relaxed. And also the faculty had been kind and understanding to our daughter. We thank you for helping our daughter to shape her career in the way she wants.

**2.G. Sanjana(I.D.No: NAM-2017-002):**Agricultural college, Naira is one of the good college to pursuepost graduation in Andhra Pradesh. The academics were well maintained by Professors. I acquired good knowledge at this college in the Agronomy in all aspects.I enjoyed the stay too.

**3.B. Suresh Kumar(I.D.No: NAM-2017-003):**I am B. Suresh Kumar presently pursuing Ph. D in Agronomy at Agricultural College, Bapatla (ANGRAU).I completed my M.sc (Ag.) Agronomy at Agricultural College, Naira. It is an institution of highest value for any PG student to dream of studying. The teaching and research activities are being carried out throughout the year are unique for PG students. Laboratory facilities are good for conducting research work and the teaching by professor, supported by staff are exemplary. All PG class rooms were digitally equipped which is easy for learning the subject .*E-sources* are available in the Digital library and also we are utilizing Consortium for E-Resources in agriculture for access content from a wide variety of publishers on a single platform. Presently i had sent 3 research articles for the publication and i got acceptance from the reputed journals*viz.,* Andhra Agricultural Journal with NASS rating 4.14, Multilogic in Science-an International Journal with NASS rating 5.20 and International Journal of Agricultural Sciences and Statistical with NAAS rating 5.16. Due to pandemic COVID-19, research articles yet to be published in the journals.

**B. Suresh Kumar Parent Feedback :** It deemed a privilege to say few words about PG programme at Agricultural College, Naira. It is an institution of National importance in agriculture in which my beloved son studied during 2017-2019. The serene atmosphere for study coupled with always greenery made my son to excellence in his studies. The teachers are a replica of parents in taking care and ensure safety away from home in the hostel. The expenditure involved to educate my son is well within the financial budget of common man which is rare in any state/country. I politely wish that institution will rewarded more and more laurels for its outstanding contribution and shaping life of students like my son.

**2018 Batch:**

**1.IBhanuPriyanka(I.D No: NAM/ 2018-001):**The campus is a temple with greenery and peaceful surroundings and with the atmosphere of healthy and student friendly.This is the place where I learnt many techniques and practices in crop cultivation.College is with good crop cafeteria and well maintained by the students under the guidance of professors.The quality of education in campus is very good with equal importance to practical knowledge along with theoretical knowledge of subject.Campus provided us with digital classrooms, a digital library and play ground.All the faculty in the department guided us in each and every step. There is a friendly atmosphere in our department and we are free to approach them to clarify our doubts.The HOD and the professors inaddition to the subject they also reached us the moral values.College provided equal priorities for both academics and extracurricular activities.The hostel is neat and clean with all facilities, medical dispensary and healthy food.
**BhanuPriyanka Parent's feedback:**We are so happy with my child study and overall development and behaviour during her P.G. programme due to dedicated and talented faculty and thankful to their love and support.

**2.KSusmitha(I.D No: NAM/ 2018-003):**The campusis really goodwith greenery and peaceful surroundings and with the atmosphere of healthy and student friendly.This is the place where I earned my graduation during 2014 – 2018 again I chose my college for M.Sc because of friendly learning environment.College is with good crop cafeteria and well maintained by the students under the guidance of professors.The quality of education in campus is very good with equal importance to practical knowledge along with theoretical knowledge of subject.Staff are friendly engaging students during practical sections and its helpful for students to open up their thoughts.Campus provided us with digital classrooms, a digital library and play ground.Classrooms with projectors which helps me to learn better and the best thing is faculty also teaching moral values.The HOD and chairperson guidedme very well during my research programme.College provided equal priorities for both academics and extracurricular activities.The hostel is with good facilities and healthy food.
**Susmitha Parents feedback:**We are so happy withmy child study and overall performances due to dedicated and talented faculty and thankful to their love and support.

**3.P. Venkataramana(I.D No: NAM – 2018-007):** It's very proud that I studied in naira college infrastructure and environment will gives you a pleasant feel. Professors are very interactive. Non teaching staff and librarian are very friendly. Campus provided us with digital classrooms, a digital library and play ground. Classrooms with projectors which helps me to learn better and the best thing is faculty also teaching moral values. The HOD and chairperson guided me very well during my research programme. Most important fields are near to college which are very useful for practical training. Hostel room and mess food makes feel like homely.
**VenkataRamana Parent's feedback:** We are so happy with my child have good knowledge and overall performances due to dedicated and talented faculty and thankful to their love and support

**2019Batch:**

**1.PavaniGutla(I. D. No:NAM/2019-002):**Agricultural college, Naira is having a good academic environment, infrastructure and lab facilities that are good enough to learn practically. All the departments especially, Department of Agronomy & supportive professors encourage us in all the aspects. They involve us practically in all experiments and assign us class seminars and assignments. The college is having farm and crop cafeteria which help us in close observation in the field. I hope this college will be one of the best agricultural colleges in agricultural education.

**Pavani's parent(G. SrinivasaRao) Feedback:** The Agricultural College, Naira has a good academic environment. The professors of the college and the department are supportive and the quality of education is good. It is our pleasure to have my daughter to be a part of this college. I hope this college will be a unique one in agricultural education system.

**2.BethanapalliSuneetha (I. D. No:NAM/2019-003):**The college having good academic environment, good and supportive professors.College have Good infrastructure and lab facilitates and well maintained farm.All departments Particularly agronomy department doing a great job bysharping our knowledge through involving all practical experiments and regularly given assignments,seminars to update our knowledge and to improve Communication skills.These allencourages us to build our careers in future. I hope this college will be unique one in agricultural education.our accommodation also comfortable at Naira hostel.

**Suneetha's Parent**(B. Tavitinaidu) **feedback :**The college have good and healthy environment. The professors of agronomy department are good, supportive and approachable .The quality of education is good.My daughter knowledge levels improved. She is comfortable with hostel facilities.It is my pleasureto have my daughterbe a part of this college.

**Dept. of Entomology:**

**2016 Admitted batch :**

1. **GudivadaHarika, (I.D.No: NAM/2016-003 ):**I, GudivadaHarika have completed my Post-graduation in Entomology in ANGRAU, Agricultural college, Naira, Srikakulam from 2016-2018. It was the first time in 2016, University have allotted two M.Sc. seats in the Department of Entomology at Agricultural College, Naira. As, I was the B. Sc. graduate from Ag. College, Naira, had a good idea about the faculty and facilities of Entomology Department, grabbed the opportunity to join the PG programme at Ag. College, Naira. During my journey, we were only two students and our professors are clearly very enthusiastic about the subject and have provided us with excellent materials which are more than sufficient for the successful completion of our course work. The Professors are quite supportive and the information is delivered in a concise and clear way so that I could go away and look over the work without worry. The schedule for PG programme was really outstanding when compared to other universities and our professors tried to cover each and every topic with many practical examples, excellent power point presentations and good handouts which, greatly helped us to secure high grades in all the subjects. They are very good at simplifying the subject, took many practical classes even with meagre lab facilities, took us to a lot of field trips which made us to clearly understand the difficult areas of our subject without any confusion. Furthermore, the college farm members have also provided good support from land preparation to till harvest of my crop by sending sufficient labour for each and every operation in time, which has really reduced the burden on me for managing the time for my lab work. The college

library has provided us with very good internet facilities in the digital library, registered to many important e-resource journals, made available the most peer reviewed journals and books in the library which has helped me for writing my thesis at ease. My parents are unhappy at first, for my decision of joining at Ag. College, Naira, in M.Sc as a first batch student. But later on, they have changed their opinion and are really happy looking at my grades and early submission and completion of my PG thesis without much difficulty.

2. **K.SWATHI (I.D.No: NAM/2016-004):"Agriculture College Naira"** … Heartfelt *expressions of* thanks to *my second home which never made me down.* I don't know if it is possible to convey in words the sense of *gratitude* I feel. I have completed both my under graduation and post graduation in this prestigious college. Being the first batch for PG programme in the Dept. of Entomology at Ag. College, Naira, initially I was a bit tensed if I could complete my PG programme or not but during the course of my 2 years PG I have not faced even a single issue with respect to amenities like journals, lab equipments, field related issues etc. which was only possible because of our beloved Professor's constant and endless support. I take privilege to express my gratitude to my chairman Dr. P. SeethaRamu Associate Professor, Department of Entomology, Agriculture College, Naira. I am deeply indebted to him for his wise counsel, parental care, invaluable and inspiring guidance, persistent encouragement during my entire course of work. I wish to extend my profound sense of gratitude and esteem regards to my advisory members Dr.S. Dhurua Associate Professor & Head, Department of Entomology, Dr. M. Suresh, Assistant Professor and Head, Department of Plant Pathology and Agricultural Microbiology, Dr. S. GovindaRao, Assistant Professor & Head, Department of Statistics & Agricultural Mathematics, Smt. N. Sreesandhya, Asst. Prof., and Sri D. Anil kumar, Assistant Professor, Department of Entomologyfor their worth full suggestions and encouragement during my entire period of study. Honestly, I have completed my PG programme with utter satisfaction. I have learnt lot of things both practically and theoretically, I have no regrets for joining in this prestigious college. I deem it a great pleasure to exhibit my inexplicable gratitude to Dr.P.V.Krishnayya,Associate Dean, Agricultural College, Naira for showing expeditious co-operation and valuable suggestions during my study.

**2017 Admitted batch :**

1. **Ambati. GouriHarishchandra Prasad (I.D.No: NAM-17-004):**
I, Ambati. GouriHarishchandra Prasad perceived my Post Graduation in the Department of Entomology from Acharya N.G. Ranga Agricultural College, Naira, in the year 2017- 2019 with I.D. no: NAM-17-004. I have done my research work on "Incidence of South American tomato leaf miner, *Tutaabsoluta* (Meyrick) in North Coastal Districts and its insecticidal management" with three objectives. I successfully completed my research work with good guidance from faculty and support given by my associates. The college management has provided me with all facilities that were needed for my research work like land, irrigation facilities, equipments, labour for work, and daily weather report through meteorological lab, Agricultural College, Naira, helped me a lot to gain good practical knowledge on crops and it's pests as it has vast area covered with diversified horticultural and agricultural crops, well equipped lab and insect specimens of different crops that are stored in good manner for identification purpose. They also conducted visits to

local farmers fields. I am blessed with best teaching faculty in my department who endowed us with good knowledge regarding subject and research. I feel so happy for opting Acharya N.G. Ranga Agricultural College, Naira, for the fulfillment of my post-graduation studies. I sincerely thank college management and faculty of my department for giving me such a great support.

2. **LochalaSangeetha,(I.D.No: NAM-17-005):** I, Sangeetha. L. completed my PG programme in the Department of Entomology, at Agricultural College, Naira. Firstly I express my sincere gratitude to all the Teaching and Non Teaching staff, Department of Entomology for their kind co-operation, guidance and valuable suggestions during my PG Programme.I am very happy to get an opportunity to do my PG at Agricultural College, Naira as it have a disciplined and student friendly atmosphere in both the college and hostel. The major strength of PG in our college is qualified and talented teaching staff, they keep all their efforts in giving their best in theory and practical classes as well. College has provided all the facilities (library books, Digital library and Study tours) technical assistance to complete my PG programme. So I am looking forward to continue the PG programme in our Agricultural College, Naira.
3. **LochalaSanthaRao Parent of L Sangeetha:**I am writing to let you know how pleased I am with the education of my daughter, LochalaSangeetha, as she completed her PG at Agricultural College, Naira.Sangeetha has had great success with her research work during the PG Programme under the great support and guidance given by the staff and advisory committee. Thank you for all your efforts and support towards my child. I am looking forward to continue the PG at Agricultural College, Naira.

**2018 Admitted batch :**

**D. GouthamiBai,(I.D.No: NAM– 2018-004):**

- The campus is really good with greenery surrounding and with good learning environment.
- Atmosphere is very healthy and student friendly.
- Much better interaction with students and got know them better and form good relationship with professors.
- Staff are friendly engaging students with real life activities, teaching moral values.
- Campus with quality classrooms, a digital library and play ground.
- Classrooms with projectors which helps me to learn better and the best thing is faculty are too helpful.
- The HOD and chairperson guiding me very well during my research programme.
- College provided equal priorities for both academics and extra curricular activities.
- The quality of education in campus is very good with equal importance to practical knowledge along with theoretical knowledge of subject.
- Again we are gaining more practical knowledge from department.
- College with good crop cafeteria and well maintained by the students.
- The hostel is with good facilities.

**Suggestions:**

- Could you please provide different types of journals in the library and also in the department.
- Placement cell for P.G students.
- Increase the number of copies of recent books in library.
- Provide separate P.G block in girls hostel.

**D. GouthamiBai, Parents feedback:** I am happy with all teachers efforts in offering the students the support of they need.

2. **P. Raja Rajeswari (I.D.No: NAM-2018-005):** I, P. Raja Rajeswari, pursuing Post graduation in the major field of Entomology at Agricultural College, Naira, grateful to state that the academic environment pertaining to PG programme is very good. Experienced teaching faculty, infrastructure, digital library and laboratory facilities are adequate to carry out the Research work. The Research work can be carried out easily without difficulty, As the college farm is located very near to the college. We are very frequently taken to the farm for practical experience. Visit to bio-control laboratory at Anakapalle, Quarantine Station at Visakhapatnam helped us to know the rearing of biological control agents, Quarantine regulations on export and import of commodities for quarantine pests. Head of the department chairman and members of PG programme guiding us in carrying research work with their timely suggestions. The hostel facilities are also good in this college.

   **P. Raja RajeswariParent Feedback**: Name:K.SrinivasaKumar Relation to the student: Husband. I, K.Srinivasa Kumar would like to state that the discipline in the college is good. The college staff and faculty are cooperative. The atmosphere in the college is favourable for learning, Hostel facilities are also satisfactory.

3. **Ch. Sabitha (I.D.No: NAM-2018-006) :** I, Sabitha.Ch, pursuing post graduation in the major field of Entomology at Agricultural College, Naira, highly obliged to state that the academic environment pertaining to PG programme is very good at Agricultural College, Naira. We are provided with quality teaching faculty. The infrastructure, library and laboratory facilities are adequate. The Research work can be carried out well without difficulty, as the college farm is situated just opposite to the college, and we are very frequently taken to the farm for practical experience. As a part of the curriculum, there are timely visits to bio-control laboratory at Anakapalle, Quarantine Station at Visakhapatnam, etc. The hostel facilities are also good in this college.

**Ch. Sabitha<u>Parent Feedback</u>**

Name: Ch. RatnaRaju
Relation to the student: Father
I, RatnaRaju, father of Sabitha. Ch would like to state that the the discipline in the college is good and my ward is increasing her knowledge through interaction with the professors. The admission in the college is fair and accurate. The college staff and faculty are cooperative. The atmosphere in the college is conducive for learning, Hostel facilities are also satisfactory.

**Feedback of 2019 Admitted batch :**

**1. N. Appalanaidu,(I.D.No: NAM/2019-04):**Postgraduate programme in Naira is getting improved by day by day, we the students are having a good field visit for improving practical knowledge at the field level, involving experiments in lab, good faculty for improving theoretical knowledge. Teachers also involving students by Assigning them various works like PPTS, term papers, assignments by seminars. Everything is helping us to improve our knowledge further and all the students were allotted with a hostel and nice mess hall for better health conditions of the students. we hope this will proceed further level…in future.

**2.P.Divya (I.D.No: NAM/2019-05):**

Post graduation programme in Agricultural college, Naira is at budding stage. Particularly for the department of entomology it was stated in academic year 2016-2017.but it is improving day by day in Naira college farm is very nearer to college so conducting field experiments is very feasible for the students and we increased our field knowledge to directly involving in field operations. Labs are also well equipped and we gaining knowledge thoroughly. Library and digital library services also available. All recent journals and books are available in the library and library staff also updating all articles and journals up-to date. Our food and accommodation also comfortable at Naira.

**6.4.8. STUDENT INTAKE AND ATTRITION IN THE PROGRAMME FOR LAST FIVE YEARS:**

**Dept of Agronomy :**

| Sl.No | Academic year | No of students admitted | No of students discontinued | % attrition |
|---|---|---|---|---|
| 1 | 2015-16 | 02 | 0 | 0 |
| 2 | 2016-17 | 02 | 01 | 50 |
| 3 | 2017-18 | 03 | 0 | 0 |
| 4 | 2018-19 | 03 | 03 | 100 |
| 5 | 2019-20 | 03 | 01 | 33 |

**Dept. of Entomology**

| Sl No | Academic year | No of students admitted | No of students discontinued | % attrition |
|---|---|---|---|---|
| 1 | 2016-17 | 02 | 0 | 0 |
| 2 | 2017-18 | 02 | 0 | 0 |
| 3 | 2018-19 | 03 | 0 | 0 |
| 4 | 2019-20 | 03 | 0 | 0 |

### 6.4.9. ICT APPLICATION IN CURRICULA DELIVERY:

24/7 dedicated high speed internet, LAN, Wi-Fi, Digital library, access to e- resources, virtual class room facility, latest statistical packages for data analysis, Anti-plagiarism tools etc are some of the ICT facilities available to the students and faculty in the campus for curricula delivery and career advancement.

- ✓ Morphometric studies of insects by using MICAP 3.6 Digital Camera attachment software
- ✓ Running of different statistical packages for data analysis
- ✓ 24/7 dedicated high speed internet, LAN, Wi-Fi, Digital library, access to e- resources and virtual class room facility.
- ✓ ICT is used as per the requirement of the programme to the level of satisfaction to students.

**6.4.12 :**

CERTIFICATE:

I, the Associate Dean, Dr. A.V.Ramana hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding University.

Date: 12th June, 2020




Signature of the Associate Dean & Seal

(A.V. RAMANA)

Associate Dean

Agricultural College

NAIRA-532 185.

Srikakulam Dist. (A.P.)



Acharya N. G Ranga Agricultural University
AGRICULTURAL COLLEGE, NAIRA - 532 185
SRIKAKULAM DISTRICT, ANDHRA PRADESH
email: advaira89@gmail.com

# Acharya N.G.Ranga Agricultural University

## Agricultural College

## MAHANANDI-518502

# SELF STUDY REPORT

6.5

## ACCREDIATION REPORT – TASK COMMITTEE

**Chairman: Dr. G. Prabhakara Reddy, Associate Dean**

Member: Dr. A. Prasanna Rajesh, Professor & Head, Department of Genetics and Plant Breeding

Member: Dr. M. Srinivasa Reddy, Associate Professor & Head, Department of Agronomy

Member: Dr. M. Satish Rahul, Assistant Professor & Head, Department of Agricultural Extension

Member: Dr. G. Fareeda, Assistant Professor, Department of Plant Bio-Chemistry

Member: Dr. P. V. Ramesh Babu, Assistant Professor, Department of Agronomy

Member: Sri. Y. S. Satish Kumar, Assistant Professor, Department of Soil Science & Agricultural Chemistry

Annexure – II

**Application for Accreditation of a College**

To

The Secretary,
Accreditation Board,
Indian Council of Agricultural Research,
Krishi Anushandhan Bhavan-II,
Pusa, New Delhi – 110012.

Sir,

Sub: Accreditation of Agricultural College, Mahanandi, Andhra Pradesh- For the period from 2021-22 to 2026-27– Reg.

I, request that, the Agricultural College, Mahanandi of Acharya N.G.Ranga Agricultural University may kindly be considered for accreditation by the ICAR Accreditation Board for the period from 2021-22 to 2026-27.

Yours faithfully,

Registrar / Authorized Officer
Acharya N G Ranga Agril.University



Annexure – IV

**Certificate of the Self Study Report of a College**

To

The Secretary,
Accreditation Board,
Indian Council of Agricultural Research,
Krishi Anushandhan Bhavan-II,
Pusa,New Delhi – 110012.

Sir,

Subject: Submission of Self Study Report of Agricultural College, Mahanandi, ANGRAU- Requested - Regarding

This Self Study Report is submitted for the purpose of assisting in the determination as to whether or not Agricultural College, Mahanandi should become accredited by the ICAR Accreditation Board.

It is certified that, there was broad participation by the various constituents of the College in conduct of Self Study and preparation of Self Study Report, and the report accurately reflects the nature and substance of the College.

Yours faithfully,



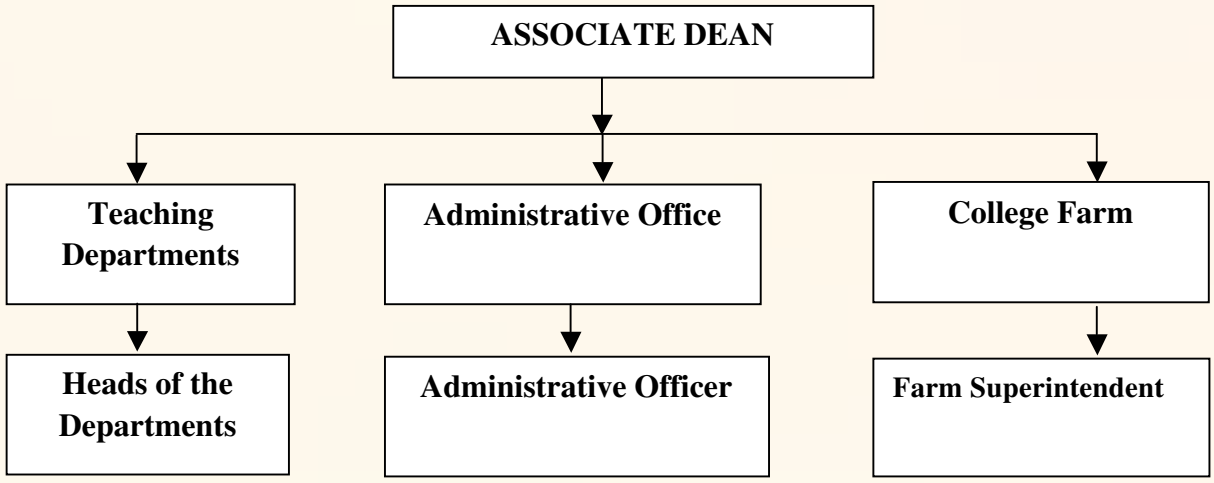

Registrar / Authorized Officer
Acharya N G Ranga Agril.University

## 6.5 Self Study Report of the College

### 6.5.1 College Administration

#### 6.5.1.1 College Dean's Office Establishment

Associate Dean Post is sanctioned by the University authorities,**Dr. G. Prabhakara Reddy** is in position as Associate Dean, Agricultural College, Mahanandisince**03.07.2020.**The management of the college is under different sections as furnished below.




#### 6.5.1.2Monitoring Mechanism for Quality Education(On-line)

Curriculam of B.Sc. (Hons.) Agriculture will be operated by semester system with110 working days. Immediately after registration by the students for each semester, classes will be commenced from the next working day. After 40 working days of registration, mid-semester examinations will be scheduled. During the mid-semester examinations classes will be suspended. The practical examination will be conducted in the last practical class of the academic calendar. Scheduled classes will be taken during practical examinations. The mid-semester examinations will be conducted in a separate examination hall with the concerned subject teacher and other teacher nominated by the Associate Dean. The papers will be evaluated by the teacher and will be shown to the students and the questions will be discussed with in the last working day of the semester.

The practical examinaion will be connducted for 2 hour and 30 minutesduration which includes identification of specimens, viva-voce and question paper on practical component which will be evaluated by the concerned subject teacher. After the last working day of the semester, the university will schedule thesemester final theory examinations. The paper setting and evaluation will be carried out by external examiners. The subject wise performance sheet of the students will be prepared based on the credit load of the course (For example in a course with 1+1 credits 50 per cent markswill be for the semester final practical examination, 20 per cent for mid semester examination and 30 per cent for semester final theory examination). The student's examinations are also being monitored through closed circuit (CC) cameras which can be visuvalised both at college

and university level. The above activities of U.G will be monitoried by Officer In-Charge of Academic matters (U.G).

The Officer In-Charge of Academic matters (P.G) will be monitoring all the correspondence of the academic matters of the post graduate Students. The students will be with the Post Graduate Advisory system which needs to the approved from the Dean of Post graduate Studies. For the P.G. students there will be mid-semester and practical examination (internal) and semester final theory examination (external) to evaluate the academic progress. The students have to pass the External Comprehensive Examination both written and oral to get qualified for completion of the course. The research work will be documented as thesis which will be submitted to the University for evaluation by the external examiners of other universities. Hence there is a well establishedmonitoring system to assure the quality of education for Post graduate programme.

### 6.5.1.3 CC/Board of Studies

The University conducts regular Bi-monthly meetings with all the Associate Deans of Accreditated Collegesto discuss about the periodical progress under the chairmanship of the Hon'ble Vice Chancellor.

### 6.5.1.4Anti-Ragging Cell

There is anAnti-Ragging Cell, constitutedevery year for safe guarding of the newly admitted students. In the committee, the Associate Dean isthe Convener and all the other faculty are members.

In pursuance to the Judgment of the Hon'ble Supreme Court of India dated 08.05.2009 in CivilAppeal No. 887/2009, the University Grants Commission has framed "UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009." which have been notified on 4$^{th}$ July,2009 in the Gazette of India. Agricultural College, Mahanandi follows this regulation and subsequent guidelines issued in the matter. The activites include

- Anti-ragging committee and Anti-ragging squad are constituted.
- Anti-Ragging awareness programmes were organized and counselled the students about punishable ingredients of ragging and Judicial and institutional actions to be taken for ragging and abetment to ragging.
- The telephone numbers of the Anti-Ragging Helpline and all the important functionaries in the institution are being provided.
- The provisions of penal law applicable to incidents of ragging and the provisions of these regulations and also any other law for the time being in force and the punishments thereof are widely publicized in college and hostels by depicting through posters.

- A printed leaflet is being distributed to every first year student detailing to whom he/she has to turn up for help and guidance for various purposes including addresses and telephone numbers, so as to enable the student to contact the concerned person at any time, if and when required.
- Boarding for freshers is being allotted in a separate hostel/block.
- Arrangements aremadeto ensure round the clock vigil against ragging in the hostel premises, in order to prevent ragging in the hostels after the classes are over.
- Complaints box is provided to lodge complaints, if any.
- At the time of admission, digital and hardcopy of undertaking by the students and parentsis compulsory through their respective advisors.
- Writing personal letters to the parents of seniors to advice them not to involve in ragging
- Counseling for the students through their Advisors

### 6.5.1.5Biological waste disposal facility

There is a Biological waste disposal facility withthe establishment ofVermicomposting unitwhich is effectively running for the last 10 years and is being maintained with the involvement of the students. It helps for hands on training and earning to the students.

The harmful chemicals, biological and radioactive materials etc. are not being generated by the college. However, college has formulated a committee for biological waste disposal. All the operations regarding waste disposal as per government guidelines is being adopted by the college.

#### 6.5.1.5.1 Committee for biological waste disposal facility

| S. No. | Members of the committee | Role |
|---|---|---|
| 1 | Associate Dean | Chairman |
| 2 | Farm Superintendent | Coordinator |
| 3 | Director, Vermicomposting Unit | Member Secretary |
| 4 | Wardens of Boys and Girls Hostels | Members |

#### Role of the committee

1. To formulate rules and regulations for biological waste disposal as pernorms
2. To conduct timely hands on training on biological waste disposal system for staffand students.
3. To formulate the system for biological waste disposal at collegelevel
4. To monitor the biological waste disposal at collegelevel

At Agricultural College, Mahanandi the fowollowing activies are being taken up for the disposal of biological waste generated in the campus.

1. Three pits are made in the college farm where in residues of the farm, all the weeds from the fields and other leaf fall are being collected and subjected to composting and then reused. No way the residues or any decomposable material is burnt in the college farm or in the college premises.
2. There are 2units of NADEP composting structures for composting in the college farm.
3. In addition there is also a vermicomposting unit in the college premises being operated with the students under AELP programme and guided by the staff of the department of Agronomy.

### 6.5.1.6 Institutional Ethics Committee for Experiments on Animals

The college does not conduct any experiments on animals and hence there is no such committee on institutional ethics.

### 6.5.1.7Committee for prevention of sexual harassment of woman at work places

Collegeis having the women protection cell. This cell is being headed by a senior women faculty and others as members of the committee.

### 6.5.2Faculty

### 6.5.2.1 Faculty Strength

| Designation | Sanctioned | Filled |
|---|---|---|
| Dean | 1 | 1 |
| Professor | - | - |
| Associate Professor | 8 | 8 (**1 Teaching Associate**) |
| Assistant Professor | 15 | 15 (**2 Teaching Associates**) |
| **Total** | **24** | **24** |

### 6.5.2.2Faculty Profile

| S.No. | Name of the Scheme / Department | Professor | | | Associate Professor | | | Assistant Professor | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Sanctioned | Filled | Vacant | Sanctioned | Filled | Vacant | Sanctioned | Filled | Vacant |
| 1 | Agronomy | -- | -- | -- | 1 | 1 | -- | 2 | 2 | -- |
| 2 | Genetics& Plant Breeding | -- | -- | -- | 1 | 1 | -- | 1 | 1 | -- |
| 3 | Soil Science & Agricultural Chemistry | -- | -- | -- | 1 | 1 | -- | 2 | 2 | -- |
| 4 | Entomology | -- | -- | -- | 1 | 1 | -- | 1 | 1 | -- |
| 5 | Agricultural Economics | -- | -- | -- | 1 | 1 | -- | 1 | 1 | -- |
| 6 | Agricultural Engineering | -- | -- | -- | -- | -- | -- | 2 | 2 | -- |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7 | Crop Physiology | -- | -- | -- | - | - | -- | 1 | 1 | -- |
| 8 | Plant Pathology | -- | -- | -- | 1 | 1 | -- | -- | -- | -- |
| 9 | Horticulture | -- | -- | -- | 1 | 1 | -- | 1 | 1 | -- |
| 10 | Agricultural Extension | -- | -- | -- | 1 | 1 | -- | -- | -- | -- |
| 11 | Statistics and computer applications | -- | -- | -- | -- | -- | -- | 1 | 1 | -- |
| 12 | English | -- | -- | -- | -- | -- | -- | 1 | - | 1 |
| 13 | Biochemistry | -- | -- | -- | -- | -- | -- | 1 | 1 | -- |
| 14 | College Farm | -- | -- | -- | -- | -- | -- | 1 | 1 | -- |
| | **Total** | -- | -- | -- | **8** | **8 (1 Teaching Associate)** | -- | **15** | **14** | **1** |

### 6.5.2.3Credentials of the Faculty

| S.No. | Name of Faculty | Highest Qualification | Experience (Years) | | | Honors/Awards/ Distinction *etc**/ trainings/ publications |
|---|---|---|---|---|---|---|
| | | | Teaching | Research | Extension | |
| **Agronomy** | | | | | | |
| 1. | Dr. M. Srinivasa Reddy | Ph.D. | 13 Y | - | 4Y | **6.5.2.3.1** |
| 2. | Dr. U. Vijaya Bhaskar Reddy | Ph.D. | 13 Y | 1 Y 7 M | - | **6.5.2.3.2** |
| 3. | Dr. P. V. Ramesh Babu | Ph.D. | 6 Y | 2 Y 6 M | 2Y | **6.5.2.3.3** |
| **Genetics and Plant Breeding** | | | | | | |
| 4 | Dr. A. Prasanna Rajesh | Ph.D. | 3 Y 5 M | 17 Y 1 M | - | **6.5.2.3.4** |
| 5 | Dr. A. Trivikram Reddy | Ph.D. | 2Y 5M | 10 Y 6 M | - | **6.5.2.3.5** |
| 6. | Smt. N. Sabitha | M.Sc. (Ag.) | - | - | - | **6.5.2.3.6** |
| 7. | Dr. A. Lokeshwar Reddy | Ph.D. | 5 M | 1 Y 3 M | - | **6.5.2.3.7** |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Soil Science and Agricultural Chemistry** | | | | | | |
| 8. | Dr. P. Kavitha | Ph.D. | 17 Y | - | - | **6.5.2.3.8** |
| 9. | Sri. Y. S. Sathish Kumar | M.Sc. (Ag) | 10 M | 4 Y 8 M | - | **6.5.2.3.9** |
| **Entomology** | | | | | | |
| 10. | Dr. L. Vijaya Bhaskar | Ph.D. | 5 Y | 12 Y | 5 Y | **6.5.2.3.10** |
| 11. | Dr. K. Swarajyalakshmi | Ph.D. | 16 Y | - | - | **6.5.2.3.11** |
| **Agricultural Economics** | | | | | | |
| 12. | Miss. B. Sushmitha | M.Sc. (Ag.) | 6 M | - | - | **6.5.2.3.12** |
| **Agricultural Engineering** | | | | | | |
| 13. | Dr. B. Sarojini Devi | Ph.D | 19 Y | 2 Y 9 M | - | **6.5.2.3.13** |
| **Crop Physiology** | | | | | | |
| 14. | Sri. D. Venkatesh Babu | M.Sc. (Ag.) | 2 Y | 4 Y | - | **6.5.2.3.14** |
| **Plant Pathology** | | | | | | |
| 15. | Dr. Y. Narasimhudu | Ph.D. | 4 Y | 7 Y | 26 Y | **6.5.2.3.15** |
| 16. | Smt. J. Sailaja Rani | M.Sc (Ag.) | 9 Y | - | - | **6.5.2.3.16** |
| **Horticulture** | | | | | | |
| 17. | Dr. Y. Madhavi | Ph.D. | 6Y 2M | - | 10 M | **6.5.2.3.17** |
| 18. | Sri. C. Srinivasa Reddy | M.Sc. (Horticulture) | 11 Y | - | - | **6.5.2.3.18** |
| **Agricultural Extension** | | | | | | |
| 19. | Dr. M. Sathish Rahul | Ph.D. | 12 Y | - | 2 Y | **6.5.2.3.19** |
| **Statistics and Computer Applications** | | | | | | |
| 20. | Dr.E. S. V. Narayana Rao | Ph.D (Statistics) | 17 Y | 2 Y | - | **6.5.2.3.20** |
| **Biochemistry** | | | | | | |
| 21. | Dr. P.J. Nirmala | Ph.D | 18 Y | | | **6.5.2.3.21** |
| 22. | Dr. G. Fareeda | Ph.D. PDF | 8 Y | - | - | **6.5.2.3.22** |
| **English** | | | | | | |
| 23. | Vacant | | | | | **-** |

### 6.5.2.3.1 Dr. M. Srinivasa Reddy, Associate Professor & Head, Department of Agronomy

| S.No | Training programmes |
|---|---|
| 1 | National Seminar on "Trends in Farm Mechanisation and Engineering interventions for sustainable Agriculture" from 14-15th December, 2016 at RARS, Tirupati |
| 2 | Four Day training programme on ZBNF by Dr. Sh. Subhash Palekar from 11th to 14th September at Tirupati Organised by Department of Agriculture, A.P. |
| 3 | National Seminar on Agronomic Approaches for Climate Resilience in Agriculture on 02-05-2017 and received certificate of appreciation for the meritorious service rendered in organization of the seminar from Director of Research, ANGRAU. |
| 4 | 21 days summer School on climatic change and a biotic stress management strategies for doubling of farmers income from 07-09-2018 to 27-09-2019 in Baramati, Maharastra. |
| 5 | National conference on Strategic approaches for developing world-class to 20-03-2019 at Bapatla, Andhra Pradesh |

| S.No | Seminars/Workshops |
|---|---|
| 1 | V. Siva Jyothi, T. Giridhar Krishna, P. Kavitha and **M. Srinivasa Reddy.** 2013. Uptake of major nutrients of Rice (*Oryza sativa*) as influenced by Levels of Phiosphorus, Farm yard manure and green manure in High available P Vertisols. Paper presentation at the "National conference on Agro biodersity Management for sustainable Rural Development" held at NAARM during October, 14-15. |
| 2 | V. Siva Jyothi, T. Giridhar Krishna, P. Kavitha and **M. Srinivasa Reddy.** 2014. Effect of Phosphorus fertilization in conjunction with organics on soil nutrient status of rice in a phosphorus rich vertisols. National Seminar on developments in Soil Science. 79thAnnual Convention, JISS, Hyderabad, Nov 24-27. |
| 3 | V. Siva Jyothi, T. Giridhar Krishna, P. Kavitha and **M. Srinivasa Reddy.** 2014. Influence of levels of phosphorus either alone or in conjunction with farm yard manure and green manure on rice yield and economics in a high soil available P vertisols. ISSP South Zonal Seminar on physiological and molecular interventions for improving crop productivity at Agricultural College, Bapatla. |
| 4 | J. Swamanna, P. Kavitha, M. Sreenivasachari and **M. Srinivasa Reddy**. 2015. Potassium release characteristics in rice growing soils of Kurnool (District). Paper presented in National Seminar on Developments in Soil Science: (343), Indian Society of Soil Science, 80th Annual Convention, University of Agricultural Sciences, Bangalore. |
| 5 | P. N. Siva Prasad, P. Kavitha, M. Sreenivasachari and **M. Srinivasa Reddy**. 2015. Potassium fractions in relation with soil properties in rice growing soils of Kurnool (District). Paper presented in National Seminar on Developments in Soil Science: (344), Indian Society of Soil Science 80th Annual Convention, University of Agricultural Sciences, Bangalore. |
| 6 | P. N. Siva Prasad, P. Kavitha, M. Sreenivasa chari and **M. Srinivasa Reddy.** 2015. Distribution of different forms of Potassium in rice growing soils of Kurnool (District). Paper presented in National Seminar on Developments in Soil Science: (350), Indian Society of Soil Science 80th Annual Convention, University of Agricultural Sciences, Bangalore. |
| 7 | P. N. Siva Prasad, P. Kavitha, M. Sreenivasachari and **M. Srinivasa Reddy.** 2015. Determination of Potassium supplying power of Rice growing soils of Kurnool (District), A.P. by Neubaur's seeding method Paper presented at National conference on "Emerging trends in Agri nanotechnology" (AgriNANO-2015) 11-12th Marchheld at RARS, Tirupati, A.P. |

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| 8 | **M. Srinivasa Reddy**, U. Vijaya Bhaskar Reddy and P. V. Ramesh Babu. 2017. Climate change on global food security. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 9 | P. N. Siva Prasad, P. Kavitha, M. Sreenivasa Chari and **M. Srinivasa Reddy**. 2014. Estimation of Potential buffering capacity (PBCK) of potassium in rice growing soils of Kurnool district, Society for Scientific Development in Agriculture and Technology, A.P. *Progressive Research*. 9 (Conf.Spl.): 449-452. |
| 10 | P. V. Ramesh Babu, **M. Srinivasa Reddy**, and U. Vijaya Bhaskar Reddy. 2017. Climate change and Indian Agriculture, two sides of the coin 'food security'. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 11 | M. Ashok Naik, K. Reddemma, **M. Srinivasa Reddy**, U. Vijaya Bhaskar Reddy and P. V. Ramesh Babu. 2017. Impact of Climate change on rain fed agriculture. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 12 | K. Reddemma, M. Ashok Naik, **M. Srinivasa Reddy**, U. Vijaya Bhaskar Reddy and P. V. Ramesh Babu. 2017. Climate fluctuations-A perspective on soil and plant potential related to sustainable production. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 13 | **M. Srinivasa Reddy**, U. Vijaya Bhaskar Reddy and P. V. Ramesh Babu. 2017. Economics and sustainability of land through improved farm implements. Paper presented at National seminar on climate resilient Agriculture for sustainable crop production held from 14-15th December, at RARS, Tirupati. |
| 14 | **M. Srinivasa Reddy**, U. Vijaya Bhaskar Reddy and P. V. Ramesh Babu. 2018. Improving and sustaining the soil productivity by conservation of natural farm resources. National seminar on "Futuristic Agriculture for Sustainable Food Security" 21st -23rd February at S.V. Agricultural College, Tirupati. |
| 15 | P. N. Siva Prasad, P. Kavitha, M. Sreenivasa Chari and **M. Srinivasa Reddy.** 2014. Distribution of Potassium Forms in relation with K uptake studies in rice growing soils of Kurnool district, Society for Scientific Development in Agriculture and Technology, A.P. *Progressive Research*. 9 (Conf.Spl.): 446-448. |

| **S.No** | **Research articles published in Peer reviewed and non-reviewed national and international journals** |
|---|---|
| 1. | V. Siva Jyothi, T. Giridhar Krishna, P. Kavitha and **M. Srinivasa Reddy.** 2013. Influence of levels of Phosphorus, FYM and green manure on rice yield and economics in a phosphorus rich vertisol. *The Andhra Agricultural Journal.* 60(4):828-831. |
| 2. | M. Madhu Kumar, P. Muniratnam and **M. Srinivasa Reddy.** 2013. Studies on the effect of nitrogen fertilization on growth and yield of sorghum (*Sorghum bicolor*) varieties during post rainy (maghi) season. *The Andhra Agricultural Journal.* 60(4):760-763. |
| 3. | M. Bhanu Praskah, **M. Srinivasa Reddy** and E. Aruna. 2013. Growth and Yield parameters of rice (*Oryza sativa*) influenced by nitrogen and phosphorus levels. *The Andhra Agricultural Journal*. 60(4):750-754. |
| 4. | M. Bhanu Praskah, **M. Srinivasa Reddy**, E. Aruna and P. Kavitha. 2013. Effect of N and P levels on growth parameters, yield parameters, yield, nutrient uptake and economics of rice (*Oryza sativa*). *Crop Research*. 45(1,2&3): 33-38. |
| 5. | M. Bhanu Praskah, **M. Srinivasa Reddy,** U. Vijaya Bhaskar Reddy and P.V. Ramesh Babu. 2014. Production Potential, economics and soil fertility of low land rice (*Oryza sativa*) as influenced by different levels of Nitrogen and Phosphorus. *Research Journal of Agricultural Sciences*. 5(5):1238-1241. |
| 6. | V. Thimmappa, **M. Srinivasa Reddy**, U. Vijaya Bhaskar Reddy and S. Tirumala Reddy. 2014. Effect of nitrogen levels and plant densities on growth parameters, yield attributes |

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| | and yield of kharif maize (*Zea mays* L.). *Crop Research.* 47(1,2&3): 29-32. |
| 7. | V. Thimmappa, **M. Srinivasa Reddy**, U. Vijaya Bhaskar Reddy, P. Umamaheswari and P.V. Ramesh Babu. 2015. Performance of *Kharif* Maize (*Zea Mays* L.) to different Nitrogen levels and Plant densities. *Research Journal of Agricultural Sciences*. 6(4): 738-741. |
| 8. | M. Nithin Krishna, **M. Srinivasa Reddy,** S. Tirumala Reddy, P. Kavitha. 2015. Effect of Nitrogen levels and Planting patterns on Growth Parameters, Yield attributes and Yield of Maize (*Zea mays* L.). *Research Journal of Agricultural Sciences*. 6(4):1301-1304. |
| 9. | P. V. Ramesh Babu, Ch. Pulla Rao, **M. Srinivasa Reddy,** U. Vijaya Bhaskar Reddy. 2015. Agronomic response of Castor (*Ricinus communis* L.) to different levels of Nitrogen and Phosphorus in Rice-Castor Cropping Sequence. *Research Journal of Agricultural Sciences*. 6(4):1261-1265. |
| 10. | B. Siva Kumar, **M. Srinivasa Reddy**, P. Kavitha, S. Tirumala Reddy. 2015. Influence of sowing dates and plant densities on yield and yield attributes of Soybean (*Glycine max* L. Merrill). *Research Journal of Agricultural Sciences*. 6(4):1240-1244. |
| 11. | H. Bhargavi, **M. Srinivasa Reddy**, S. Tirumala Reddy, P. Kavitha, U. Vijaya Bhaskar Reddy and P. V. Ramesh Babu. 2015. Production and Productivity of groundnut (*Arachis hypogaea* L) in relation to varieties and plant densities. *Research Journal of Agricultural Sciences*. 6(4):1214-1217. |
| 12. | J. Swamanna P. Kavitha, M. Sreenivasachari and **M. Srinivasa Reddy**. 2015. Potassium dynamics in relation with soil properties in rice growing soils of Kurnool (District), Andhra Pradesh. *Andhra Pradesh Journal of Agrilcultural Sciences*. 1(3): 15-20. |
| 13. | B. Siva Kumar, **M. Srinivasa Reddy**, P. Kavitha, S. Tirumala Reddy. 2015. Productivity of Soybean influenced by sowing dates and plant densities. *Andhra Pradesh Journal of Agricultural Sciences.* 1(3): 11-14. |
| 14. | P. N. Siva Prasad, P. Kavitha, M. Sreenivasa Chari and **M. Srinivasa Reddy**. 2015. Soil properties and forms of Potassium in rice growing soils of Kurnool (District).*The Andhra Agricultural Journal*. 62(4): 841-846. |
| 15. | P. N. Siva Prasad, P. Kavitha, M. Sreenivasachari and **M. Srinivasa Reddy**. 2016. Comparison of extraction methods to assess potassium availability for rice growing soils of canal ayacut of Kurnool district, Andhra Pradesh. *An Asian Journal of Soil Science.* 11(1):42-48. |
| 16. | J. Swamanna, P. Kavitha, M. Sreenivasachari and **M. Srinivasa Reddy**. 2015. Potassium release characteristics of rice growing soils in Kurnool district. *The Journal of Research*, ANGRAU. 43(1&2): 55-63. |
| 17. | H. Bhargavi, **M. Srinivasa Reddy**, S. Tirumala Reddy, P. Kavitha, U. Vijaya Bhaskar Reddy and P. V. Ramesh Babu. 2016. Productivity of Groundnut (*Arachis hypogaea* L) as influenced by varieties and plant densities. *Journal of Oilseeds Research*. 33(1): 83-86. |
| 18. | P. V. Ramesh Babu, Ch. Pulla Rao, R. Veeraraghavaiah, **M. Srinivasa Reddy**, U. Vijaya Bhaskar Reddy and G. Vijay Kumar. 2015. Production potential and economics of maize (*Zea mays*) as influenced by different nutrient levels under zero tilled condition in rice-maize cropping sequence. *Andhra Pradesh Journal of Agricultural Sciences*. 1(4): 94-99. |
| 19. | M. Ramanjeneyulu, **M. Srinivasa Reddy**, P. V. Ramesh Babu and P. Kavitha. 2016. Effect of secondary and micronutrients on yield and yield forming characters of maize (*Zea Mays* L.). *Andhra Pradesh Journal of Agricultural Sciences.* 2(2): 116-120. |
| 20. | T. Swami Chaitanya, P. Muniratnam and **M. Srinivasa Reddy**. 2016. Assessment of production potential of white sorghum under high input management in Vertisols. *Andhra Pradesh Journal of Agricultural Sciences*. 2(3): 211-217. |
| 21. | K. Satish Babu, P. V. Ramesh Babu, **M. Srinivasa Reddy** and P. Kavitha. 2016. Productivity and profitability of Maize (*Zea mays* L.) as influenced by higher levels of |

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| | NPK and Zn nutrition. *Andhra Pradesh Journal of Agricultural Sciences*. 2(3): 228-231. |
| 22. | V. Thimmappa and **M. Srinivasa Reddy**. 2016. Response of *Kharif* maize (*Zea mays* L.) to nitrogen levels and plant densities. *International Journal of Science and Nature*. 7(3): 501-503. |
| 23. | T. Swami Chaitanya, P. Muniratnam and **M. Srinivasa Reddy**. 2016. Effect of irrigation and nitrogen levels on growth, yield and economics of white Sorghum. *Progressive Research*. 11(IV):2795-2799. |
| 24. | I. Rajeevana, P. Kavitha, M. Sreenivasachari and **M. Srinivasa Reddy**. 2017. Comparison of extractants to assess potassium availability in soils of major cropping systems in Kurnool district. *Journal of Research*, ANGRAU. 45(2): 38-49. |
| 25. | H. Bhargavi, **M. Srinivasa Reddy** and U.Vijaya Bhaskar Reddy. 2017. Evaluation of influence of varieties and plant densities on growth and yield parameters of groundnut under irrigated conditions. *Trends in Biosciences*. 33(10): 7091-7093. |
| 26. | T. Swami Chaitanya, P. Muniratnam and **M. Srinivasa Reddy**. 2017. White Sorghum Productivity, N-Use efficiency in relation to irrigations and nitrogen levels in Vertisols. *Bulletin of Environment, Pharmacology and Life Sciences*. 2(6): 269-273. |
| 27. | Y. M. Swathy, **M. Srinivasa Reddy,** G. Prabhakar Reddy and P. Kavitha. 2017. Influence of density, planting patterns and mulching on yield of drip irrigated pigeonpea (*Cajanus cajan* (L.) Millsp). *Indian Journal of Agricultural Research*. 51(6):611-614 |
| 28. | T. Swami Chaitanya, P. Muniratnam, **M. Srinivasa Reddy** and P. Kavitha. 2017. Uptake of major nutrients as influenced by irrigations and different levels of nitrogen in white sorghum. *The Journal of Research*. ANGRAU. 45(4): 50-54. |
| 29. | K. Satish Babu P. V. Ramesh Babu, **M. Srinivasa Reddy** and P. Kavitha. 2017. Production potential, nutrient uptake and soil fertility status as influenced by higher levels of NPK and Zn nutrition in maize (*Zea mays* L.). *Research Journal of Agricultural Sciences*. 8(6): 1452-1454. |
| 30. | I. Rajeevana, P. Kavitha, M. Sreenivasa Chari and **M. Srinivasa Reddy**. 2017. Potassium release characteristics in relation to soil properties in soils of major cropping systems in Kurnool district. *Agropedology*. 27(01):10-18 |
| 31. | H. Bhargavi, **M. Srinivasa Reddy** and U. Vijaya Bhaskar Reddy. 2017. Influence of varieties and plant densities on growth and yield of groundnut (*Arachis hypogaea* L.) under irrigated conditions. *Andhra Pradesh Journal of Agricultural Sciences*. 3(2): 110-113. |
| 32. | U. Vijaya Bhaskar Reddy, G. Prabhakar Reddy, **M. Srinivasa Reddy** and P. Kavitha. 2018. Effect of different nitrogen and phosphorus levels on growth and yield of maize during *Kharif* season. *International Journal of Current Microbiology and Applied Sciences.* 7(1):3548-3555. |
| 33. | Y. M. Swathy, **M. Srinivasa Reddy**, G. Prabhakar Reddy and P. Kavitha. 2018. Efficacy of Polyethylene Mulch Technology in Improving Growth, Flowering Behavior and Yield of Irrigated Pigeon pea in Andhra Pradesh. *International Journal of Current Microbiology and Applied Sciences*. 6:1769-1773. |
| 34. | P. N. Siva Prasad, P. Kavitha, M. Sreenivasa Chari and **M. Srinivasa Reddy.** 2018. Quantity-intensity of Potassium in rice growing soils of ayacut canal area of A.P. *International Journal of Chemical Studies*. 6(3)1323-1329. |
| 35. | M. Ramanjeneyulu, **M. Srinivasa Reddy**, P. V. Ramesh Babu and P. Kavitha. 2018. Effect of secondary and micronutrients on uptake, mobilization and partitioning of nutrients from source to sink in maize hybrid. *The Pharma innovation Journal*. 7(6): 396-400. |
| 36. | U. Vijaya Bhaskar Reddy, G. Prabhakar Reddy, **M. Srinivasa Reddy** and P. Kavitha. 2018. Nitrogen uptake and yield of maize as influenced by nitrogen and phosphorus levels during *Kharif* season. *International Journal of Current Microbiology and Applied Sciences*. 7(6): 1763-1773. |

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| 37. | G. Rajitha, **M. Srinivasa Reddy**, P. V. Ramesh Babu and P. Uma Maheshwari. 2018. Influence of Secondary and Micronutrients on Yield and Yield Components in Groundnut (*Arachis hypogaea* L.). *International Journal of Current Microbiology and Applied Sciences*. 7(09): 309-316. |
| 38. | M. Ramanjeneyulu, **M. Srinivasa Reddy**, P. V. Ramesh Babu and P. Kavitha. 2018. Effect of Secondary and Micronutrients on yield Forming Trains of Maize (*Zea mays* L.). *International Journal of Current Microbiology and Applied Sciences*. 7(7):1125-1131. |
| 39. | G. Rajitha, **M. Srinivasa Reddy**, P. V. Ramesh Babu and P. Uma Maheshwari .2018. Nitrogen uptake and yield of groundnut as influenced by secondary and micronutrients. *International Journal of Chemical Studies*. 6(5): 307-310. |
| 40. | M. Ashok Naik, P. V. Ramesh Babu, **M.Srinivasa Reddy,** and P. Kavitha. 2018. Effect of different herbicide combinations on weed Dynamics and Production potential of transplanted rice. *International Journal of Pure and Applied Bioscience*. 6(5): 742-747. |
| 41. | U. Vijaya Bhaskar Reddy, G. Prabhakar Reddy, **M. Srinivasa Reddy**, P. Kavitha and P. V. Ramesh Babu. 2018. Phosphorus uptake at different growth stages in relation to yield of maize as influenced by nitrogen and phosphorus levels during *Kharif* season.*International Journal of Chemical Studies*. 6(6):2871-2875. |
| 42. | K. Supriya, P. Kavitha, M. V. S. Naidu and **M.Srinivasa Reddy**. 2018. Soil-site suitability for the major crops of Mahanandi mandal in Kurnool district, Andhra Pradesh. *Advances in Bioresearch*. 9(6): 77-90. |
| 43. | K. Supriya, P. Kavitha, M. V. S. Naidu and **M.Srinivasa Reddy**. 2018. Land capability classification of Mahanandi mandal, Kurnool district, Andhra Pradesh. *Journal of Pharmacognosy and Phytochemistry*. 7(5): 3429-3433. |
| 44. | M. Ashok Naik, P. V. Ramesh Babu, **M.Srinivasa Reddy,** and P. Kavitha. 2018. Effect of different herbicide combinations on Growth, Yield and Economics of transplanted rice. *Research Journal of Agricultural Sciences*. 9: 1209-1211. |
| 45. | M. Susmitha, U. Vijaya Bhaskar Reddy, P. V. Ramesh Babu and **M. Srinivasa Reddy**. 2019. Efficacy of Different Herbicides on Weed dynamics and Yield Attributes in *Kharif* Blackgram [*Vigna mungo* (L.)]. *International Journal of Current Microbiology and Applied Sciences*. 8(6): 2026-2031. |
| 46. | L. Radha, P. V. Ramesh Babu, **M. Srinivasa Reddy** and P. Kavitha. 2019. Growth, yield and economics of finger millet (*Eleusine coracana* L.) as influenced by varieties and levels of nutrients. *The Pharma Innovation Journal*. 8(6): 1009-1012. |
| 47. | K. Reddemma, **M. Srinivasa Reddy**, P. V. Ramesh Babu and P. Umamaheswari. 2019. Effect of different sowing dates on yield and yield attributes of *Rabi* blackgram (*Vigna mungo*L.) varieties in scarce rainfall zone of Andhra Pradesh. *Journal of Pharmacognosy and Phytochemistry*. 8(4): 2275-2278. |
| 48. | U. Vijaya Bhaskar Reddy, G. Prabhakara Reddy, **M. Srinivasa Reddy**, P. Kavitha and P. V. Ramesh Babu. 2019. Potassium uptake at different growth stages in relation to yield of maize as influenced by various nitrogen and phosphorus levels during *Kharif* season. *International Journal of Chemical Studies*. 7(2): 75-81. |
| 49. | M. Ashok Naik, P. V. Ramesh Babu, **M. Srinivasa Reddy** and P. Kavitha. 2019. Effect of weed management practices on weed density and yield of transplanted rice. *Journal of Pharmacognosy and Phytochemistry*. 8(4): 678-682. |
| 50. | A. Anjaneyulu Naik, **M. Srinivasa Reddy**, P.V. Ramesh Babuand P. Kavitha. 2019. Effect of plant density and nitrogen management on growth, yield and economics of Sweet Corn (*Zea mays* var Saccharata). *The Pharma Innovation Journal*. 8(6): 839-842 |
| 51. | K. Supriya, P. Kavitha, M. V. S. Naidu and **M. Srinivasa Reddy**. 2019. Characterisation, classification and evaluation of soils in semi-arid region of Mahanandi Mandal in Kurnool district of Andhra Pradesh. *Journal of the Indian Society of Soil Science*. 67: 125-136. |

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| 52. | A. Anjaneyulu Naik, **M. Srinivasa Reddy**, P. V. Ramesh Babuand P. Kavitha. 2020. Effect of plant density and nitrogen management on uptake of major nutrients in Sweet Corn (*Zea mays* var Saccharata). *International Journal of Current Microbiology and Applied Sciences*. 9 (06): 10-15. |
| 53. | A. Anjaneyulu Naik, **M. Srinivasa Reddy**, P. V. Ramesh Babuand P. Kavitha. 2020. Effect of plant density and nitrogen management on quality parameters and post- harvest available soil nutrients of sweet corn (*Zea mays* var Saccharata). *International Journal of Chemical Studies*. 1(8):1966-1969. |
| 54. | K. Supriya, P. Kavitha, M. V. S. Naidu and **M. Srinivasa Reddy**. 2019. Assessment of nutrient status of soils in Mahanandi mandal, Kurnool district of Andhra Pradesh. *Bulletin of Environment, Pharmacology and Life Sciences*. 8(8): 95-101. |
| 55. | I. Rajeevana, P. Kavitha, M. Sreenivasachari and **M. Srinivasa Reddy**. 2017. Fixation and release pattern of potassium under graded levels of potassium application in soils of Kurnool district. *Agriculture update*. 12(3): 820-827. |
| 56. | **M. Srinivasa Reddy**, U. Vijaya Bhaskar Reddy, S. Tirumala Reddy and H. Bhargavi. 2013. Importance of Silicon in plants. *Agribios News Letter*. 1: 33. |

### 6.5.2.3.2Dr. U. Vijaya Bhaskar Reddy, Associate Professor, Department of Agronomy

| S.No | Training programmes |
|---|---|
| 1 | Participated and successfully completed the short course on ”Futuristic agricultural education” sponsored by the lndian Council of Agricultural Research, New Delhi, conducted by the Department of Agronomy, S. V. Agricultural College, Tirupati for a period of 10 days from 15th to 24th September, 2016. |
| 2 | Attended one day National seminar on “Agronomic approaches for climate resilience in agriculture” at RARS, Nandyal on 02.05.2016. |
| 3 | Participated and successfully completed the training programme on "Advanced Weed Management Technology Options for Crop Production in lndian Agriculture" sponsored by the lndian Council of Agricultural Research, New Delhi, conducted by the Department of Agronomgy" Tamil Nadu Agricultural University, Coimbatore for a period of 2l days from 22.02.2018 to 14.03.2018. |

| S.No | Seminars/Workshops |
|---|---|
| 1 | M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy** and P. V. Ramesh Babu. 2017. Climate change on global food security. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 2 | P. V. Ramesh Babu, M. Srinivasa Reddy and **U. Vijaya Bhaskar Reddy**. 2017. Climate change and Indian Agriculture, two sides of the coin ‘food security’. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 3 | M. Ashok Naik, K. Reddemma, M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy** and P. V. Ramesh Babu. 2017. Impact of Climate change on rain fed agriculture. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 4 | K. Reddemma, M. Ashok Naik, M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy** and P. V. Ramesh Babu. 2017. Climate fluctuations-A perspective on soil and plant potential related to sustainable production. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 5 | M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy** and P. V. Ramesh Babu. 2017. Economics and sustainability of land through improved farm implements. Paper presented at National seminar on climate resilient Agriculture for sustainable crop |

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| | production held from 14-15 December, at RARS, Tirupati. |
| 6 | M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy** and P. V. Ramesh Babu. 2018. Improving and sustaining the soil productivity by conservation of natural farm resources. National seminar on "Futuristic Agriculture for Sustainable Food Security" 21st -23rd February at S.V. Agricultural College, Tirupati. |

| S.No | Research articles published in Peer reviewed and non-reviewed national and international journals |
|---|---|
| 1. | M. Bhanu Praskah, M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy** and P. V. Ramesh Babu. 2014. Production Potential, economics and soil fertility of low land rice (*Oryza sativa*) as influenced by different levels of Nitrogen and Phosphorus.*Research Journal of Agricultural Sciences*. 5 (5):1238-1241. |
| 2. | V. Thimmappa, M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy** and S. Tirumala Reddy. 2014. Effect of nitrogen levels and plant densities on growth parameters, yield attributes and yield of kharif maize (*Zea mays* L.). *Crop Research*. 47(1,2&3):29-32. |
| 3. | V. Thimmappa, M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy**, P. Umamaheswari and P. V. Ramesh Babu. 2015. Performance of *Kharif* Maize (*Zea Mays* L.) to different Nitrogen levels and Plant densities. *Research Journal of Agricultural Sciences*. 6(4):738-741. |
| 4. | P. V. Ramesh Babu, Ch. Pulla Rao, M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy**. 2015. Agronomic response of Castor (*Ricinus communis* L.) to different levels of Nitrogen and Phosphorus in Rice-Castor Cropping Sequence. *Research Journal of Agricultural Sciences*. 6 (4):1261-1265. |
| 5. | H. Bhargavi, M. Srinivasa Reddy, S. Tirumala Reddy, P. Kavitha, **U. Vijaya Bhaskar Reddy** and P. V. Ramesh Babu. 2015. Production and Productivity of Groundnut (*Arachis hypogaea* L) in relation to varieties and plant densities. *Research Journal of Agricultural Sciences*. 6(4):1214-1217. |
| 6. | H. Bhargavi, M. Srinivasa Reddy, S. Tirumala Reddy, P. Kavitha, **U. Vijaya Bhaskar Reddy** and P. V. Ramesh Babu. 2016. Productivity of groundnut (*Arachis hypogaea* L) as influenced by varieties and plant densities. *Journal of Oilseeds Research*. 33(1): 83-86. |
| 7. | P. V. Ramesh Babu, Ch. Pulla Rao, R. Veeraraghavaiah, M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy** and G. Vijay Kumar. 2015. Production potential and economics of maize (*Zea mays*) as influenced by different nutrient levels under zero tilled condition in rice-maize cropping sequence. *Andhra Pradesh Journal of Agricultural Sciences*.1(4): 94-99. |
| 8. | H. Bhargavi, M. Srinivasa Reddy and **U. Vijaya Bhaskar Reddy.** 2017. Evaluation of influence of varieties and plant densities on growth and yield parameters of groundnut under irrigated conditions. *Trends in Biosciences.* 10(33): 7091-7093. |
| 9. | H. Bhargavi, M. Srinivasa Reddy and **U. Vijaya Bhaskar Reddy**. 2017. Influence of varieties and plant densities on growth and yield of groundnut (*Arachis hypogaea* L.) under Irrigated Conditions. *Andhra Pradesh Journal of Agricultural Sciences*. 3(2): 110-113. |
| 10. | **U. Vijaya Bhaskar Reddy**, G. Prabhakar Reddy, M. Srinivasa Reddy and P. Kavitha. 2018. Effect of different nitrogen and phosphorus levels on growth and yield of maize during *Kharif* season. *International Journal of Current Microbiology and Applied Sciences*. 7(1):3548-3555. |
| 11. | **U. Vijaya Bhaskar Reddy**, G. Prabhakar Reddy, M. Srinivasa Reddy and P. Kavitha. 2018. Nitrogen uptake and yield of maize as influenced by nitrogen and phosphorus levels during *Kharif* season. *International Journal of Current Microbiology and Applied* |

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| | *Sciences*. 7(6):1763-1773. |
| 12. | **U. Vijaya Bhaskar Reddy**, G. Prabhakar Reddy, M. Srinivasa Reddy, P. Kavitha and P. V. Ramesh Babu. 2018. Phosphorus uptake at different growth stages in relation to yield of maize as influenced by nitrogen and phosphorus levels during *Kharif* season.*International Journal of Chemical studies*. 6(6):2871-2875. |
| 13. | M. Susmitha, **U. Vijaya Bhaskar Reddy**, P. V. Ramesh Babu and M. Srinivasa Reddy. 2019. Efficacy of Different Herbicides on Weed dynamics and Yield Attributes in Kharif Blackgram [*Vigna mungo* (L.)]. *International Journal of Current Microbiology and Applied Sciences*. 8(6): 2026-2031 |
| 14. | **U. Vijaya Bhaskar Reddy**, G. Prabhakara Reddy, M. Srinivasa Reddy, P. Kavitha and P. V. Ramesh Babu. 2019. Potassium uptake at different growth stages in relation to yield of maize as influenced by various nitrogen and phosphorus levels during *Kharif* season. *International Journal of Chemical Studies*. 7(2): 75-81. |
| 15. | M. Srinivasa Reddy, **U. Vijaya Bhaskar Reddy**, S. Tirumala Reddy and H. Bhargavi. 2013. Importance of Silicon in plants. *Agribios News Letter*. 1: 33. |

### 6.5.2.3.3Dr. P. V. Ramesh Babu, Assistant Professor, Department of Agronomy

| S.No | Training programmes |
|---|---|
| 1. | Participated in ISPP South zone seminar on Physiological and molecular interventions for improving crop productivity organized by Department of Crop Physiology, Agricultural College, Bapatla on 23rd January, 2014. |
| 2. | Attended Foundation course for faculty of Agricultural Universities at NAARM, Hyderabad from 1st -30th of May, 2015. |
| 3. | Orientation Training programme for NSS officers, University Orientation and Training Center, Andhra University, Visakhapatnam2015. |
| 4. | Refresher Training programme for NSS officers, University Orientation and Training Center, Andhra University, Visakhapatnam, 2016, |
| 5. | Workshop on Mainstreaming climate change and disaster reduction in Agriculture curiculum, 2016. |
| 6. | Attended Andhra Pradesh Agri Tech Summit on small farmers and small farming at Visakhapatnam, Andhra Pradeshfrom 15th to 17th November, 2017 |
| 7. | Attended National seminar on Agronomic approaches for climate resilience in Agriculture, RARS, Nandyal on 2nd May, 2017. |
| 8. | Faculty personality development programme at Agricultural College, Mahanandion 31.03.2017. |
| 9. | Participated in Workshop on Advanced Entrepreneur skill at IABM, S.V. Agricultural College, Tirupati, Andhra Pradeshfrom 27.09.2018 to 29.09.2018. |
| 10. | National workshop on “Startup culture and mentorship under IDP at University of Agricultural Sciences, Darwad, Karnataka, on 3rd and 4th of March, 2020. |
| 11. | Five days online training programme on Contemparory Education Technologies for Agricultural Education” at ICAR-NAARM, Hyderabad from 02.06.2020 to 06.06.2020 under IDP, ANGRAU |

| S.No | Seminars/Workshops |
|---|---|
| 1 | G. Vijay Kumar, A. S. Rao, K. L. Narasimha Rao, Y. Ashoka Rani, K. Jayalalitha, P. Prasuna Rani and **P. V. Ramesh Babu .** 2014.Climate change- prosperity or adversity. National seminar on Clomate change- crop improvement and management strategies for food security at Agricultural College, Bapatla. |
| 2 | M. Srinivasa Reddy, U. Vijaya Bhaskar Reddy and **P. V. Ramesh Babu**. 2017. Climate change on global food security. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 3 | **P. V. Ramesh Babu**, M. Srinivasa Reddy, and U. Vijaya Bhaskar Reddy. 2017. Climate change and Indian Agriculture, two sides of the coin 'food security'. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 4 | M. Ashok Naik, K. Reddemma, M. Srinivasa Reddy, U. Vijaya Bhaskar Reddy and **P.V. Ramesh Babu**. 2017. Impact of Climate change on rain fed agriculture Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 5 | K. Reddemma, M. Ashok Naik,M. Srinivasa Reddy, U.Vijaya Bhaskar Reddy and **P.V. Ramesh Babu**. 2017. Climate fluctuations-A perspective on soil and plant potential related to sustainable production. Paper presented at National seminar on Agronomic approaches for climate resilience in Agriculture 2nd May, RARS, Nandyal. |
| 6 | M.Srinivasa Reddy, U.Vijaya Bhaskar Reddy and **P.V. Ramesh Babu**. 2017. Economics and sustainability of land through improved farm implements. Paper presented at National seminar on climate resilient Agriculture for sustainable crop production held from 14-15th December, at RARS, Tirupati. |
| 7 | M. Srinivasa Reddy, U. Vijaya Bhaskar Reddy and **P. V. Ramesh Babu**. 2018. Improving and sustaining the soil productivity by conservation of natural farm resources. National seminar on "Futuristic Agriculture for Sustainable Food Security" 21st-23rd February at S.V. Agricultural College, Tirupati. |

| S. No | Research articles published in Peer reviewed and non-reviewed national and international journals |
|---|---|
| 1. | **P. V. Ramesh Babu,** Ch. Pulla Rao, R. Veeraraghavaiah, G. Vijaya Kumar and K. Viiay Kumar. 2014. Growth, Yield and Nutrient Uptake of Rice Fallow Maize under different Levels of Nitrogen and Phosphorus Applied to Preceding *Kharif* Rice and different Fertilizer Schedules given to Succeeding Maize. *Research Journal of Agricultural Sciences*. 5(2): 188-192. |
| 2. | **P. V. Ramesh Babu,** Ch. Pulla Rao and R. Veeraraghavaiah. 2014. Growth, Yield and economics of Rice Fallow Castor under different Levels of Nitrogen and Phosphorus Applied to Preceding *Kharif* Rice and different Fertilizer Schedules given to Succeeding Castor crop. *Indian Journal of Agricultural Research*. 48 (3): 217-221. |
| 3. | G. Vijay Kumar, G. L. N. Reddy, Y. Ashoka Rani, **P. V. Ramesh Bau** and K. Vijay Kumar. 2014. Role of homobrassinolide and kinetin on hysiological, biochemical parameters and yield of chickpea under water stress conditions. *Bioinfolet.* 11(4B): 1146-1155. |
| 4. | M. Bhanu Praskah, M. Srinivasa Reddy, U. Vijaya Bhaskar Reddy and **P. V. Ramesh Babu**. 2014. Production potential, economics and soil fertility of low land rice (*Oryza sativa*) as influenced by different levels of Nitrogen and Phosphorus. *Research Journal of Agricultural Sciences*. 5 (5):1238-1241. |
| 5. | V. Thimmappa, M. Srinivasa Reddy, U. Vijaya Bhaskar Reddy, P. Umamaheswari and **P. V. Ramesh Babu**. 2015. Performance of *Kharif* Maize (*Zea Mays* L.) to different Nitrogen levels and Plant densities. *Research Journal of Agricultural Sciences*. 6 |

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| | (4):738-741. |
| 6. | **P. V. Ramesh Babu**, Ch. Pulla Rao, M. Srinivasa Reddy and U. Vijaya Bhaskar Reddy. 2015. Agronomic response of Castor (*Ricinus communis* L.) to different levels of Nitrogen and Phosphorus in Rice-Castor Cropping Sequence. *Research Journal of Agricultural Sciences*. 6 (4):1261-1265. |
| 7. | H. Bhargavi, M. Srinivasa Reddy, S. Tirumala Reddy, P. Kavitha, U. Vijaya Bhaskar Reddy and **P. V. Ramesh Babu.** 2015. Production and productivity of groundnut (*Arachis hypogaea* L) in relation to varieties and plant densities. *Research Journal of Agricultural Sciences*. 6(4):1214-1217. |
| 8. | H. Bhargavi, M. Srinivasa Reddy, S. Tirumala Reddy, P. Kavitha, U. Vijaya Bhaskar Reddy and **P. V. Ramesh Babu.** 2016. Productivity of groundnut (*Arachis hypogaea* L) as influenced by varieties and plant densities. *Journal of Oilseeds Research*. 33(1): 83-86. |
| 9. | **P. V. Ramesh Babu,** Ch. Pulla Rao, R. Veeraraghavaiah, M. Srinivasa Reddy, U. Vijaya Bhaskar Reddy and G. Vijay Kumar. 2015. Production potential and economics of maize (*Zea mays*) as influenced by different nutrient levels under zero tilled condition in rice-maize cropping sequence. *Andhra Pradesh Journal of Agricultural Sciences*. 1(4): 94-99. |
| 10. | E. Jeevanalakshmi, **P. V. Ramesh Babu,** G. Prabhakara Reddy, P. Umamaheswari and A. Prathap Kumar Reddy. 2017. Effect of foliar application of secondary nutrients and zinc on growth and yield of blackgram. *International Journal of Chemical Studies*. 5(6):944-947. |
| 11. | K. Sathish Babu, **P. V. Ramesh Babu** M. Srinivasa Reddy and P. Kavitha. 2017. Production potential, nutrient uptake and soil fertility status as influenced by higher levels of NPK and Zn nutrition on maize. *Research Journal of Agricultural Sciences*. 8(6): 1452-1454. |
| 12. | E. Jeevana Lakshmi, **P. V. Ramesh Babu,** G. Prabhakara Reddy and P. Umamaheswari. 2018. Primary Nutrients Uptake by Blackgram as Influenced by Secondary Nutrients and Zinc Nutrition. *Research Journal of Agricultural Sciences*. 9(2): 277-280. |
| 13. | K. Satish babu, **P. V. Ramesh babu**, M. Srinivas Reddy and P. Kavitha**.** 2016. Productivity and Profitability of Maize (*Zea mays*.L) as influenced by higher levels of NPK and Zn nutrition. *Andhra Pradesh Journal of Agricultural Sciences*. 2(3): 228-231. |
| 14. | M. Ramanjaneyulu, **P. V. Ramesh babu**, M. Srinivas Reddy and P. Kavitha.2016. Effect of secondary and micronutrients on yield and yield forming characteristics of maize (*Zea mays.L), Andhra Pradesh Journal of Agricultural Sciences*. 2(2): 116-120. |
| 15. | M. Ramanjineyulu, M. Srinivasa Reddy, **P. V. Ramesh Babu** and P. Kavitha. 2018. Effect of secondary and micronutrients on uptake, mobilization and partitioning of nutrients from source to sink in maize hybrid. *The Pharma Innovation Journal*. 7(6): 396-400. |
| 16. | U. Vijaya Bhaskar Reddy, G. Prabhakar Reddy, M. Srinivasa Reddy, P. Kavitha and **P. V. Ramesh Babu.** 2018. Phosphorus uptake at different growth stages in relation to yield of maize as influenced by nitrogen and phosphorus levels during *Kharif* season. *International Journal of Chemical studies*. 6(6):2871-2875. |
| 17. | M. Ramanjineyulu, M. Srinivasa Reddy, **P.V. Ramesh Babu** and P. Kavitha.2018. Effect of Secondary and Micronutrients on Yield Forming Traits of Maize (*Zea mays* L.). *International Journal of Current Microbiology and Applied Sciences*.7(7): 1125-1131. |
| 18. | M. Ashok Naik,**P. V.Ramesh babu**, M. Srinivas Reddy and P. Kavitha. 2018. Effect of different herbicide combinations on growth, yield and economics of transplanted rice. *Research Journal of Agricultural Sciences.* 9(6):1209-1211. |
| 19. | M. Ashok Naik,**P. V.Ramesh babu**, M. Srinivas Reddy and P. Kavitha. 2018. Effect of |

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| | different herbicide combinations on weed dynamics and production potential of transplanted rice.*International Journal of Pure and Applied Biosciences*. (5): 742-747. |
| 20. | M. Susmitha, U. Vijaya Bhaskar Reddy, **P.V. Ramesh Babu** and M. Srinivasa Reddy. 2019. Efficacy of Different Herbicides on Weed dynamics and Yield Attributes in *Kharif* Blackgram [*Vigna mungo*(L.)].*International Journal of Current Microbiology and Applied Sciences.* 8(6): 2026-2031. |
| 21. | U. Vijaya Bhaskar Reddy, G. Prabhakara Reddy, M. Srinivasa Reddy, P. Kavitha **and P. V. Ramesh Babu**. 2019. Potassium uptake at different growth stages in relation to yield of maize as influenced by various nitrogen and phosphorus levels during *Kharif* season. *International Journal of Chemical Studies*. 7(2): 75-81. |
| 22. | M. Ashok Naik, **P. V. Ramesh Babu**, M. Srinivasa Reddy and P. Kavitha. 2019. Effect of weed management practices on weed density and yield of transplanted rice.*Journal of Pharmacognosy and Phytochemistry.* 8(4): 678-682. |
| 23. | L. Radha, **P. V. Ramesh Babu**, M. Srinivasa Reddy and P. Kavitha. 2019. Growth, yield and economics of finger millet (*Eleusine coracana*L.) as influenced by varieties and levels of nutrients. *The Pharma Innovation Journal.* 8(6): 1009-1012. |
| 24. | A. Anjaneyulu Naik, M. Srinivasa Reddy, **P.V. RameshBabu** and P. Kavitha. 2019. Effect of plant density and nitrogen management on growth, yield and economics of sweet corn (*Zea mays*var. Saccharata), *The Pharma Innovation Journal.* 8(6): 839-842. |
| 25. | K. Reddemma, M. Srinivasa Reddy, **P. V. Ramesh Babu** and P. Umamaheswari. 2019. Effect of different sowing dates on yield and yield attributes of rabi blackgram (*Vigna mungo*L.)varieties in scarce rainfall zone of Andhra Pradesh.*Journal of Pharmacognosy and Phytochemistry.* 8(4): 2275-2278. |
| 26. | A. Anjaneyulu Naik, M. SrinivasaReddy, **P. V. Ramesh Babu**, P. Kavitha and G. Fareeda. 2020. Effect of plant density and nitrogen management on quality parameters and post-harvest available soil nutrients of sweet corn (*Zea mays*var Saccharata). *International Journal of Chemical Studies.* 8(1): 1966-1969. |
| 27. | A. Anjaneyulu Naik, M. Srinivasa Reddy, **P. V. Ramesh Babu** and P. Kavitha. 2020. Effect of plant density and nitrogen management on uptake of major nutrients in sweet corn (*Zea mays* var saccharata). *International Journal of Current Microbiology and Applied Sciences*. 9(6):2319-2322. |

| S.No | Popular Articles |
|---|---|
| 1. | **P. V. Ramesh babu**, A. Chandrakala, D.G.M. Saroja,M. Jayalakshmi and M. Purushotham Reddy. March, 2013.Neti vyavasayam lo sendriya eruvula pramukyam-prayojanaalu. Rythubandhu, 18-19. |
| 2. | **P. V. Ramesh babu,** G. Vijay Kumar, G. Chitti Babu, A. Chandrakala and D.G.M. Saroja, April, 2013. Vesavilo lothu dukkulu- Avasyakatha, Rythubandhu, 12-13. |
| 3. | M. Purushothaam Reddy, M. Jayalakshmi,D.G.M. Saroja and**P. V. Ramesh Babu**. 2013. Jeevana eruvula pramukyatha. Rythubandhu, 10-11. |
| 4. | M. Jayalakshmi, M. Purushotham Reddy, **P. V. Ramesh Babu**, K. Renuka Devi and D.G. M. Saroja, 2013. Choudu bhoomula yajamanya paddathulu, Rythubandhu. 53-54. |
| 5. | D.G.M. Saroja,M. Purushotham Reddy,M. Jayalakshmi and **P. V. Ramesh Babu**. 2013. August lometta pantalalo paatinchaalasina sasya rakshana charyalu. Annadatha. 32. |
| 6. | G. Chitti Babu, B. Swathi, **P. V. Ramesh babu** andK. Vijay Kumar, 2013. Danyam nilvalo jagarthalu, Rythubandhu, 8-9. |
| 7. | G. Vijay Kumar,**P.V. Ramesh Babu,**K. Vijay Kumar, G. Chitti Babu and A. Chandrakala,2013. Mulberry thotalalo paatinchavalasina samagra saya rakshanaa paddathulu. Rythubandhu, 28-29. |

### 6.5.2.3.4Dr. A. Prasanna Rajesh, Professor and Head, Department of Genetics and Plant Breeding

| Training programs Organized | | | | | |
|---|---|---|---|---|---|
| **S.No** | **Name of the training Programme** | **Place** | **Date (No. Of days)** | **Type of trainees** | **Organized under** |
| 1. | Training programme on groundnut production technology & seed production | ARS, Kadiri | 6th& 7th Feb 2015 **(2 days)** | AO's & AEO's of Kadiri Division (40 Members) | NMOOP |
| 2. | | ARS, Kadiri | 23rd& 24th Feb 2015 **(2 days)** | Input dealers of Kadiri division (40 Members) | NMOOP |
| 3. | Awareness on Protection of Plant Varieties and Farmers Rights Act 2001 | ARS, Kadiri | 26th Feb' 2015 **(1 day)** | 30 Farmers of Kadiri Division | KVK, Reddipalli Anantapur |
| 4. | Refresher training programme on groundnut seed production technology | ARS, Kadiri | 1st to 3rd July 2015 **(3 day)** | 70 MPEO's of Kadiri, Madakasira & Hindupur division | Agricultural Department & ARS, Kadiri |
| 5. | An Integrated training programme on groundnut seed production certification, processing and storage | ARS, Kadiri | 27th Oct' 2015 to 12th Jan' 2016 **(Season long)** | 50 Field Staff of NGO's (WASSAN, MYRADA, REDS, HANDS & RDT etc.,) | NGO of WASSAN |
| 6. | Modified Season Long Training programme on Polambadi "Seed Production in groundnut" | Bapatla | 20-24th December, 2019 | All the ADAs & MAOs in the Guntur district | APHRDI, Bapatla |

| Work shops | | | |
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| **S. No** | **Type of Event** | **Date** | **Venue** |
| 1. | All India Annual Groundnut Work shop (Participated) | 24th to 26th April 2012 | RARS, Tirupati |
| 2. | Inauguration of the chapter of Genetics & Plant Breeding (AP) (Participated) | 27th& 28th July, 2012 | RARS, Tirupati |
| 3. | All India Annual Groundnut Work shop (Organised) | 12th to 14th April 2015 | ARS, Kadiri |

| S. No | Research articles published in Peer reviewed and non-reviewed national and international journals |
|---|---|
| 1. | **A. Prasanna Rajesh,** M. Reddi Shekhar, K. Raja Reddy and K. S. S. Naik. 2012. Variability and genetic association studies of yield, physiological and confectionery traits in 28 $F_2$ crosses in groundnut (*Arachis hypogaea*. L). *Journal of Research*, ANGRAU. |

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| | 40(2): 107-111. |
| 2. | **A. Prasanna Rajesh,** K. Raja Reddy, M. Reddi Shekhar and K.S.S. Naik. 2012. Combining ability studies of yield, physiological and confectionary traits in groundnut" (*Arachis hypogaea*. L). *Journal of Research*, ANGRAU. 40(2):117-123. |
| 3. | K. Vemana , T. E. Seshadri goud, A. M. Anthony Johnson, J. G. Padma, C. S. Mahammed Khureshee, S. Shabbir, N. C. Venkateswarlu, **A. Prasanna Rajesh,** K.S.S. Naik, D. Sampath Kumar and D. L. Reddy. 2013. Tobacco streak virus isolates GN-TSV-12 coat protein (CP) gene, complete cds (KC 478069)(Gene Sequence). *NCBI Sequence Viewer,* Bethedsa, USA |
| 4. | M. Sudharani, **A. Prasanna Rajesh,** V. Jayalakshmi and K. Rajyalakshmi. 2012. A comprehensive review on molecular basis of salinity tolerance and heterotic effects in rice (*Oryza sativa* L.) under saline soils. *International Journal of Applied Biology and Pharmaceutical Technology*. 28-33. |
| 5. | M. Sudharani, **A. Prasanna Rajesh,** V. Jayalakshmi and K. Rajyalakshmi. 2012. A brief review on genetic divergence in rice for yield contributing traits and quality parameters. *International Journal of Applied Biology and Pharmaceutical Technology*. 44-48. |
| 6. | S. K. Sameera, **A. Prasanna Rajesh,** V. Jayalakshmi, P. J. Nirmala and T. Srinivas. 2015. Genetic variability studies for yield and yield components in rice" (*Oryza sativa* L.). *Electronic journal of Plant Breeding*. 6(1): 269-273. |
| 7. | A. Lokeshwar Reddy, T. Srinivas, **A. Prasanna Rajesh** and P. Umamaheshwari. 2016. Genotype x environment interaction studies in rainfed groundnut (*Arachis hypogea* L.). *Electronic Journal of Plant Breeding*. 7(4): 953-959. |
| 8. | A. Lokeshwar Reddy, T. Srinivas, **A. Prasanna Rajesh** and P. Umamaheshwari. 2017.Stability analysis for yield and quality traits in drought tolerant groundnut genotypes. *Environment and Ecology*. 35(3A): 1993-1997. |
| 9. | A. Lokeshwar Reddy, T. Srinivas, **A. Prasanna Rajesh** and P. Umamaheshwari. 2018. Genetic variability and association analysis for yield and yield component traits in groundnut. *Green Farming*. 9(4): 586-590. |
| 10. | CH. Santhi Priya, D. Ratna Babu, **A. Prasanna Rajesh**, N. Hari Satyanarayana, V. Manoj Kumar and V. Srinivasa Rao. 2019. Multivariant analysis using principal component analysis for various traits in Mungbean. *Journal of Pharmacognosy and Phytochemistry*. 8(5): 2425-2429. |
| 11. | CH. Santhi Priya, D. Ratna Babu, **A. Prasanna Rajesh**, N. Hari Satyanarayana, V. Manoj Kumar and V. Srinivasa Rao. 2020. Genetic distance among mungbean germplasm pertaining to grain yield and yield components. *International Journal of chemical Studies*. 8(4). 2045-2050. |
| 12. | A.L. Rathnakumar, Surendra S. Manohar, Hajisaheb L. Nadaf, Sudam C. Patil, Milind P. Deshmukh, P.P. Thirumalaisamy, Narendra Kumar, H.B Lalwani, P. Nagaraju, Basavaraj Yenagi, S. S. Patil, J. Suryawanshi, J. Khatod, C.T. Kumbhar, D.K. Kathmale, K.S.S. Naik**, Prasanna Rajesh**, K. Vemana, s. sundaravadana, N. Premalatha, Murali T. Variath, s. Chaudhari, T. Radhakrishnan, Manish K. Pandey, Rajeesv K. varshney, Pasupuleti Janila. 2020. GXE interaction in QTL introgression lines of Spanish type groundnut (*Arachis hypogaea* L.). *Euphytica*. 216: 85. |

| **Radio talks** | | | |
|---|---|---|---|
| **S. No** | **Topic** | **Date of Recording /Broadcasting** | **Station** |
| 1. | "The groundnut varieties suitable for rainfed area" | 17-08-2012 | AIR, Ananthapuramu |
| 2. | "New Varieties in Groundnut their package of practices and seed production techniques" | 25-03-2014 | AIR, Ananthapuramu |
| 3. | "Important Techniques in Preserving | 03-05-2014 | AIR, |

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| | Groundnut for Seed Purpose" | | Ananthapuramu |
| 4. | "The Groundnut Varieties Suitable for *rabi* Season and Techniques in Seed Production" | 06-09-2014 | AIR, Ananthapuramu |
| 5. | "The Groundnut Varieties Suitable for *rabi* Season" | 14-11-2014 | AIR, Ananthapuramu |
| 6. | "Seed Production in *rabi* Groundnut and its Preservation Techniques" | 23-01-2015 | AIR, Ananthapuramu |
| 7. | " Rabi Verusanaga Rakalu, Vittanothpathilo theesukovalasina melakuvalu" Interview | 18.09.2018 | AIR, Vijayawada |

| **Development for information materials (Booklets)** | | | |
|---|---|---|---|
| **S. No** | **Year** | **Topic** | **Authors** |
| 1 | 2013 | Verusenaga Rakalu | Dr. D. Lokandha Reddy,<br>Dr. K.Siva Sankar Naik,<br>Dr. D. Sampath Kumar,<br>**Dr. A. Prasanna Rajesh**<br>Dr. K. Vemana<br>Dr. N. C. Venkateswarlu<br>Sri. E. Chandrayudu |
| | | Verusenga sagu-Yajamanyam Paddhathulu | Dr. D. Lokandha Redy,<br>Dr. K. Siva Sankar Naik<br>Dr. D. Sampath Kumar,<br>**Dr. A. Prasanna Rajesh,**<br>Dr. K. Vemana,<br>Dr. N. C. Venkateswarlu,<br>Sri. E. Chandrayudu |
| | | Verusenuga sagu-Sankethika Parignanamu | Dr. D. Lokandha Reddy,<br>Dr. K.Siva Sankar Naik,<br>Dr. D. Sampath Kumar,<br>**Dr. A. Prasanna Rajesh,**<br>Dr. K. Vemana<br>Dr. N. C. Venkateswarlu<br>Sri. E. Chandrayudu |
| 2 | 2015 | Success story of RKVY project on Development of High Yielding Groundnut Varieties With Resistance to Peanut Stem Necrosis Disease | Dr. K. Vemana,<br>**Dr. A. Prasanna Rajesh,**<br>Dr. K. S. S. Naik,<br>Dr. D. Lokanadha Reddy,<br>Dr. N. C. Venkateswarlu,<br>Mr. T.E. Seshadri goud,<br>Mr. C. S. Md Khureshi,<br>Mr. S. Shabbir |
| | | Success story of RKVY project on Development of High Yielding Groundnut Varieties With Resistance to Drought | **Dr. A. Prasanna Rajesh,**<br>Dr. K. S. S. Naik,<br>Dr. D. Lokanadha Reddy,<br>Dr. K. Vemana,<br>Dr. N. C. Venkateswarlu,<br>Mr. T. Sankara Narayana |

| Involved in the development of varieties | | | |
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| **S. No** | **Groundnut Variety** | **Year** | **Salient features** |
| 1. | Kadiri-6 | 2002 | Pedigree : JL-24 x Ah 316/S<br>Habit Group : Spanish Bunch<br>Originating Centre : ANGRAU, ARS, Kadiri-515591(AP)<br>Duration (Days) : 100-105<br>Pod Yield (Kg/ha) : Kharif: 1800-2400<br>Rabi : 3800-4200<br>Oil Content (%) : 48.0<br>Salient Features : Early, High Yielding. |
| 2. | Kadiri-7Bold | 2009 | Pedigree:ICGV86522X(ICG(FDRS)10XICGV91172<br>Habit group: Virginia Bunch<br>Pod yield kg/ha: *kharif :*2000-2500<br>*rabi*:4000-5000<br>Duration (Days):120-125<br>Oil content (%) : 49<br>Salient Features :Confectionary bold High Protein (29%), High TSS (14%) |
| 3. | Kadiri-8Bold | 2009 | Pedigree: {ICGV86522 X ICG(FDRS)10}X ICGV91172<br>Habit group: Virginia *Bunch*<br>Pod yield kg/ha: *kharif:* 2500-3000*rabi*:3500-4000<br>Duration (Days):*115-120*<br>Oil content (%) : *49*<br>Salient Features: Large seeded, high yielding. Tolerant to leafspot and sucking pests. |
| 4. | Kadiri-9 | 2009 | Pedigree: Kadiri-4XVemana<br>Habit group: Spanish Bunch<br>Duration ( Days) : 105-110<br>Pod Yield (Kg/ha): Kharif : 1800-2400<br>Rabi : 3800-4200<br>Oil Content (%) : 52.2<br>Salient Features : Early, Multipleresistant to drought, Thrips, Jassids, Mite, LLS, Rust, dry root rot and High Yielding. |
| 5. | Anantha | 2010 | Pedigree:Vemana X Girnar- 1<br>Habit group: ***Spanish Bunch***<br>Pod yield kg/ha:2500-300***0*** k***harif***<br>3800-4200 ***Rabi***<br>Duration(Days):***100-105***<br>Oil content (%):***48***<br>Salient Features:Tolerant to drought,leaf spots& sucking pests |
| 6. | Kadiri Harithandhra<br>(National level | 2010 | Pedigree:91/57-2 X I476177(ICGX930181P3)<br>Habit group: *Spanish Bunch*<br>Pod yield kg/ha : *2000-2500 kharif*<br>4000-*5000 rabi* |

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| | release) | | Duration (Days):*105-110*<br>Oil content (%): *48*<br>Salient Features: Resistant to drought, Leaf spots, and thrips. |
| 7. | Kadiri Amaravathi | 2016 | Pedigree: Kadiri 6XNCAc 2242(ICG5044)<br>Habit Group: Spanish Group<br>Pod yield kg/ha : 1200-2250<br>Shelling % : 65<br>Duration (Days) : 115-120<br>Oil content (%) : 50<br>Salient Features: Multiple resistant to Drought, Sucking Pests, PSND, PBND & Leaf spot diseases, with attractive kernel quality like Kadiri-6 |
| 8. | Kadiri Chithravathi (National level release) | 2019 | Pedigree: Kadiri 7Bold X TAG 24<br>It is an early, high yielding ,fresh seed dormant, variety resistant to diseases (LLS, & Rust), and sucking pests (Thrips and Jassids) |
| 9. | Kadiri Lepakshi<br><br>(National level release) | 2019 | Pedigree: ((ICGV 92069 x ICGV 93184)SIL4 ICGV 98300)<br>Habit Group: Spanish Bunch<br>Pod yield kg/ha : 3514<br>Shelling % : 70<br>Duration (Days) : 107-113 (112)<br>High yielding coupled with multiple resistance forbiotic and abiotic (Drought) stresses, attractive, shiny kernel with high oil (51%) and more protein (28%) quality like Kadiri-6 |

### 6.5.2.3.5 Dr.A.Trivikram Reddy, Assistant Professor, Department of Genetics and Plant Breeding

| S.No | Training programmes |
|---|---|
| 1. | Workshop on "Bioinformatics and Computational Biology in Agriculture (by Genome Life Sciences)" at UAS, GKVK, Bangaloreon 19th June 2015. |
| 2. | Training Programme on "Protection of Plant Varieties and Farmer's Rights Act" at UAS, GKVK, Bangaloreon 19th June 2015. |
| 3. | Zonal workshop cum training programme on Cluster FLDs on Pulses and Oilseeds at ICAR ATARI, Hyderabadon Feb 27th and 28th 2017. |
| 4. | Training programme on Faculty Personality Development at Agricultural College, Mahanandion 01.04.2017. |
| 5. | ICAR sponsored Winter School on Genomic, Proteomic and Metabolomic application in crop improvement (21 days) at Junagadh Agricultural University, Junagadh, Gujarathfrom 4th to 24th September, 2017. |
| 6. | Training programme to scientists on seed production at RARS, Nandyalon 08.06.18. |
| 7. | Training Programme on "Genomics Assisted Crop Breeding Techniques" atPunjab Agricultural University, Ludhiana, Punjabfrom 22.01.2019 to 11.02.2019. |
| 8. | Online MOOC on Psychology of Learning from 1-15th May, 2020. |
| 9. | Chickpea scientists Meeting at IIPR, Kanpur from 10thand 11th March, 2008. |
| 10. | Annual group Meeting of AICSIP, at TNAU, Coimbatore from 27th Feb to March, 2010. |
| 11. | Annual Group Chickpea meet at College of Agri. Indorefrom 29th to 31st August, 2010. |

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| 12. | Annual Group Chickpea meet at UAS, GKVK, Bangalorefrom 20th to 22nd Aug, 2011. |
| 13. | Rabi Pulses Scientist Meet at IIPR, Kanpur on 16th and 17th Feb, 2012. |
| 14. | Annual Group Chickpea meet at GB. Pant University of Agriculture and Technology, Panthnagarfrom 1st -3rd Sep, 2012. |
| 15. | National Seminar on Plant Microbe Interactions at Agri Biotech Foundation, Rajendranagar, Hyderabad on 5th and 6th November, 2014. |
| 16. | Annual Group meet of AICRP on Chickpea at IIPR, Kanpur and ARS, Kalaburagi (Gulbarga)from 29th to 31st August, 2016. |
| 17. | National Seminar on Agronomic Approaches for Climate Resilience in Agriculture at RARS, Nandyalon 2nd May, 2017 |
| 18. | National conference on Pulses at UAS, GKVK, Bangaloreon 21st and 22nd May, 2016 |
| 19. | PG Science Week at UAS, GKVK, Bangaloreon 25th and 28th May, 2016. |
| 20. | Annual Group meet of AICRP on Chickpea at IIPR, Kanpur and Bhopalfrom 28th to 30th August, 2017. |
| 21. | Genomics for food, health and nutrition at ICRISAT, Hyderabadon 14th May, 2020 |
| 22. | Recent Biotechnological tools for crop Improvement at ANGRAU, Lamon 24th June, 2020. |
| 23. | Applications of omics in climate smart Agriculture at MPKV, Rahurifrom 30th April to 02nd May, 2020. |
| 24. | Advanced Plant Breeding Techniques in the omics era: current status and future prosperctives at Pachhunga University College and Mizoram Universityfrom 24-26th June, 2020. |
| 25. | National level COVID-19 awareness QUIZ at Ranveer Rananjay PG college, Amethi, UPon 6th July, 2020. |
| 26. | E-quiz on Biotechnology in Nature conservations and Agriculture at JAU, Junagardh |
| 27. | Farmer producer organization and commodity markets from 27th -28th July, 2020 at AAU, Anandon 28th July, 2020. |
| 28. | Genomic assisted breeding for chickpea improvement at Bioingene webinars on Plant Science Researchon 1st July, 2020. |
| 29. | Development of climate change resilient rice varieties through molecular breedingat Bioingene webinars on Plant Science Research on 6th July, 2020. |
| 30. | Development of genetic and genomic resources in foxtail millet: Progress and prospects at Bioingene webinars on Plant Science Researchon 8th July, 2020. |
| 31. | Journey from Biofortification in food cropsincluding nutritional traits in varietal identification and release in Pearlmillet at Bioingene webinars on Plant Science Researchon 9th July, 2020. |
| 32. | Understanding Plant Virus Interaction to Identify Novel antiviral Weapon in the plant Aresenal at Bioingene webinars on Plant Science Researchon 13th July, 2020. |
| 33. | Plant viral disease: Economic Implications & their management at Bioingene webinars on Plant Science Researchon 15th July, 2020. |
| 34. | Improvemnet of storage, stability and productivity of rice through genetic engineering at Bioingene webinars on Plant Science Researchon 18th July, 2020. |
| 35. | Mainstreaming underutilized crops: The story of foxtail millet at Bioingene webinars on Plant Science Researchon 6th August 2020. |
| 36. | International e-conference on Genetics & Plant Breeding Research in Post Covid 19 era at CCSU, Meerut, U.Pfrom 13 th -14 th June 2020. |

| S. No | Research articles published in Peer reviewed and non-reviewed national and |
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| | international journals |
|---|---|
| 1. | V.Jayalakshmi, G.Jyothirmayi, **A.Trivikrama Reddy**and C.Kiran Kumar Reddy.2011.Genetic variability for drought tolerance and yield traits in chickpea.*Journal of Food Legumes*.24(1): 33-35. |
| 2. | V.Jayalakshmi and **A.Trivikrama Reddy.** 2013.Combining ability analysis of quantitative traits in chickpea (*Cicer aritinum*L.). *The Andhra Agricultural Journal.* 60(2):304-308. |
| 3. | V.Jayalakshmi, C.Kiran Kumar Reddy, G.Jyothirmayi and **A.Trivikrama Reddy.** 2016.Studies on genetic diversity in chickpea utilizing morphological and total seed protein markers. *Legume Research*.39 (2):323-325. |
| 4. | **A.Trivikrama Reddy**, Jayarame Gowda and M. Saifulla. 2016.Identification of Sources Resistant to Dry root rot caused by *Macrophomina phaseolina* (Tassi) in chickpea (*Cicer aritinum* L.). *Mysore Journal of Agricultural Sciences*.50(2): 369-371. |
| 5. | **A.Trivikrama Reddy**, Jayarame Gowda, R.L.Ravikumar, A.Mohan Rao, S. Ramesh and Mohammed Saifulla. 2016.Resistance Source Identification for Dry root rot disease in Chickpea.*Advances in Life Sciences*.5(21): 9767-9770. |
| 6. | **A.Trivikrama Reddy**, M. Reddi Sekhar, G. Lakshmikantha Reddy and V. Jayalakshmi. 2017.Correlation and Path Analysis of Kernel Yield and its Components in Groundnut (*Arachis hypogaea* L.). *International Journal of Current Microbiology and Applied Sciences*.6(12): 10-16. |
| 7. | **A.Trivikrama Reddy**, M. Reddi Sekhar, A. Vijayabharathi, T. Lakshmi Pathy, G.Lakshmikantha Reddy and V. Jayalakshmi. 2017. Studies on Combining Ability and Heterosis for Yield and its Component Traits in Groundnut (*Arachis hypogaea* L.), *International Journal of Current Microbiology and Applied Sciences*. 6(12): 551-559. |
| 8. | **A. Trivikrama Reddy**, T. Lakshmipathy, A. Vijayabharathi and Jayarame Gowda. 2017.Non Parametric Methods For Analyzing Stability of Chickpea (*Cicer aritinum*L.) Genotypes.*The Bioscan*.13(1): 223-229. |
| 9. | **A. Trivikrama Reddy,** Jayarame Gowda, V. Jayalakshmi, A. Vijayabharathi and T. Lakshmi Pathy. 2017.Variability studies for Morphological Traits in the $F_2$ population of chickpea (*Cicer arietinum* L.).*Trends in Biosciences*.10(48): 9583-9586. |
| 10. | V. Jayalakshmi, **A. Trivikrama Reddy** and K.V. Nagamadhuri, 2017. Genetic diversity and variability for protein and micro nutrients in advance breeding lines and chickpea varieties grown in Andhra Pradesh. *Legume Research*. Print ISSN:0250-5371 / Online ISSN:0976-0571: LR-3933 [1-5]: DOI:10-18805/LR-3933 |
| 11. | S. Jaffar Basha, V. Jayalakshmi, **A. Trivikrama Reddy**, N. Kamakshi and Khayum Ahammed. 2018.Evaluation of Profitable Alternate Crops for Chickpea (*Cicer arietinum* L.).*International Journal of Pure and Applied Biosciences*. 6 (6):480-482. |
| 12. | S. Jaffar Basha, V. Jayalakshmi, **A. Trivikrama Reddy**, N. Kamakshi and Khayum Ahammed. 2018.Response of Chickpea (*Cicer arietinum* L.) Varieties to Irrigation and Phosphorous Levels in Vertisols. *International Journal of Pure and Applied Biosciences*. 6 (5): 1001-1004. |
| 13. | S. Jaffar Basha, V. Jayalakshmi, **A. Trivikrama Reddy**, N. Kamakshi and Khayum Ahammed. 2018.Conservation agricultural practices for enhancing productivity of chickpea (*Cicer arietinum* L.) in rainfed areas. *Journal of Pharmacognosy and Phytochemistry*. 7 (5): 1748-1750. |
| 14. | S. Jaffar Basha, V. Jayalakshmi, **A. Trivikrama Reddy**, N. Kamakshi and Khayum Ahammed. 2018. Estimate of growth and yield parameters of chickpea (*Cicer arietinum* L.) cultivars amenable to mechanical harvesting.*Journal of Pharmacognosy and Phytochemistry*. 7 (5): 2089-2091. |
| 15. | V. Jayalakshmi and **A. Trivikrama Reddy**. 2018. Genetic diversity assessment of Indian chickpea varieties for protein and micronutrient composition.*Electronic Journal* |

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| | *of Plant Breeding*.9(4): 1370-1377. |
| 16. | V. Jayalakshmi **A. Trivikrama Reddy**, B. Vishnu and M. Mohammed Imran, 2019. Genetic Variability and Character Association Studies In Chickpea (*Cicer arietinum* L.) with Special Reference To Traits Amenable To Combine Harvesting.*Journal of Research*, ANGRAU. 48 (1): 9-19 |

| S.No | Popular articles |
|---|---|
| 1. | A. Vijaya Bharathi, T. Lakshmi Pathy and **A. Trivikrama Reddy**. 2016. CRISPER/Cas 9: Implications and Applications in Plant Breeding.*Agrobios News Letter*. 40(8):92-93. |
| 2. | A. Vijaya Bharathi, **A. Trivikrama Reddy** and T. Lakshmi Pathy. 2016. Epicuticular wax: Superhydrophobicity plant surface in plant abiotic stress. *Agrobios News Letter*. 40(2):28-29. |
| 3. | **A. Trivikrama Reddy**, T. Lakshmi Pathy and A. Vijaya Bharathi. 2016. Digital PCR and its applications. *Agrobios News Letter* . 40(2):121-122. |
| 4. | T. Lakshmi Pathy, A. Vijaya Bharathi and **A. Trivikrama Reddy**. 2016. Prediction of hybrid performance by heterotic haplotype capture.*Agrobios News Letter*. 40(3): 102-103. |
| 5. | T. Lakshmi Pathy, **A. Trivikrama Reddy** and A. Vijaya Bharathi. 2016. Non-parametric stability measures in plant breeding.*Agrobios News Letter*. 40(9):82-83. |
| 6. | T. Lakshmi Pathy, A. Vijaya Bharathi and **A. Trivikrama Reddy**. 2017. AMMI and GGE stability models in plant breeding. *Agrobios News Letter*. 45(8):111-112. |
| 7. | A. Vijaya Bharathi, **A. Trivikrama Reddy** and T. Lakshmi Pathy. 2017. Magic Populations for Crop Improvement. *Agrobios News Letter*. 40(8):112. |
| 8. | A. Vijaya Bharathi, T. Lakshmi Pathy and **A. Trivikrama Reddy**. 2017. Manipulation of Guard cells and Stomata to Improve Water Use Efficiency. *Agrobios News Letter*. 40(10):22-23. |

| Popular varieties developed | | | |
|---|---|---|---|
| **S. No** | **Crop** | **Details of the variety& Year** | **Salient Features** |
| 1 | Chickpea | Nandyala sanaga 1 (NBeG 3) 2012-13 | High yielding variety of Chickpea tolerant to moisture stress conditions. |
| 2 | Chickpea | NBeG 47 (Dheera), 2015-16 | Desiline suitable for **mechanical harvesting** in Andhra Pradesh as **'Dheera'**. The variety has yield potential of 22-25 q/ha with a duration of 90- 105 days. |
| 3 | Chickpea | Nandyala Gram 119 (NBeG 119), 2015-16 | **High yielding large seeded Kabuli** line has been identified at All India level for release in Southern Zone comprising of Andhra Pradesh, Karnataka and Tamil Nadu. The variety has yield potential of 22-24 q/ ha with a duration of 90- 100 days and with a 100 seed weight of 40g. |
| 4 | Chickpea | Nandyala Gram 49 (NBeG 49), 2016-17 | High yielding variety of Chickpea with attractive grain colour. Performs well compared to JG 11 under receding soil moisture conditions. |
| 5 | Chickpea | Nandyala Gram 452 | High yielding desi variety recommended as |

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| | | (NBeG 452),2019-20 | better alternative to JG 11 |
| 6 | Sorghum | Nandyal Tella Jonna – 5 (NJ 2647), 2018-19 | High yielding variety of White Jowar |
| 7 | Sorghum | Nandyal Pacha Jonna – 15 (NJ 2446), 2018-19 | High yielding variety of Yellow Jowar |
| 8 | Tobacco | NBD-119, 2013-14 | High yielding Bidi Tobacco variety with low nicotine content. |
| 9 | Foxtail Millet | Suryanandi (SiA-3088), 2012-13 | High yielding extra short duration variety of Foxtail millet suitable to Chickpea cropping systems |
| 10 | Foxtail Millet | SiA 3156, 2013-14 | High yielding medium duration variety of Foxtail millet |
| 11 | Foxtail Millet | Garuda (SiA 3222), 2019-20 | High yielding extra early duration (60-62 days) variety suitable for intercropping in Redgram. |
| 12 | Foxtail Millet | Renadu (SiA-3223), 2019-20 | High yielding medium duration (86-90 days) variety suitable for kharif (rainfed), rabi and summer (irrigated) seasons. |

**Major projects handled**

| Year | Details of the project | Funding agency | Amount (Rs. in lakhs) | PI/ Co-PI |
|---|---|---|---|---|
| 2013-17 | **NFSM Project** on "Developing chickpea cultivars suited to mechanical harvesting and tolerant to herbicides." Code No C 1 -2013/1- AHD – F 30/1430 | ICRISAT collaborative project. | 53 lakhs | Co-PI |
| 2013-17 | **RKVY Project** on "Development of high yielding and extra large seeded kabuli chickpeas suitable for export purpose and/ or mechanical harvest." Code No C 1 -2013/1- AHD – F 30/1430 | GOI | 12 lakhs | Co-PI |
| 2017-18 | 'Delivering more produce and income to farmers through enhancing genetic gains for chickpea and pigeonpea'. Code No C 1 -2017/4- AHD – F 30/1430 | DAC- FW | 35 lakhs | Co-PI |

### 6.5.2.3.6 Smt. N. Sabitha, Assistant Professor, Department of Genetics and Plant Breeding (On long Leave)

### 6.5.2.3.7Dr. A. Lokeshwar Reddy, Teaching Associate, Department of Genetics and Plant Breeding

| S.No | Trainingprogrammes |
|---|---|
| **1.** | Workshop on Scientific/Technical Writing at CCS HAU, Hisar on 18-19$^{th}$ April, 2017. |
| **2.** | Workshop on Scientific Writing, e-books and Publications at CCS HAU, Hisar on 12$^{th}$April, 2017. |
| **3.** | Seminar on Elsevier empowering Agriculture research in India in association with CeRA at CCS HAU, Hisar on 24$^{th}$ August, 2018. |
| **4.** | International workshop on molecular mapping of economic traits using high throughput technologies at CCS HAU, Hisar on 08-17$^{th}$ July, 2019. |

| S.No | Seminars/Workshops |
|---|---|
| 1 | **A. Lokeshwar Reddy,** G. Chandra Mohan Reddy and SusmitaDey. 2018. Climate change: A Breeders Perspective**.** 2nd International Conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future at Meerut, Uttar Pradesh. |
| 2 | **A. Lokeshwar Reddy,** G. Chandra Mohan Reddy and SusmitaDey. 2018. Shortening of Breeding cycle in fruit crops. International conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences at Durgapura, Jaipur, Rajasthan. |
| 3 | **A. Lokeshwar Reddy** and T. Srinivas. Genotype x Environment studies in drought tolerant groundnut. International conference on microbes for biotechnologies innovations at MDU, Rothak, 7th Dec, 2018. |
| 4 | **A. Lokeshwar Reddy** and T. Srinivas. Genetic variability studies in drought tolerant groundnut genotypes. International symposium on innopreneurship: A need of sustainable agriculture at CCSHAU, Hisar, 2-3rd Feb, 2019. |
| 5 | **A. Lokeshwar Reddy** and T. Srinivas. Mean performance of groundnut genotypes for yield, physiological and quality character across different seasons. 2nd International conference on food security, nutrition and sustainable agriculture- emerging technology at BFGI, Bathinda, Punjab. 14-16th Feb, 2019. |
| 6 | **A. Lokeshwar Reddy** and T. Srinivas. Multivariate analysis using PCA for yield and yield component traits in groundnut genotypes. International conference on climate change towards health and agricultural sustainability at GJU, Hisar, 18-20th Feb, 2019. |
| 7 | **A. Lokeshwar Reddy** and T. Srinivas. Character association studies for yield and yield component traits in groundnut. International seminar on sustainable environment & agriculture under global climate change at MDU, Rohtak, 21st Feb, 2019. |
| 8 | **A. Lokeshwar Reddy,** Renu Munjal and O.P. Bishnoi. Potential use of Bio diverse wheat germplasm for Abiotic stress Tolerance. National seminar on Bio diversity: Issues Challenges & Opportunities. CCS HAU, Hisar, 16-17thJuly, 2019. |
| 9 | **A. Lokeshwar Reddy** and T. Srinivas. Path co-efficient analysis for yield, physiological and quality traits in Groundnut.3rd International Conference Global Initiatives in Agricultural and Applied Science for Eco Friendly Environment. Kathmandu, Nepal, 16-18th June, 2019. |

| S.No | Research articles published in Peer reviewed and non- reviewed national and international journals |
|---|---|
| 1. | **A. Lokeshwar Reddy,** T. Srinivas, A. P. Rajesh and P. Umamaheshwari. 2016. Genotype x environment interaction studies in rainfed groundnut (*Arachis hypogea* L.). *Electronic Journal of Plant Breeding*. 7(4): 953-959. |
| 2. | **A. Lokeshwar Reddy,** T. Srinivas, A. P. Rajesh and P. Umamaheshwari. 2017.Stability analysis for yield and quality traits in drought tolerant groundnut genotypes. *Environment and Ecology.* 35(3A): 1993-1997. |
| 3. | **A. Lokeshwar Reddy**, CH. Madhan Mohan Reddy and T. Srinivas. 2017. Assessment of multivariate analysis for kernel yield and yield component traits in drought tolerant groundnut genotypes. *Plant Archives.* 17(2): 985-987. |
| 4. | **A. Lokeshwar Reddy** and T. Srinivas. 2017. Analysis of genetic diversity of thirty drought tolerant groundnut (*Arachis hypogea* L.) genotypes using principal component analysis. *Research Journal of Agricultural Sciences.* 8(6): 1432-1435. |
| 5. | **A. Lokeshwar Reddy**, T. Srinivas, A. P. Rajesh and P. Umamaheshwari. 2018. Genetic variability and association analysis for yield and yield component traits in groundnut. *Green Farming.* 9(4): 586-590. |

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| 6. | T. Srinivas, N. Siva Krishna, L.V. Subba Rao, N. K. Gayatri, P. Umamaheshwari, Y. Suneetha, **A. Lokeshwar Reddy** and K. Hrudayraj. 2017. Genetic variability and association analysis for quantitative traits of promoising early rice genotypes. *Advances in Life Sciences.* 5(20): 9341-9346. |
| 7. | B.N.V.S.R. Ravikumar, Y. Suneetha, P.V. Satyanarayana, T. Srinivas, G. Govardhan, **A. Lokeshwar Reddy,** N. Chamundeswari and M. Girija Rani. 2018. Development and evaluation of heterotic three line test cross hybrids in Rice suitable for Andhra Pradesh. *Multilogic in Science.* 8(28): 131-133. |
| 8. | Susmita Dey, Khusi Ram, A. K. Chhabra, **A. Lokeshwar Reddy** and D. K. Janghel. 2018. Aerobic Rice: Smart Technology of Rice Cultivation. *International Journal of Current Microbiology and Applied Sciences.* 7(8): 1799-1804 |
| **Book Chapters** | |
| **1.** | G. Chandra Mohan Reddy, M. Shafiqurrahaman, M. Santhosh Kumar and **A. Lokeshwar Reddy.** 2017. Horticulture Trade in India. Current status and Agrotechniques for Chilli Trade in India. New Delhi Publishers: Page No-169-183 |
| **Popular Articles** | |
| 1. | **A. Lokeshwar Reddy** and Susmita Dey. 2018. Robotics in Agriculture.*Agrobios Newsletter.* 16(9): 122. |
| 2. | **A. Lokeshwar Reddy,** Susmita Dey and K. Shankar Rao. 2017.Nano technology and its applications in crop improvement programmes. *Agrobios Newsletter.* 16(7): 75. |
| 3. | Susmita Dey and **A. Lokeshwar Reddy.** 2018.Significance of chemical-hybridizing agents in different crops. *Agrobios Newsletter.* 16(9): 115. |
| 4. | Susmita Deyand**A. Lokeshwar Reddy.** 2017.Soma-clonal variation and its application in Plant Breeding. *Agrobios Newsletter.* 16(6): 85. |

### 6.5.2.3.8Dr. P. Kavitha, Associate Professor & Head, Department of Soil Science and Agricultural Chemistry

| S.No | Trainingprogrammes |
|---|---|
| 1. | Attended Emerging trends in Agrinanotechnology organized by RARS, Tirupati from 11-12$^{th}$ March, 2015. |
| 2. | Attended Multiple crop modeling to improve resource use efficiency in Agriculture under changing climatic conditions organized by ARI,PJTSAU, Rajendra Nagar, Hyderabad from 3 to 23$^{rd}$, Dec2015. |
| 3. | Attended Teaching excellence through distance mode organized by ICAR, NAARM,Hyderabad from 3$^{rd}$ October-2 $^{nd}$November2016. |
| 4. | Attended Reformulating agribusiness strategies of experiential learning (EL) units towards attaining viability and self sustainability organized by S.V. Agricultural College Tirupati from 27.09.2018 to 29.09.2018. |

| S. No | Seminars/Workshops |
|---|---|
| 1. | National Seminar on Developments in Soil Science: Indian Society of Soil Science 79$^{th}$ Annual Convention, JISS, Hyderabad on Nov-24-27$^{th}$,2014. |
| 2. | V. Siva Jyothi, T. Giridhar Krishna, **P. Kavitha** and M. Srinivasa Reddy. Uptake of major nutrients of Rice (*Oryza sativa*) as influenced by Levels of Phiosphorus, Farm yard manure and green manure in High available P Vertisols. Paper presented at "National conference on Agro biodersity Management for sustainable Rural Development'' held at NAARM from October 14-15$^{th}$, 2013. |
| 3. | **P. Kavitha**,V. Siva Jyothi and P. N. Sivaprasad. 2014. Sustainable Food System with organic farming. Proceedings of National seminar on climate change, crop |

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| | improvement and Management strategies for food security held at Bapatla, A.P. |
| 4. | V. Siva Jyothi,**P. Kavitha** and Y. Pavan Kumar Reddy. 2014. Terrestrial sequestration of carbondioxide: Adaptation & Mitagation strategies.Proceedings of National seminar on climate change, crop improvement and Management strategies for food security held at Bapatla. A.P. |
| 5. | **P. Kavitha** and K. Jeevan Rao.Effect of Sewage Sludge and Urban Compost and FYM on yield uptake of heavy metals and enzyme activities of soil in tomato (*Lycopercicon esculentum.* Mill*).* Poster presented in National Seminar on Developments in Soil Science. Indian Society of Soil Science 79$^{th}$Annual Convention, JISSS, Hyderabad, Nov-24-27$^{th}$, 2014. |
| 6. | V. Siva Jyothi, T. Giridhar Krishna, **P. Kavitha** and M. Srinivasa Reddy. Effect of Phosphorus fertilization in conjunction with organics on soil nutrient status of rice in a phosphorus rich vertisols. National Seminar on developments in Soil Science. 79$^{th}$ Annual Convention,JISS, Hyderabad from Nov 24-27, 2014. |
| 7. | V. Siva Jyothi, T. Giridhar Krishna, **P. Kavitha** and M. Srinivasa Reddy. 2014. Influence of levels of phosphorus either alone or in conjunction with farm yard manure and green manure on rice yield and economics in a high soil available P vertisols. ISSP South Zonal Seminar on physiological and molecular interventions for improving crop productivity, at Agricultural College, Bapatla, A.P. |
| 8. | P.N. Siva Prasad, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. Quantity-Intensity parameters of potassium in rice growing soils of Kurnool (District), Andhra Pradesh. National Seminar on development in Soil Science. 79$^{th}$ Annual Convention, JISSS, Hyderabad from Nov 24-27, 2014. |
| 9. | P.N. Siva Prasad, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. Evaluation of extractants for prediction of available potassium in rice soils of canal ayacut of Kurnool (District). National Seminar on development in Soil Science.79$^{th}$ Annual Convention, JISS, Hyderabad fromNov 24-27, 2014. |
| 10. | P.N. Siva Prasad, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2014. Estimation of Potential buffering capacity (PBCK) of potassium in rice growing soils of Kurnool district, A.P.*Progressive Research,* 9 (Conf.Spl.):449-452. |
| 11. | P.N. Siva Prasad, **P. Kavitha**,M. Sreenivasachari and M. Srinivasa Reddy. 2014. Distribution of Potassium Forms in relation with K uptake studies in rice growing soils of Kurnool district, A.P. *Progressive Research.* 9 (Conf.Spl.):446-448. |
| 12. | J. Swamanna, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2015. Potassium release characteristics in rice growing soils of Kurnool (District). Paper presented in National Seminar on Developments in Soil Science: Indian Society of Soil Science 80$^{th}$ Annual Convention, University of Agricultural Sciences, Bangalore. |
| 13. | P. N. Siva Prasad, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2015. Potassium fractions in relation with soil properties in rice growing soils of Kurnool(District). Paper presented in National Seminar on Developments in Soil Science: Indian Society of Soil Science 80$^{th}$ Annual Convention, University of Agricultural Sciences, Bangalore. |
| 14. | P. N. Siva Prasad, P. Kavitha, M. Sreenivasachari and M. Srinivasa Reddy. 2015. Distribution of different forms of Potassium in rice growing soils of Kurnool(District). Paper presented in National Seminar on Developments in Soil Science. Indian Society of Soil Science 80$^{th}$ Annual Convention, University of Agricultural Sciences, Bangalore. |
| 15. | P. N. Siva Prasad, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. Determination of Potassium supplying power of Rice growing soils of Kurnool (District), A.P. by Neubaur's seeding method. Paper presented at National conference on "Emerging trends in Agri nanotechnology" (Agri NANO-2015) held |

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| | at RARS, Tirupati, Andhra Pradesh from 11-12th March, 2015. |
| 16. | I. Rajeevana, P. **Kavitha** andV.Siva jyothi. 2016. On farm strategies to improve carbon sequestration. National seminar on Agronomic approaches for climate resilience in Agriculture. |
| 17. | I. Rajeevana, **P.Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2017. Integrated approach for building soil health in sustainable Agriculture. National conference on doubling farmers income for sustainable and harmonious agriculture. |
| 18. | I. Rajeevana and **P.Kavitha.**2017 Crop rotation and crop sequencing in sustainable Agriculture. National conference on technological challenges in social environmental and agricultural reforms. |
| 19. | I. Rajeevana, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy.2017. Soil health management practices to prevent nitrous oxide emissions. National conference on technological challenges in social environmental and agricultural reforms. |
| 20. | I. Rajeevana, **P.Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2018. Potassium supplying power of soils in relation to plant up take and sorption,desorption studies. National seminar on futuristic agriculture for sustainable food security |

| **S.No** | **Research articles published in Peer reviewed and non reviewed national and international journals** |
|---|---|
| 1. | V. Siva Jyothi, T. Giridhar Krishna, **P. Kavitha** and M. Srinivasa Reddy. 2013. Influence of levels of Phosphorus, FYM and green manure on rice yield and economics in a phosphorus rich vertisol. *The Andhra Agricultural Journal.* 60(4):828-831. |
| 2. | V.Sivajyothi and **P.Kavitha.**2014. Concentration and uptake of Zinc by rice (*Oryza sativa.*L*)*as influenced by levels of phosphorous,farm yard manure and green manure in high available P vertisols. *Progressive Research.* 9(special):486-488. |
| 3. | V.Siva Jyothi,T.Giridhara Krishna and **P.Kavitha.**2014. Uptake of major nutrients of rice (*Oryza sativa.*L*)* as influenced by levels of phosphorous, Farm yard manure and green manure in high available P vertisols.*Green Farming*.5(4):592-595. |
| 4. | M. Bhanu Prakash, M.Srinivasa Reddy, E. Aruna and **P. Kavitha**. 2013.Effect of N and P levels on growth parameters, yield parameters, yield, nutrient uptake and economics of rice (*Oryza sativa*). *Crop Research.* 45(1,2&3):33-38. |
| 5. | V.Siva Jyothi,T.Giriddhara Krishna and **P.Kavitha.**2014.Study on the effect of phosphorous fertilization on soil properties in a phosphorous rich Vertisol. *Journal of Progressive Agriculture.*5(2): 95-98. |
| 6. | M. Nithin Krishna, M. Srinivasa Reddy, S.Tirumala Reddy and**P.Kavitha.** 2015. Effect of Nitrogen levels and Planting patterns on Growth Parameters, Yield attributes and Yield of Maize (*Zea mays* L.).*Research Journal of Agricultural Sciences*. 6(4):1301-1304. |
| 7. | B. Siva Kumar, M. Srinivasa Reddy, **P.Kavitha** and S.Tirumala Reddy. 2015. Influence of sowing dates and plant densities on yield and yield attributes of Soybean (*Glycine max* L. Merrill).*Research Journal of Agricultural Sciences*.6(4):1240-1244. |
| 8. | H. Bhargavi, M. Srinivasa Reddy, S.Tirumala Reddy, **P.Kavitha**, U.Vijaya Bhaskar Reddy and P.V. Ramesh Babu. 2015. Production and Productivity of Groundnut (*Arachis hypogaea* L) in relation to varieties and plant densities.*Research Journal of Agricultural Sciences*.6(4):1214-1217. |
| 9. | J. Swamanna**, P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2015. Potassium dynamics in relation with soil properties in rice growing soils of Kurnool |

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| | (District), Andhra Pradesh. *Journal of Agricultural Sciences*. 1(3): 15-20. |
| 10. | B. Siva Kumar, M. Srinivasa Reddy, **P.Kavitha** and S.Tirumala Reddy. 2015. Productivity of Soyabean as influenced by sowing dates and plant densities.*Journal of Agricultural Sciences.* 1(3): 11-14. |
| 11. | P.N. Siva Prasad, **P. Kavitha**, M. Sreenivasa Chari and M. Srinivasa Reddy. 2015. Soil properties and forms of Potassium in rice growing soils of Kurnool (District) *The Andhra Agricultural Journal*. 62(4): 841-846. |
| 12. | P.N. Siva Prasad, **P. Kavitha**, M. Sreenivasa Chari and M. Srinivasa Reddy. 2016. Comparison of extraction methods to assess potassium availability for rice growing soils of canal ayacut of Kurnool district, Andhra Pradesh. *An Asian Journal of Soil Science.* 11(1):42-48. |
| 13. | J. Swamanna,**P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2015. Potassium release characteristics of rice growing soils in Kurnool district.*The Journal of Research,* ANGRAU. 43(1&2): 55-63. |
| 14. | H. Bhargavi, M. Srinivasa Reddy, S.Tirumala Reddy, **P.Kavitha**, U.Vijaya Bhaskar Reddy and P.V. Ramesh Babu. 2016. Productivity of groundnut (*Arachis hypogaea* L) as influenced by varieties and plant densities.*Journal of Oilseeds Research.* 33(1): 83-86. |
| 15. | **P.Kavitha**, K. Jeevan Rao and G.Bhupal Raj.2016. Direct and residual effect of sewage sludge urban compost and FYM on organic carbon and organic matter fractions in Tomato- Cabbage Cropping Sequence. *The Andhra Agricultural Journal*. 63(3): 585-591. |
| 16. | M. Ramanjeneyulu, M. Srinivasa Reddy, P.V. Ramesh Babu and **P. Kavitha**. 2016. Effect of secondary and micronutrients on yield and yield forming characters of maize (*Zea mays* L.). *Journal of Agricultural Sciences.* 2(2): 116-120. |
| 17. | D.V.Sujatha, **P.Kavitha,** M. V. S. Naidu and P. Umamaheswari.2016. Influence of green manure and potassium on growth, yield and economics of rice (*Oryza sativa* L.*). The Journal of Research,*ANGRAU.44(3&4)43-49. |
| 18. | K. Satish Babu, P.V. Ramesh Babu, M. Srinivasa Reddy and **P. Kavitha**. 2016. Productivity and profitability of Maize (*Zea mays* L.) as influenced by higher levels of NPK and Zn nutrition.*Journal of Agricultural Sciences.* 2(3): 228-231. |
| 19. | D.V.Sujatha, **P.Kavitha,** M. V. S. Naidu and P. Umamaheswari.2017. Uptake of major nutrients of rice (O*ryza sativa* L.*)* as influenced by potassium and green manure at harvest stage. *Oryza.* 54 (1)107-110. |
| 20. | D.V.Sujatha, **P.Kavitha,** M. V. S. Naidu and P. Umamaheswari.2017. Effect of different levels of potassium and green manure on available K uptake and potassium use efficiency of rice *(Oryza.sativa*L.*). Madras Agriculture Journal*. 104(1-3): 10-14. |
| 21. | D.V.Sujatha, **P.Kavitha**andM. V. S. Naidu.2017. Influence of Green manure and potassium nutrition on soil potassium fractions and yield of rice.*International Journal of current microbiology and applied Sciences*. 6(11): 13-23. |
| 22. | D.V.Sujatha, **P.Kavitha,** M. V. S. Naidu and P. Umamaheswari. 2017. Effect of different levels of potassium and green manure on grain yield and soil properties of rice (*Oryza sativa.*L).*Bulletin of environment, Pharmacology and life sciences*. 6(2):77- 80. |
| 23. | I. Rajeevana and P. **Kavitha.**2017. Potassium release characteristics in relation to plant uptake in soils of major cropping systems in Kurnool district. *Madras Agricultural Journal.* 104(1-3): 28-31. |
| 24. | I. Rajeevana, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2017. Comparison of extractants to assess potassium availability in soils of major cropping systems in Kurnool district. *Journal of Research*, ANGRAU: 45(2): 38-49. |
| 24. | I. Rajeevana, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2017. |

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| | Fixation and release pattern of potassium under graded levels of potassium application in soils of Kurnool district.*Agriculture update.* 12(3): 820-827. |
| 26. | Y.M. Swathy, M. Srinivasa Reddy, G. Prabhakar Reddy and **P. Kavitha**. 2017. Influence of density, planting patterns and mulching on yield of drip irrigated pigeonpea (*Cajanus cajan*(L.) Millsp).*Indian Journal of Agricultural Research.*51(6):611-614. |
| 27. | T. Swami Chaitanya, P. Muniratnam, M. Srinivasa Reddy and **P. Kavitha**. 2017. Uptake of major nutrients as influenced by irrigations and different levels of nitrogen in white sorghum.*The Journal of Research,* ANGRAU, 45(4): 50-54. |
| 28. | K. Satish Babu, P.V. Ramesh Babu, M. Srinivasa Reddy and **P. Kavitha**. 2017. Production potential, nutrient uptake and soil fertility status as influenced by higher levels of NPK and Zn nutrition in maize (*Zea mays* L.).*Research Journal of Agricultural Sciences*. 8(6): 1452-1454. |
| 29. | I. Rajeevana, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2017. Potassium release characteristics in relation to soil properties in soils of major cropping systems in Kurnool district. *Agropedology.* 27(01):10-18. |
| 30. | U. Vijaya Bhaskar Reddy, G.Prabhakar Reddy, M. Srinivasa Reddy and **P. Kavitha**.2018. Effect of different nitrogen and phosphorus levels on growth and yield of maize during Kharif season.*International Journal of Current Microbiology and Applied Sciences.* 7(1):3548-3555. |
| 31. | Y.M. Swathy, M. Srinivasa reddy, G. Prabhakar Reddy and **P. Kavitha**. 2018. Efficacy of polyethylene mulch technology in improving growth, flowering behavior and yield of irrigated pigeonpea in Andhra Pradesh.*International Journal of Current Microbiology and Applied Sciences.* Special Issue-6:1769-1773. |
| 32. | P.N. Siva Prasad, **P. Kavitha**, M. Sreenivasachari and M. Srinivasa Reddy. 2018. Quantity–intensity of Potassium in rice growing soils of ayacut canal area of A.P. *International Journal of Chemical Studies*. 6(3): 1323-1329. |
| 33. | M. Ramanjeneyulu, M. Srinivasa Reddy, P.V. Ramesh Babu and **P. Kavitha**. 2018. Effect of secondary and micronutrients on uptake, mobilization and partitioning of nutrients from source to sink in maize hybrid. *The Pharma innovation Journal.* 7(6): 396-400. |
| 34. | U. Vijaya Bhaskar Reddy, G.Prabhakar Reddy, M. Srinivasa Reddy and **P. Kavitha**. 2018. Nitrogen uptake and yield of maize as influenced by nitrogen and phosphorus levels during kharif season. *International Journal of Current Microbiology and Applied Sciences.* 7(6):1763-1773. |
| 35. | M. Ramanjeneyulu, M. Srinivasa Reddy, P.V. Ramesh Babu and **P. Kavitha**. 2018. Effect of Secondary and Micronutrients on yield Forming Trains of Maize (*Zea mays* L.). *International Journal of Current Microbiology and Applied Sciences.* 7 (7):1125-1131. |
| 36. | M. Ashok Naik, P. V. Ramesh Babu, M. Srinivasa Reddy and **P.Kavitha.** 2018. Effect of different herbicide combinations on weed Dynamics and Production potential of transplanted rice.*International journal of Pure and Applied Bioscience.* 6(5): 742-747. |
| 37. | U. Vijaya Bhaskar Reddy, G.Prabhakar Reddy, M. Srinivasa Reddy, **P. Kavitha** and P. V. Ramesh Babu. 2018. Phosphorus uptake at different growth stages in relation to yield of maize as influenced by nitrogen and phosphorus levels during Kharif season.*International Journal of Chemical studies*. 6(6):2871-2875. |
| 38. | K. Supriya, **P. Kavitha,**M. V. S. Naidu and M. Srinivasa Reddy. 2018. Soil-site suitability for the major crops of Mahanandi mandal in Kurnool district, Andhra Pradesh.*Advances in Bioresearch*. 9(6): 77-90. |
| 39. | K. Supriya, **P. Kavitha,**M. V. S. Naidu and M. Srinivasa Reddy. 2018. Land capability classification of Mahanandi mandal, Kurnool district, Andhra Pradesh. |

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| | *Journal of Pharmacognosy and Phytochemistry.* 7(5):3429-3433. |
| 40. | M. Ashok Naik, P. V. Ramesh Babu, M. Srinivasa Reddyand **P.Kavitha**. 2018. Effect of different herbicide combinations on Growth, Yield and Economics of transplanted rice.*Research Journal of Agricultural Sciences.* 9:1209-1211. |
| 41. | L. Radha, P. V. Ramesh Babu, M. Srinivasa Reddy and **P. Kavitha**. 2019. Growth, yield and economics of finger millet (*Eleusine coracana* L.) as influenced by varieties and levels ofnutrients. *The Pharma Innovation Journal*. 8(6): 1009-1012 |
| 42. | U. Vijaya Bhaskar Reddy, G. Prabhakara Reddy, M. Srinivasa Reddy, **P. Kavitha** and P. V. Ramesh Babu. 2019. Potassium uptake at different growth stages in relation to yield of maize as influenced by various nitrogen and phosphorus levels during Kharif season. *International Journal of Chemical Studies.* 7(2): 75-81. |
| 43. | M. Ashok Naik, P. V. Ramesh Babu, M. Srinivasa Reddy and **P. Kavitha**. 2019. Effect of weed management practices on weed density and yield of transplanted rice. *Journal of Pharmacognosy and Phytochemistry*. 8(4): 678-682 |
| 44. | A. Anjaneyulu Naik, M. Srinivasa Reddy, P.V. Ramesh Babu and **P. Kavitha.** 2019. Effect of plant density and nitrogen management on growth, yield and economics of Sweet Corn (*Zea mays* var Saccharata). *The Pharma Innovation Journal.* 8(6): 839-842. |
| 45. | K. Supriya,**P. Kavitha**andM. V. S. Naidu.2019. Soil fertility mapping using GIS in Agricultural College Farm, Mahanandi in Kurnool district, Andhra Pradesh. *Bulletin of environment, Pharmacology and life sciences*. 8(8): 90-94. |
| 46. | K. Supriya, **P. Kavitha**, M. V. S. Naidu and M. Srinivasa Reddy. 2019. Charecterisation, classification and evaluation of soils in semi-arid region of Mahanandi Mandal in Kurnool district of Andhra Pradesh. *Journal of the Indian Society of Soil Science.* 67: 125-136. |
| 47. | A. Anjaneyulu Naik, M. Srinivasa Reddy, P.V. Ramesh Babu and **P.Kavitha**. 2020. Effect ofPlant Density and Nitrogen Management on Uptake of Major Nutrients in Sweet Corn (Zeamays var Saccharata). *International Journal of Current Microbiology and Applied Sciences*. 9(06):10-15. |
| 48. | A. Anjaneyulu Naik, M. Srinivasa Reddy, P.V. Ramesh Babu and **P.Kavitha**. 2020. Effect of plant density and nitrogen management on quality parameters and post-harvest available soil nutrients of sweet corn (*Zea mays* var Saccharata). *International Journal of Chemical Studies.* 1(8):1966-1969. |
| 49. | K. Supriya, **P. Kavitha**, M. V. S. Naidu and M. Srinivasa Reddy. 2019. Assessment of nutrient status of soils in Mahanandi mandal, Kurnool district of Andhra Pradesh *Bulletin of Environment, Pharmacology and Life Sciences.* 8(8):95-101. |

| S.No | Popular articles |
|---|---|
| 1. | R. V. Sagar Kumar Reddy, P. N. Sivaprasad and **P. Kavitha**.2013. Soil health and characteristics of a healthy soil. *AgrobiosNewsletter*. 12(4); 35-36 |
| 2. | **P. Kavitha** and P. N. Sivaprasad.2013. Soil Physical Constraints affecting cropproduction–Management. *AgrobiosNewsletter.* 12(14): 35-36 |
| 3. | **P. Kavitha** and P. N. Sivaprasad. 2014. Calcium in plant and soil. *AgrobiosNewsletter.* 13(2):67-68. |
| 4. | **P. Kavitha**, P. N. Sivaprasad and R. V. Sagar Kumar Reddy. 2014. Deficiency symptoms of sulphur in different crops and their management. *AgrobiosNewsletter.*12(10): 31-33. |
| 5. | H. Bhargavi, P. N. Sivaprasad and **P. Kavitha**. 2014. Soil Compaction.*AgrobiosNewsletter.*12 (14): 52-53. |
| 6. | P. Umamaheswari, **P. Kavitha**and B. Ravindranath Reddy.2014. Narumadilo zinc |

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| | and Iron avsakata. *Annadata,*May issue |
| 7. | P. N. Sivaprasad and **P. Kavitha.**2014. Tomato pandlathonilvapadartalatayari. *Annadata,*February issue |
| 8. | V. Sivajyothi, Y. Pavan Kumar Reddy, V. Deepthi and **P. Kavitha**.2014. Wealth from crop residues: A Functional approach for management.*SwarnaSedyam.* 18(2): 47-48. |
| 9. | P.V.GeethaSireesha,V.Sivajyothi, Y. Pavan Kumar Reddy and**P. Kavitha**.2014. Different Methods Of Carbon Sequestration A Potential Way To Restore The Soil Carbon. *SwarnaSedyam.* October issue |
| 10. | V. Sivajyothi, P. V. GeethaSireesha,Y. Pavan Kumar Reddy and **P. Kavitha**.2014. Ragi Cultivation Practices. *SwarnaSedyam.* September issue |
| 11. | V. Sivajyothi, P. V. GeethaSireesha,Y. Pavan Kumar Reddy and **P. Kavitha**. 2014. Is it biochar is safe:facts and apprehensions. *AgrobiosNewsletter.* 13(2):67-68. |
| 12. | V. Sivajyothi, P. V. GeethaSireesha,Y. Pavan Kumar Reddy and **P. Kavitha**. 2014. Pantalasagu lo zinc datvupradynatha. *Rytulokam,* August issue |
| 13. | **P. Kavitha,** P. Umamaheswariand P. N. Sivaprasad. 2015. Pradanapantallo zinc datulopalanivarana. *Annadata,*March issue |

### 6.5.2.3.9Sri. Y.S. Satish Kumar, Assistant Professor, Department of Soil Science and Agricultural Chemistry

| S.No | Training Programmes |
|---|---|
| **1.** | Emerging trends in Agrinanotechnologyheld at RARS, Tirupati from 11-12$^{th}$March 2015. |
| **2.** | Foundation course for faculty of Agricultural universities at NAARM, Hyderabad from 1-30$^{th}$May, 2015. |
| **3.** | Massive online course (MOOC) on Teaching Excellence by online at National Academy of Agricultural Research(NAARM), Hyderabad from 01-11-2019 to 30-11-2019 |
| **S. No** | **Seminars / Workshops** |
| **1.** | Participitated in National Seminar on Developments in Soil Science. Indian Society of Soil Science 79$^{th}$ Annual Convention JISS held at Hyderabad from 24-27$^{th}$ November 2014. |
| **2.** | Presented poster presentation in National Conference of Plant Physiology(NCPP-2016) on Challenges in crop physiology Research: From Molecular to Whole Plant at University of Agricultural Sciences, GKVK, Bengaluru during 08-10 December, 2016. |

| S.No | Research articles published in Peer reviewed and non-reviewed national and international journals |
|---|---|
| 1. | **Y.S.Satish Kumar**, M. V. S.Naidu, M. Madan Mohan and M.Vijaya Sai Reddy. 2013. Clay Mineralogy of soils originated from granite-gneiss parent matrial in vadamalapetamandal of Chittordistrict. *Progressive Research Journal*.8(1):73-77. |
| 2. | K. Surekha, **Y. S. Satish Kumar**, N. Sailaja and P. C. Latha.2013. Improving Productivity and Soil Properties in Rice Based Cropping Systems through Pre-Kharif Green Manuring. *The Andhra Agricultural Journal*. 60(2): 342-348. |
| 3. | S. Satish and **Y.S. Satish Kumar.**2013. Fertility & Nutrient Status of Bt Cotton Growing Soils in Kurnool District, Andhra Pradesh. *The Journal of Rural and Agricultural Research.* 13(1): 6-8. |
| 4. | K. Surekha and **Y. S. Satishkumar.** 2014. Productivity, Nutrient Balance, Soil Quality, and Sustainability of Rice (*Oryza sativa* L.) under Organic and Conventional Production Systems. *Communications in Soil Science and Plant Analysis*.45:415–428. |

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| 5. | S. Jaffar Basha,D.Venkatesh Babu and**Y.S.Satish Kumar.** 2017. Rice (*Oryza Sativa* L.) Response to Planting Geometry and Method of Planting. *International Journal of New Technologies in Science and Engineering*. 4(1):15-20. |
| 6. | P. Venkata Subbaiah and **Y. S. Satish Kumar.** 2019. Review on effect of inorganic and organic sources of nutrients and their integrated use on growth and yield of maize (*Zea mays* L.). *International Journal of Chemical Studies***.** 7(4): 896-901. |

| S.No | Popular articles |
|---|---|
| 1 | **Y.S.Satish Kumar**, P.Muniratnam and Y. Padmalatha. 2015. Bhusara Parikshalu-Prayojanalu. Annadatha Magazine, March. |
| 2 | B.Gopal Reddy,**Y.S.Satish Kumar**andD. Venkatesh babu. 2015. **Vitthana Nanyatha-Rythu Sthaeylo.** Souvenir released on South Zone Agricultural Fair at RARS, Lam, Guntur. |
| 3 | D. Venkatesh babu, **Y.S.Satish Kumar**,S.Jaffar Basha and B.Gopal Reddy. 2016. 2016.Nanyamina Vitthana Yempika- Vitthanothpathi lo Patinchavalasina Mukyamshalu. RythuNestham Magazine November. |
| 4 | D. Venkatesh babu, **Y.S.Satish Kumar**,S.Jaffar Basha and B.Gopal Reddy. 2016.Pantala Sagulo Vivida Poshakala Pramukyatha**.** RythuNestham Magazine December. |

### 6.5.2.3.10Dr L. Vijayabhaskar, Professor and Head, Department Entomology

| S.No | Training programmes |
|---|---|
| 1. | Five days Training programme on Efficient water management for enhancing the crop productivity for Departmental Staff at DAATTC, Ongole, APWSIP operating at ARS, Darsi. from 11 -15$^{th}$,2014. |
| 2. | Three Day Training programme on Increasing water productivity by efficient water management in agriculture for farmers during at APWSIP operating at ARS, Darsifrom 25 -27$^{th}$ March, 2014. |

| Radio / T.V. programmes | | | |
|---|---|---|---|
| **S.No** | **Name of the T.V./Radio programme** | **Date** | **Place** |
| 1. | IPM in Citrus Orchards | 26.08.2013 | AIR, Markapur |
| 2. | Sucking Pest management in Bt Cotton | 02.08.2013 | AIR, Markapur |
| 3. | IPM in Paddy | 28.11.2013 | AIR, Markapur |
| 4. | Chillies Pest and Diseases and Post harvest technology | 06.02.2014 | AIR, Markapur |
| 5. | Bhendipest&diseases andcontrol measures | 21.02.2013 | KVK, Utukur |
| 6. | Ridgegourd pests and diseases - control measures | 21.02.2013 | KVK, Utukur |

**Farmer's days / Field days conducted under AP Water Sector Improvement Project**

| S.No | Theme | Venue | Date |
|---|---|---|---|
| 1. | AWD in Transplanted rice Vs Continuous standing water in transplanted rice. | Lakkavaram, Tallur Mandal | 31.12.2014 |
| 2. | Drum seeded rice with AWD Vs Drum seeded rice with continuous standing water. | Reddynagar, Mundlamuru Mandal | 22.01.2015 |
| 3. | Alternate Furrow irrigation Vs regular Furrow irrigation in Chillies | Lankojanapalli, Darsi | 19.03.2015 |

### 6.5.2.3.11Dr. K. Swarajya Lakshmi, Associate Professor, Department of Entomology

| S.No | Research articles published in Peer reviewed and non-reviewed national and international journals |
|---|---|
| 1. | **K.Swarajya Lakshmi,** G.C.Kuberappa and B.V.Swetha. 2014.Pollinator Fauna, Relative abundance and Foraging activity of Honeybees during rabi season in RidgeGourd(*Luffa acutangular* L.).*Progressive Research.* 9(special): 944-949. |
| 2. | **K.Swarajya Lakshmi**, G.C.Kuberappa and B.V.Swetha. 2014. Pollinator Fauna, Relative abundance and Foraging activity of Honeybees during Kharif season in RidgeGourd (*Luffa acutangular* L.).*Progressive Research.* 9 (special): 950-954. |
| 3. | **K.Swarajya Lakshmi**, G.C.Kuberappa and B.V.Swetha. 2014**.** Role of Honeybees in increasing the productivity of RidgeGourd (*Luffa acutangular* L.)Roxb.*Progressive Research.* 9(special):955-958. |
| 4. | **K.Swarajya Lakshmi** and G.C.Kuberappa. 2015**.** Effect of number of Bee visits on some Quantitative parameters during rabi season in RidgeGourd(*Luffa acutangula*L.). *Progressive Research*. 10(1): 36-38. |
| 5. | **K.Swarajya Lakshmi** and G.C.Kuberappa.2015. Effect of number of Bee visits on some Quantitative parameters in RidgeGourd (*Luffa acutangular* L.).*Progressive Research.* 10(2): 113-115. |
| 6. | **K.Swarajya Lakshmi** and G.C.Kuberappa.2015.Impact of pollination modes during rabi seasonwith special reference to Honeybees on the Quantitative and Qualitative improvement of RidgeGourd (*Luffa acutangular* L.).*Progressive Research.* 10(3): 271-273. |
| 7. | **K. Swarajya Lakshmi**and G. C. Kuberappa. 2015. Effect of number of Bee visits on some Quantitative parameters during kharif season in RidgeGourd (*Luffa acutangular* L.).*Progressive Research*.10(4): 369-371. |
| 8. | **K.Swarajya Lakshmi**, G.C.Kuberappa and B.V.Swetha. 2016. Role of Honeybees and insect pollinator's diversity in pollination of Ridge Gourd (*Luffa acutangular* L.)Roxb.*Progressive Research.* 11(1): 105-107. |
| 9. | **K.Swarajya Lakshmi** and G.C.Kuberappa. 2016. Impact of pollination modes during kharif and rabi seasonswith special reference to Honeybees on the Quantitative and Qualitative improvement of RidgeGourd (*Luffa acutangular* L.).*Progressive* |

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| | *Research.*11(3): 292-294. |
| 10. | **K. Swarajya Lakshmi**and G. C.Kuberappa. 2016.Time spent by Honeybee species during rabi for foraging on flowers of (*Luffa acutangular* L.).*Progressive Research.* 11(3): 1525-1528. |
| 11. | **K.Swarajya Lakshmi**and G.C.Kuberappa. 2016. Impact of pollination modes with special reference to Honeybees on the Quantitative and Qualitative improvement of RidgeGourd (*Luffa acutangular* L.)during kharif season.*Progressive Research*.11(2): 196-198. |
| 12. | Y.Perusaheb,K.V.Hariprasad and **K.SwarajyaLakshmi.** 2017. Seasonal incidence of leaf minor and bud borer on groundnut genotypes.*Indian Journal of Entomology*. 79(4): 479-482. |
| 13. | **K. Swarajya Lakshmi** and G. C. Kuberappa. 2017. Time spent by honeybee species during kharif for foraging on flowers of Ridge gourd (*Luffa acutangula* L.). *Progressive Research*. 12(3): 283-285. |
| 14. | **K. Swarajya Lakshmi** and G. C. Kuberappa. 2017. Pollinator Fauna, relative abundance and foraging activity of Honey bees in Ridge gourd (*Luffa Acutangula*L.).*Progressive Research*.12(4): 419-423. |
| 15. | C.Sivananda Reddy, G.V.Subba Reddy and **K.Swarajya Lakshmi**. 2017. Pesticide residues recovery studies byQuE ch ERS sample technique using gas chromatography. *Pestology*.9(1): 64-75. |
| 16. | B.L. Jyothi,G.T.Thirumalraju, RamegowdaandK.Swarajya Lakshmi. 2017. Studies on the effect of Honey bee pollination on seed yield and quality of Pigeon pea(*Cajanus cajan* L.). *Mysore Journal of Agriculture Sciences*. 51(4): 840-844. |
| 17. | **K. Swarajya Lakshmi**. 2017. Micro organisms as Biopesticides.*Journal of Entomology and Zoology Studies*.5(3): 468-473. |
| 18. | Y.Peerusaheb,K.V.Hariprasad, **K.Swarajya Lakshmi** and J.Sailaja Rani. 2018. Mechanisms of resistance in groundnut genotypes against toleaf bud borer (*Anarsia ephippias* (Meyrick).*Journal of Entomology and Zoology studies*.6(2): 694-705. |
| 19. | Y.Peerusaheb, K.V.Hariprasad, **K.Swarajya Lakshmi**and J.Sailaja Rani. 2020. Screening of groundnut genotypes against groundnut leaf minor (*Aproarema modicella* Deventer). *Journal of Pharmacognosy and Phyto Chemistry*. 9(1): 536-540. |
| 20. | Y.Peerusaheb, K.V.Hariprasad, **K.Swarajya Lakshmi**and J. Sailaja Rani. 2020. Mechanisms of resistancein groundnut genotypes against groundnut leaf minor*(Aproarema modicella* (Deventer)).*Indian Journal of Pure and Applied Biosciences.*8(1): 74-85. |

### 6.5.3.2.12 Miss. B. Sushmitha, Teaching Associate, Department of Agricultural Economics

| S.No | Seminars /work shops |
|---|---|
| 1. | Participated in *Student Career Development Programme*on "Desire Your Destiny" Organised by Department of Bussiness Administration, Annamalai University, 2015. |

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|---|---|
| 2. | Participated in the Workshop on *Entrepreneurship in International Trade* under "NiryatBandhu Scheme" AC&RI, Killikulam, Vallanadu, 2016. |
| 3. | Participated in the One Day National Seminar on "Recent Trends in Agriculture" organised by S.Thangapazham Agricultural College, Vasudevanallur, Tirunelveli 2018. |

### 6.5.3.2.13 Dr. B. Sarojini Devi, Professor& Head, Department of Agricultural Engineering

| S.No | Training Programmes |
|---|---|
| 1. | Sensitizing Workshop on NAHEP Component 2 Activities & Implementation of Academic Management System (AMS) at ANGRAU, Lam,Guntur from 11.12.2019 to 12.12.2019. |
| 2. | 47$^{th}$International convention of ISAE and International symposium for Agricultureat Directotate of Rice Research, Rajendranagar,Hyderabadfrom 28.1.2013 to 30.1.2013. |
| 3. | 6$^{th}$International Groundwater *conference (IGWS-2013)*at IGWS, Andhra University Vishakhapatnam from 9.12.2014 to 12.12.2014. |
| 4. | AP AgTech Summit at Visakhapatnam from15.11.2017 to 17.11.2017. |
| 5. | Remote Sensing & GIS Technology and Applications at Indian Institute of Remote Sensing(IIRS), ISRO,Dehradun from 13.06.2020 to1.7.2020. |
| 6. | Remote Sensing and GIS Applications in Civil Engineering at K. L. University, Vaddeswaram, Gunturfrom 8.6.2020 to 13.7.2020. |
| **S.No** | **Seminars/ Workshops** |
| 1. | National conference on "Digital and Engineering Technologies for Precision Agriculture and Value Addition" and Farm Engineering Expo-2018, ANGRAU from 26.2.2018 to 27.2.2018. |
| 2. | National conference on Strategic approaches for developing World class Agricultural Universities at Dr.NTR college of Agricultural Engineering, Bapatla from 19.3.2019 to 20.3.2019. |
| 3. | D. Uma Bai, **B. Sarojini Devi**, H.V. HemaKumarand P. Sumathi, Estimation of Hydrological drought using Groundwater Resource Index in Anantapuram District, A.P. II Indian National Groundwater Conference (INGWC-2018) at Jalgaon (MS), India during 21$^{st}$&22$^{nd}$ December, 2018. |

| S.No | Research articles published in Peer reviewed and non-reviewed national and international journals |
|---|---|
| 1. | **B. SarojiniDevi**, M. V. Ranghaswami and C. Mayilswami. 2013. Performance evaluation of water delivery systems in canal command area of PAP basin.*International Journal of Agricultural Engineering*. 05(2):260-267. |
| 2. | **B.SarojiniDevi**, M.V.Ranghaswami and C.Mayilswami, 2013. Groundwater resources assessment and conjunctive use modeling for multi crop irrigation in PAP basin.*International Journal of Agricultural Engineering*. 05(2): 20-27. |
| 3. | V. Ravikumar, **B.Sarojini Devi**, G. Vijay Kumar.2014. Evaluation of fertigation scheduling for sugarcane using a vadose zone flow and transport model.*Agricultural Water Management.*98(9):1431–1440. |
| 4. | D. Uma Bai, **B. Sarojini Devi**, H.V. HemaKumarand and P. Sumathi. 2018, Assessing Temporal Characteristics of Meteorological Drought Trends in the Anantapuramu District, Andhra Pradesh, *International Journal of Current science Microbiology and Applied Sciences.*7(8): 1525-1533. |

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| 5. | D. Uma Bai, **B. Sarojini Devi**, H.V. HemaKumarand P. Sumathi, 2019. Evaluation of the Hydrological Drought Using Groundwater Resource Index in the Anantapuramu district, Andhra Pradhesh.*International Journal of Current science Microbiology and Applied Sciences.* 8(8): 1725-733. |

### 6.5.3.2.14 Sri. D.Venkatesh Babu, Assistant Professor, Department of Crop Physiology

| S.No | Training Programmes |
|---|---|
| 1. | Foundation Course for Faculty of Agricultural Universities at NAARM, Hyderabadfrom 25th Nov - 24th Dec, 2014. |
| 2. | Massive online course (MOOC) on Teaching Excellence in Online Modefrom 1stto30th Nov, 2019. |
| 3. | Post Harvest Technology and Storage Techniques" at NIPHM, Hyderabadfrom 20th Jan to 24th Jan, 2020. |
| 4. | Massive online course (MOOC) on Psychology of Learning in Online Mode from 1s to 15th May, 2020. |

| S.No | Seminars/Workshops |
|---|---|
| 1 | Presented poster presentation in 4thInternational Plant Physiology Congressat CSIR-NBRI, Lucknow, India from 2nd-5th December, 2018. |
| 2 | Presented an abstract in the National seminar on Climate change - Crop Improvement& Management strategies for food security conducted by the Department of Genetics and Plant Breeding and Agronomy at Agricultural College Baptla on 25thMarch, 2014. |
| 3 | Presented two poster papers in 25th Asian Pacific Weed Science Society Conference on Weed science for sustainable Agriculture, Environment and Biodiversity at Hyderabad India during 13-16 October, 2015. |
| 4 | Presented poster presentation in National Conference of Plant Physiology(NCPP-2016) on Challenges in crop physiology Research: From Molecular to Whole Plant at University of Agricultural Sciences, GKVK, Bengaluru from 08-10th December, 2016. |
| 5 | Presented poster presentation in National Seminar on Agronomic Approcahces for Climate Resilience in Agriculture at Regional Agricultural Research Station,Nandyal, Kurnool Dist. A.P. on 2nd May 2017. |
| 6 | Presented poster presentation in National Seminar on "Futuristic Agriculture for Sustainable Food Security" at S.V. Agricultural College, Tirupati from21st–23rdFebruary, 2018. |

| S.No | Research articles published in Peer reviewed and non-reviewed national and international journals |
|---|---|
| 1. | **D.Venkatesh Babu**, P. Sudhakar and Y. Sharath Kumar Reddy. 2013. Screening of thermotolerant ragi genotypes at seedling stage using TIR technique. *The Bioscan.*8(4): 1493-1495. |
| 2. | **D.Venkatesh Babu**, Y. Sharath Kumar Reddy and P. Sudhakar. 2014. Evaluation of Physiological efficiency and yield potential of ragi genotypes under imposed moisture stress conditions. *The Bioscan.*9 (4): 1777-1780. |
| 3. | **D.Venkatesh Babu**, Y. Sharath kumar Reddy and P. Sudhakar.2015.Identification of High Water Use Efficiency and high yielding ragi genotypes for rainfed conditions.*The Bioscan.*9(4): 1777-1780. |

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| 4. | K.Srinivasulu, S.B.S.N.Rao, B.Pramila Rani,K. Krishna Rao, K.Bayyapu Reddy and **D.Venkatesh Babu**.2016.Weed Management in Zero Till Maize (*Zea mays* L.) grown under Rice Fallows. *International Journal of Tropical Agriculture*. 34(1): 215-220. |
| 5. | K.Srinivasulu, S.B.S.N.Rao, B.Pramila Rani, K.Bayyapu Reddy and **D.VenkateshBabu.**2016. Management Strategies for Direct Seeded Drill Sown Rice.*International Journal of Tropical Agriculture*.34(1): 211-214. |
| 6. | M.Bharani Kruthi, P. Sudhakar and **D.Venkatesh Babu**.2016. Screening of Thermotolerant Groundnut Genotypes at Seedling Stage using TIR Technique. *The Advances in Life Sciences*. 5(9): 3724-3727. |
| 7. | V.Vineela, P. Sudhakar and **D. Venkatesh Babu**.2016. Influence of Water logging on Chlorophyll Content, Antioxidant Enzyme Activity and Yield in Mungbean Genotypes. *The Advances in Life Sciences*. 5(12): 4798-4804. |
| 8. | **D.Venkatesh Babu** and T.Raghavendra.2017. Evaluation of sorghum (*Sorghum bicolour*L.) Genotypes for temperature tolerance based on Temperature induction response (TIR) technique. *The Bioscan*. 12(1): 381-384. |
| 9. | T.Raghvendra, V.Jayalakshmi and **D.Venkatesh Babu.** 2017.Temperature induction Response (TIR) a novel Physiological Approach for thermotolerant genotypes in chickpea (*Cicer aritinum* L.). *Indian Journal of Agricultural Research*. 10(6): 15-20 |
| 10. | S. Jaffar Basha, **D.Venkatesh Babu** and Y.Satish Kumar. 2017. Response to Planting Geometry and Method of Planting in Rice (*Oryza Sativa* L.). *Journal of New Technologies in Science and Engineering*. 4(1): 13-21. |
| 11. | **D. Venkatesh Babu,** S. Balaji Nayak and P. Sujathamma.2018.Studies on Seed Priming on Seedling Vigour, Crop Growth and Yield of Groundnut (*Arachis hypogaea* L.) Under Rainfed Conditons. *International Journal of Pure and Applied Bio sciences*. 6(5): 238-242. |
| 12. | P.Sujathamma and **D. Venkatesh Babu**.2019.Standardization of Seed Rate for Mechanical Sowing of Newly Released Varieties of Chickpea. *International Journal of Current Microbiology and Applied Sciences*. 8(02):1719-1724. |

### 6.5.2.3.15 Dr. Y. Narasimhudu (Retired from service)

### 6.5.2.3.16Smt. J. Sailaja Rani

| S. No | Seminars/Workshops |
|---|---|
| 1. | **J. Sailaja Rani** , Y. Kavya and C.Ramesh. 2015. Evaluation of Bio Control Agents Against *Pythium Aphanidermatum* Under *In Vitro* And *In Vivo.*Abstracts of the National Conference on Environmental Pollution, Urban Waste Management and Public Health Security.Dept. Of Botany, Christ University, Bangalore, Pg No. 12. |
| 2. | C. Ramesh, **J. Sailaja Rani**, R. Sarada Jayalakshmi Devi and K.V. Hariprasad. 2015. Compatibility Of *Pseudomonas fluorescens* against Seed Dressing Fungicides And Insecticides *In Vitro* And *IN VIVO* In groundnut. Abstracts of the National Conference On Environmental Pollution, Urban Waste Management And Public Health Security. Dept. Of Botany, Christ University, Bangalore, Pg No. 62. |
| 3. | **J. Sailaja Rani**, C.Ramesh and Y. Kavya.2015.Pathogenic Diversity In Sustainable Agriculture. Abstracts of the ISSP South Zonal Seminar on "Crop Physiology-Emerging Challenges and Opportunities for Sustainable Agriculture. S.V. Agricultural College, Tirupati. March 2015. pg.no.188-189. |

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| 4. | C. Ramesh, **J. Sailaja Rani**, R. Sarada Jayalakshmi Devi and K.V. Hariprasad. 2015. Screening Of *Pseudomonas fluorescens* Against *Sclerotium Rolfsii* And *Aspergillus Niger In Vitro*. Abstracts of the ISSP South Zonal Seminar on "Crop Physiology-Emerging Challenges and Opportunities for Sustainable Agriculture. S.V. Agricultural College, Tirupati.March 2015. pg.no.189. |
| 5. | C. Ramesh, **J. Sailaja Rani**, R. Sarada Jayalakshmi Devi and K.V. Hariprasad**.** 2014. Correlation studies on stem and collar rot incidence and yield parameters in groundnut. Abstracts of the National symposium on Plant health for sustainability in the field and horticultural crops & Annual meeting of INSOPP-2014,pg.no.68. |

| S.No | Research articles published in Peer reviewed and non- reviewed national and international journals |
|---|---|
| 1. | **J. Sailaja Rani**, M.Reddi Kumar, N.P. Eswara Reddy and P. Umamaheswari.2015.Variability among pythium aphanidermatum isolates in their sensitivity to damping - off specific fungicides. *Annals of Plant and Soil Research*.17:252-253. |
| 2. | C. Ramesh, **J. Sailaja Rani**, R. Sarada Jayalakshmi Devi and K.V. Hariprasad.2015. Management of stem and collar rot disease incidence and yield parameters in Groundnut.*Annals of Plant and Soil Research*17: 137-140 |

### 6.5.2.3.17Dr. Y. Madhavi, Assistant Professor & Head, Department of Horticulture

| S.No | Training Programmes |
|---|---|
| 1. | Advanced storage and packaging technologies for durable and perishable foods from 4-1-2018 to 24-1-2018 at CIAE, Bhopal. |
| **2.** | Participated in the workshop on Advanced Entrepreneurship skills for faculty of Experienial Learning (EL) units with the theme "Reformulating Agribusiness Strategies of Experiential Learning (EL) units towards attaining viability and self-sustainability" held from 27.09.2018 to 29.09.2018. |

| S.No | Research articles published in Peer reviewed and non- reviewed national and international journals |
|---|---|
| 1. | **Y. Madhavi**, R.V.S.K. Reddy and C. Sreenivasa Reddy. 2018. Combining ability studies for growth and quality characters in Tomato (*Solanum lycopersicum* L.). *International Journal of Current Microbiology and Applied Sciences.*7(10): 2287-2291. |
| 2. | **Y. Madhavi**, R.V.S.K. Reddy and C. Sreenivasa Reddy. 2018. Heterosis for quality traits in Tomato (*Solanum lycopersicum* L.). *International Journal of Current Microbiology and Applied Sciences.*7(12): 618-622. |
| 3. | **Y. Madhavi**, R.V.S.K. Reddy, S. Sudheer Kumar and C. Sreenivasa Reddy. 2019. Correlation and path analysis studies for yield and quality traits in Tomato (Solanum lycopersicum L.). *International Journal of Pure and Applied Bioscience*. 7(1): 306-312. |

| Radio talks through AIR | | | |
|---|---|---|---|
| **S.No** | **Nature and title of the programme** | **Place** | **Date of recording / broadcasting / Telecast** |
| 1. | Tomato sagulo melakuvalu | Kurnool | 17-04-2015 |
| 2. | Pasupulo Yeruvula Vadakam, Kalupu Yajamanyam, Poshaka lopa nivarana | Kurnool | 08-08-2016 |
| 3. | Kakara Saagulo Sasyarakshana | Kurnool | 11-04-2017 |
| 4. | Mamidi Saagulo Pootha Kota Samayamlo Thesokovalsina Melakuvalu | Kurnool | 08-02-2018 |

### 6.5.2.3.18 Sri. C. Srinivasa Reddy, Assistant Professor, Department of Horticulture

| S.No | Training Programmes |
|---|---|
| 1. | Orientation Course (NSS) at University Training and Orientation Centre (UTOC) at Visakapatnamfrom 20.01.2014 to 26.02.2014. |
| 2. | Precision farming in Urban and per-urban horticulture in the era of Urbanization at Sri Karan Narendra Agriculure University, Jaipur, Rajasthanfrom 4-1-2019 to 24-1-2019 |

| S.No | Research articles published in Peer reviewed and non- reviewed national and international journals |
|---|---|
| 1. | P. Nagamani, K. Viswanath, M. K. Jyosthna and C. Srinivasa Reddy. 2013. Management of peanut stem necrosis disease of groundnut.*Indian Journal of Plant Protection.* 41(4): 349-352. |
| 2. | Y. Madhavi, R.V.S.K. Reddy and **C. Sreenivasa Reddy**. 2018. Combining ability studies for growth and quality characters in Tomato (*Solanum lycopersicum* L.). *International Journal of Current Microbiology and Applied Sciences.*7(10): 2287-2291. |
| 3. | Y. Madhavi, R.V.S.K. Reddy and **C. Sreenivasa Reddy**. 2018. Heterosis for quality traits in Tomato (*Solanum lycopersicum* L.). *International Journal of Current Microbiology and Applied Sciences.*7(12): 618-622. |
| 4. | Y. Madhavi, R.V.S.K. Reddy, S. Sudheer Kumar and **C. Sreenivasa Reddy**. 2019. Correlation and path analysis studies for yield and quality traits in Tomato (Solanum lycopersicum L.). *International Journal of Pure and Applied Bioscience*. 7(1): 306-312. |

| Radio talks through AIR | | | |
|---|---|---|---|
| **S.No** | **Nature and title of the programme** | **Place** | **Date of recording/broadcasting/ Telecast** |
| 1. | Aakukuurala Saagu-Avasyakatha | Kurnool | 23.02.2018 |

### 6.5.2.3.19Dr. M. Sathish Rahul, Assistant Professor & Head, Department of Agricultural Extension

| S.No | Training Programmes |
|---|---|
| 1. | Attended ICAR SponsoredWinter School on Managing Natural Resources For Sustainable Rural Livelihood Security at Sam Higginbottom Institute of Agriculture, Technology & Sciences (Formerly Allahabad Agricultural Institute) Deemed University, Allahabad, U.P. from 18$^{th}$ November to 08$^{th}$ December, 2015. |
| 2. | Attended Andhra Pradesh Agri Tech Summit on small farmers and small farming at |

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| | Visakhapatnam from 15th to 17th November, 2017. |
| 3. | Faculty personality developmentat Agricultural College, Mahanandi on 31.03. 2017. |
| 4. | Workshop on Advanced Entrepreneurship Skills for Faculty of Experiential Learning units with theme "Reformulating Agribusiness Strategies of Experiential Learning (EL) Units towards attaining viability and Self-sustainability" at IABM, S.V. Agricultural College, Tirupatifrom 27.09.2018 to 29.09.2018. |
| 5. | Attended two day Sensitizing workshop on NAHEP Component two Activities & Implementation of Academic Management Systems at APGC,Lam,Guntur from on 11thand 12thMarch, 2018. |

| S. No | Seminars/Workshops |
|---|---|
| **1.** | Attended and presented posterat National Conference on "Revisiting Agricultural Extension Strategies for Enhancing Food and Nutritional Security, Sustainable Livelihoods and Resilience to Climate Change-Towards transforming Agriculture" at Prof.Jayashankar Telangana State Agriculitural University, Rajendranagar, Hyderabad, Telanganafrom 22nd- 24th April 2017. |

| S.No | Research articles published in Peer reviewed and non- reviewed national and international journals. |
|---|---|
| 1. | K. Hanumantha, T. Lakshmi, I. Krishnateja, **M.S. Rahul** and V. Sailaja. 2017. Awareness of farmers on farm based massmedia in Nellore district of Andhra Pradesh. *Bulletin on Envnvironment Pharmacology Life Sciences*. 6(3): 417-420. |
| 2. | K. Hanumantha, V. Sailaja, P. V. Sathyagopal, K. N. Ravikumar and **M. S. Rahul.**2017.Attitude of the Beneficiaries Towards MGNREGS in Ananthapuramu District Of Andhra Pradesh. GRES.*An International e-Journal.* 6(3):475-480. |
| 3. | **M. S. Rahul,** S.V. Prasad, P.V. SathyaGopal, I. Bhavani Devi and G. Mohan Naidu. 2019.Perceived Constraints and Suggestions in Utilization of InstructionalTechnology by Teachersof Acharya N.G. Ranga Agricultural University. *International Journal of Current Microbiology and Applied Sciences*. 8(07): 1565-1571. |

| Radio talks through AIR | | | |
|---|---|---|---|
| **S.No** | **Nature and title of the programme** | **Place** | **Date of recording/broadcasting/ Telecast** |
| 1. | Seed treatment measures in various crops | Kurnool | 29.10.2016 |
| 2. | Vesavi lo verusenaga saagu | Kurnool | 03.06.2017 |
| 3. | Pantallo Sasya Rakshana | Kurnool | 06.03.2018 |

### 6.5.2.3.20 Dr. E.S.V. Narayana Rao, Assistant Professor, Department of Staticstics and Computer Applications

| S.No | Seminars/Workshops |
|---|---|
| 1 | E.S.V. Narayana Rao and P. Tirupathi Rao. Stochastic Programming on Selected Scaling Measures of Likert's Format with Reference to Managerial Decision Score's Optimization. ORSI Conference at Department of Statistics, University of Kashmir, Srinagar from 21-23rd, October, 2013. |

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| 2 | E.S.V. Narayana Rao and P. Tirupathi Rao. Some Stochastic Models on Cost Optimality Management with Reference to Telephone Services. International Conference on Recent Developments in Statistics and its Practices, Department of Statistics, Pondicherry University, Pondicherry from 14-16th, December, 2013. |
| 3 | E.S.V. Narayana Rao and P. Tirupathi Rao. Some Stochastic Models for Evaluation of Objective Choice Examination with reference to UGC-NET. ISPS Conference held at Department of Statistics, BAM University, Aurangabad from 26-28th, December 2013. |
| 4 | E.S.V. Narayana Rao and P. Tirupathi Rao. Some Stochastic Models for Disease Intensity with Reference to Agricultural Operations. ISPS Conference, Department of Statistics, S.V. University, Tirupati from 30 Nov-02 December, 2014. |
| 5 | E.S.V. Narayana Rao and P. Tirupathi Rao. Stochastic Programming for Cost Optimality of Disease Management in Agriculture. ORSI Conference, Department of Statistics, S.V. University, Tirupati from 1-3rd, December, 2014. |
| 6 | E.S.V. Narayana Rao and P. Tirupathi Rao.Stochastic Programming for Optimal Parametric Estimation of Infectious Diseases. International Conference on Mathematical Modeling and Computer Simulation, Department of Mathematics, IIT, Madras, from 8-10th, December, 2014. |
| 7 | E.S.V. Narayana Rao and P. Tirupathi Rao. Some Stochastic Models for Spread of Infectious Diseases. 4thInternational Conference On "Innovative Research in Applied Physical, Mathematical/Statistical, Chemical Sciences, Environmental Dynamics, Integration of Life Sciences and Engineering", "Krishi Sanskriti" held at Jawaharlal Nehru University, New Delhi, from 27th and 28th December, 2014. |
| 8 | E.S.V. Narayana Rao and P. Tirupathi Rao.Some Stochastic Models for Hospital Governance. National Conference on Emerging Trends in Statistical Research: Issues and Challenges, Department of Statistics, Pondicherry University, Pondicherry from 16-17th, February, 2015. |
| 9 | E.S.V. Narayana Rao and P. Tirupathi Rao.Evaluation and Ranking of DCCBs in Indian States through Malmquist Index and Super-Efficiency, National Seminar on Data Analytics and its Applications, Department of Statistics, Andhra University, Visakhapatnam from 13-14th, March, 2015. |
| 10 | E.S.V. Narayana Rao and P. Tirupathi Rao. Some Stochastic Models for Spread of Bacterial Diseases under Intervention. International Conference on Mathematical Sciences, Department of Mathematics, S.V. University, Tirupati from 13-15th, July, 2015. |
| 11 | E.S.V. Narayana Rao and P. Tirupathi Rao.Stochastic Models for Spread of Bacterial Diseases among Plants, ISPS conference, Department of Statistics, University of Lucknow, from 28-30th, November, 2015. |

| **S.No** | **Research articles published in Peer reviewed and non- reviewed national and international journals** |
|---|---|
| 1. | P. Tirupathi Rao and E.S.V. Narayana Rao. 2014. Managerial Decision Scoring with Stochastic Programming on Selected Scaling Measures of Likert's Format.*IOSR-Journal of Mathematics*. 10(3): 21-29. |
| 2. | E.S.V. Narayana Rao and P. Tirupathi Rao. (2016). Trivariate Optimal Programming Problems For Bacterial Disease Management Among Plants. *International Journal of* |

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| | *Engineering Research and Application.* 6(8): 37-46. |
| 3. | E.S.V. Narayana Rao and P. Tirupathi Rao. (2016). Optimization Programming Problems For Control And Management Of Bacterial Disease With Two Stage Growth/Spread Among Plants. *International Journal of Engineering Science Invention.* 5(8): 08-14. |
| 4. | E.S.V. Narayana Rao and P. Tirupathi Rao. (2016). Bivariate Stochastic Modeling for Spread of Bacterial Diseases among Plants. *IOSR-Journal of Mathematics*. 12(1): 42-49. |
| 5. | E.S.V. Narayana Rao and P. Tirupathi Rao. (2016). Modeling the Spread of Plant Bacterial Disease with Trivariate Stochastic Processes. *International Journal of Scientific and Research Publications*. 6(3): 97-111. |

**6.5.2.3.21Dr. P.J. Nirmala (on long leave due to illhealth)**

**6.5.2.3.22Dr. G. Fareeda, Assistant Professor, Department of Biochemistry**

| S.No | Training Programmes |
|---|---|
| **1.** | Attended a short course (for 10 days) on Futuristic Agricultural Education conducted by Dept. of Agronomy at S. V. Agricultural College, Tirupatifrom 15th to 24th September 2016. |
| **2.** | Participated and successfully completed Winter school training (for 21 days) on 'Sustinable organic production Practices an approach to mitigate climate change and rural livelihood security' sponsored by Indian Council of Agricultural Research, New Delhi, Conducted at Research Institute on Organic Farming, UAS, GKVK Bangaluru from 1st to 21st Dec 2017. |
| **3.** | Attended a two day sensitizing on 'NAHEP component 2 activities and Implementation of Academic Management System' on organized by organized by ICAR-IASRI at APGC. Lam Guntur, from 11th to 12th December 2019. |
| **4.** | Attended a UGC sponsored National Workshop on 'Mushroom Cultivation' conducted by Dept. of Botany at S. V. University Tirupati, from 12th to 13th November, 2014. |
| **5.** | Attended a National training Workshop (for 7 days) on 'Sophisticated Analytical Instrumental workshop conducted by Dept. of Biochemistry at S. V. University Tirupati, from 24th to 30th March 2014. |
| **6.** | Attended One day National Workshop on 'Agricultural e-Resourses and e- Courses' organized under e- Grant Project, Central Library, at S. V. Agricultural College, Tirupati on 24th January 2014 |
| **7.** | Attended Science Academies Lecture Workshop on 'Advances in Biology and Biotechnology' conducted by Dept. of Biochemistry at S.V.University Tirupati, from 2nd to 4th April 2014. |
| **8.** | Attended a Awareness Workshop on 'Issues related to Genetically modified (GM) crops' organized by Regional Agricultural Research Station (ANGRAU) Tirupati and Biotech Consortium India Limited, New Delhi at Regional Agricultural Research Station (ANGRAU) Tirupati, on 26th April 2014. |
| **S. No** | **Seminars / Workshops** |
| 1. | Attended an International Conference on 'Role of Plant Biochemistry and Biotechnology' conducted by Dept. of Biochemistry at S. V.University Tirupati from 11th and 14th December 2013. |

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| 2. | Presented paper in National Seminar 'Purification, Characterization and HPLC analysis of α-amylase from Rice' in 'Emerging Trends in Agri Nano Technology' held at Regional Agriculture Research Station, Tirupati, on 11th to 12th March, 2015. |
| 3. | Attended a International conference on 'Environmental conservation and human health challenges and strategies' organised by Dept. of Zoology, at S. V.University Tirupati, on 21st to 23rd December 2016. |
| 4. | Participated in a National Seminar on 'Research Trends in nanotechnology and Aquaculture Technologies' organized by Dept. of Fishery Science and Aquaculture at S.V.University. Tirupati, from 18th to 19th August 2016. |
| 5. | Participated and presented a paper 'Purification, Characterization and Immobilization of α-amylase' in Indian Science Congress Association held at S. V. University, Tirupati, during 3rd to 7th January 2017. |

| S.No | Research articles published in Peer reviewed and non- reviewed national and international journals |
|---|---|
| 1. | Malathi Bheri, **G.Fareeda,** Ragiba Makandar. 2016. Assessing host specialization of *Erysiphe pisi* on garden pea germplasm through genotypic and phenotypic characterization. *Euphytica*. 212:1-14. |
| 2. | **G. Fareeda** andV. Munaswamy. 2016. Biochemistry of secondary metabolites: Current Approaches.*Andhra Pradesh Journal of Agricultural Sciences*. 2(3): 206-210. |
| 3. | R.S. Archana,M. Sudha Rani, K.M. Vishnu Vardhan and**G. Fareeda**.2018. Correlation and path coefficient analysis for grain yield, yield components and nutritional traits in rice (*Oryza sativa* L.).*International Journal of Chemical Studies*. 6(4): 189-195. |
| 4. | R.S. Archana, M. Sudha Rani, K.M. Vishnu Vardhan and **G. Fareeda.** 2018.Estimation of genetic variability for grain yield, yield components and nutritional traits in rice (*Oryza sativa* L.). *Green Farming*. 9:1-4. |
| 5. | R.S. Archana, M. Sudha Rani, K.M. Vishnu Vardhan and **G. Fareeda**. 2018. Evaluation of rice (*Oryza sativa* L.) genotypes for grain yield, yield components and nutritional traits for scarce rainfall zone of Andhra Pradesh. *The Journal of Research* ANGRAU. 46(3): 34-40. |
| 6. | A. Anjaneyulu Naik, M. Sreenivasa Reddy, P.V. Ramesh babu, P. Kavita and **G. Fareeda**. 2020. Effect of plant density and nitrogen management on quality parameters and post harvest available soil nutrients of sweet corn. *International Journal of Chemical Studies*. 8(1): 1966-1969. |

| Practical manuals/ course material prepared as per V deans Committee | | | |
|---|---|---|---|
| **S. No** | **Title of the study material / practical manual** | **Course No** | **Authors** |
| 1. | Practical manual on Fundamentals of Plant Biochemistry and Biotechnology | BICM-101 | G. Fareeda |
| 2. | Fundamental of Agronomy | AGRO-102 | Dr. P.V. Ramesh Babu,<br>Dr. M. Srinivasa Reddy<br>Dr. U. Vijaya Bhaskar Reddy |

| | | | |
|---|---|---|---|
| 3. | Practical Manual on Fundamentals of Soil Science | SSAC-121 | Dr. P. Kavitha |
| 4. | Farming Systems and Sustainable Agriculture | AGRO-203 | Dr. P.V. Ramesh Babu,<br>Dr. M. Srinivasa Reddy<br>Dr. U. Vijaya Bhaskar Reddy |
| 5. | Practical manual on Irrigation Water Management | AGRO-204 | Dr. M. Srinivasa Reddy |
| 6. | Practical Manual on Manures, fertilizers and Soil Fertility management | SSAC-221 | Dr. P. Kavitha<br>Dr. D. Balaguravaiah |
| 7. | Manures, fertilizers and Soil Fertility management | SSAC-221 | Sri. Y. S. Satish Kumar<br>Dr. P. Kavitha |
| 8. | Soil, Water, Plant and Seed testing | SSAC-222 | Dr. P. Kavitha<br>Sri. Y. S. Satish Kumar<br>Sri. D. Venkatesh Babu |
| 9. | Practical Manual on soil, water, Plant and Seed testing | SSAC-222 | Dr. P. Kavitha |
| 10. | Practical Manual on Management of Problems Soils and Their management | SSAC-321 | Dr. P. Kavitha |
| 11. | Rainfed Agriculture and Watershed management | AGRO-303 | Dr. P.V. Ramesh Babu,<br>Dr. M. Srinivasa Reddy<br>Dr. U. Vijaya Bhaskar Reddy |
| 12. | Practical manual on Rainfed Agriculture and Watershed management | AGRO-303 | Dr. P.V. Ramesh Babu,<br>Dr. M. Srinivasa Reddy<br>Dr. U. Vijaya Bhaskar Reddy |
| 13. | Principles of Organic Farming | AGRO-304 | Dr. P.V. Ramesh Babu,<br>Dr. M. Srinivasa Reddy<br>Dr. U. Vijaya Bhaskar Reddy |
| 14. | Practical manual on Principles of Organic Farming | AGRO-304 | Dr. P.V. Ramesh Babu,<br>Dr. M. Srinivasa Reddy<br>Dr. U. Vijaya Bhaskar Reddy |
| 15. | Agricultural Waste Management | ELCT-305 | Dr. M. Srinivasa Reddy,<br>Dr. P. Kavitha<br>Dr. P.V. Ramesh Babu<br>Dr. U. Vijaya Bhaskar Reddy |
| 16. | Fundamentals of Genetics | GPBR 111 | Dr. A. Trivikrama Reddy |
| 17. | Principles of Seed Technology | GPBR 314 | Dr. A. Trivikrama Reddy |
| 18. | Commercial Plant Breeding | ELCT 315 | Dr. A. Trivikrama Reddy |
| 19. | Principles of Genetics | GP 501 | Dr. A. Trivikrama Reddy |
| 20. | Principles of Quantitative Genetics | GP 504 | Dr. A. Trivikrama Reddy |
| 21. | Fundamentals of Entomology I | ENTO 131 | Dr. L. Vijay Bhaskar<br>Dr. K. Swarajya Lakshmi |
| 22. | Fundamentals of Entomology II | ENTO 231 | Dr. L. Vijay Bhaskar<br>Dr. K. Swarajya Lakshmi |
| 23. | Pests of Field Crops & Stored Grain and their Management | ENTO 331 | Dr. K. Swarajya Lakshmi<br>Dr. L. Vijay Bhaskar |
| 24. | Pests of Horticultural Crops and their Management and Beneficial insects | ENTO 332 | Dr. K. Swarajya Lakshmi<br>Dr. L. Vijay Bhaskar |
| 25. | Principles of Integrated Pest and Disease Management | PATH 373 | Dr. K. Swarajya Lakshmi |
| 26. | Farm Machinery and Power | AENG 251 | Dr. B. Sarojini Devi |
| 27. | Question Bank for Agril. Engineering | DAE 234 | Dr. B. Sarojini Devi |

| | | | |
|---|---|---|---|
| | Polytechnic students | | |
| 28. | Rural Sociology & Educational Psychology | AEXT 191 | Dr. M. Sathish Rahul |
| 29. | Fundamentals of Agricultural Extension | AEXT 291 | Dr. M. Sathish Rahul |
| 30. | Entrepreneurship Development and Business Communication | AEXT 292 | Dr. M. Sathish Rahul |
| 31. | Communication Skills and Personality Development | AEXT 391 | Dr. M. Sathish Rahul |
| 32. | Objective Agriculture at Glance | General Agriculture | Dr. P.V. Ramesh Babu,<br>Dr. M. Srinivasa Reddy<br>Dr. U. Vijaya Bhaskar Reddy<br>Dr. M. Sathish Rahul |

### 6.5.2.4Technical and Supporting Staff

Each department is having sub staff for assisting students in the laboratories and the supporting staff to attend other duties.

#### 6.5.2.4.1 Technical and Supporting staff

| Designation | Sanctioned | Filled |
|---|---|---|
| Technical | -- | -- |
| Supporting | 21 | 21 |
| Farm Staff | 13 | 13 (1 Vacant) |
| **Total** | **34** | **33** |

#### 6.5.2.4.2 Division wise distribution of technical/supporting/farm staff

| S. No | Name of the Scheme / Department | Technical | Supporting | Farm/Field Staff |
|---|---|---|---|---|
| 1 | Associate Dean Office | **--** | 2 | -- |
| 2 | Establishment | **--** | 2+2 | 13 |
| 3 | Academic Division | -- | 1 | |
| 4 | Accounts Division | -- | 1 | |
| 5 | PAO Office | -- | 2 | |
| 6 | Division of Agronomy | -- | 1 | |
| 7 | Soil Science and Agricultural Chemistry | -- | 1 | |
| 8 | All other Departments | -- | 9 | |
| | **Total** | -- | **21** | **13** |

### 6.5.3 Learning Resources

### 6.5.3.1 College Library (Digital)

At Agricultural College, Mahanandi different learning resourses like texts, videos, software and other ICT are available for use by the students and faculty.

**Location of the Library –** The library is located in the main building of Agricultural College, Mahanandi.

### Staff Position in the library

| Name of the Post | Sanctioned | Filled | Vacant |
|---|---|---|---|
| Assistant Librarian | -- | -- | -- |
| Senior Library Assistant | 1 | 1 | -- |
| Junior Library Assistant | 1 | 1 (Out sourcing) | -- |
| Record Assistant | 1 | 1 (Out sourcing) | -- |

### 6.5.3.1.1Year wise collection

### 6.5.3.1.2 Number of documents added in the library during the period from 2013–2020.

| Year | Books Purchased | Book bank | Back volumes | e-Books | Total |
|---|---|---|---|---|---|
| 2013-14 | 352 | -- | 205 | - | **557** |
| 2014-15 | 253 | 96 | 263 | - | **612** |
| 2015-16 | 218 | 117 | 153 | - | **488** |
| 2016-17 | 918 | 19 | 275 | - | **1212** |
| 2017-18 | 492 | 03 | 255 | - | **750** |
| 2018-19 | 531 | 28 | 155 | - | **714** |
| 2019-20 | 891 | -- | 60 | - | **951** |

### 6.5.3.1.3 Year Wise Visitors to the Library

| Year | Number of Visitors |
|---|---|
| 2013-14 | 9150 |
| 2014-15 | 8327 |
| 2015-16 | 8050 |
| 2016-17 | 8330 |
| 2017-18 | 8425 |
| 2018-19 | 8476 |

| | |
|---|---|
| 2019-20 | 8378 |

### 6.5.3.1.4 Services available in the library

**Traditional:** Library provides traditional services under the following categories

1. Issue of books for reading
2. Referenceservice
3. Xeroxfacility
4. **Online** – Library provides online services under the following categories

a) Issues and returns with the help ofKOHA software

b) Internet facility for searching theinformation

c) e-resources are available for e-books, e-journals, e-course etc.,

Latest library Services:

1. InternetService
2. OPAC (Online Public Access Catalogue)(http://Coanopac.firstray.in/)
3. Online e-journals/virtual e-journals (J-gate)(http://www.jgate.in)
4. E – Courses (e– *Krishishiksha*) (http://ecourses.iasri.res.in/)
5. *Krishikosh* (Institutional Repository)(http://krishikosh.egranth.ac.in)

### Software's being used in the library

As per the ICAR guidelines, KOHA- Library Management software is in operation for whole library automation (*i.e.* Accession, Cataloguing &Circulation).

### 6.5.3.1.5 Number of Computers/Xerox machines /Wi-Fi in the library

| S. No | Computers | Xerox machines | Wi-Fi facility |
|---|---|---|---|
| 1. | 18 | 02 | Available |

**Reading hall:** College Library has one reading hall having a seating capacity of 60 members.

### Opening Hours

The operating hours for the library is from 09.00 AM to 5.00 PM.

### Subscription to Journals

As CeRA(Consortium for E- Resources in Agriculture) is available in the library, hence no need of new journals.

### Stocking Management

The stocking management in the libarary is as per the guidelines of Dewey Decimal Classification (DDC).

### 6.5.3.2 Laboratories, Instructional Farm, Workshops, Dairy Plant, Veterinary Clinic, Hatchery, Ponds etc.,

There are 11 laboratories (including one Meteorological observatory) pertaining to different departmentsand Instructional farm with 100 acres. The college is utilizing the facilities of Livestock Research Station and Horticultural Research Station for students exposure regarding veterinary clinic and advanced facilities of green house chambers and commertial horticulture etc.,

#### 6.5.3.2.1 Number and area of the laboratories available in different divisions of the college

| S.No | Name of the laboratory | Space Area (Sq. ft) | Facilities to conduct practical/ hands on training |
|---|---|---|---|
| 1. | Agronomy | 1600 | Models of implements, seeds and fertilizers and laminations of weeds are available.<br>Irrigation equipments and soil sample equipment, Meteorological instruments are also available |
| 2. | Meteorological Observatory | 6000 | All the meteorological instruments required for class II observatory are available. |
| 3. | Soil Science and Agricultural Chemistry-Lab-1 | 1600 | Practicals will be demonstrated tothe students actually by doing the practical, then writing of observations and calculations in the practical manual. |
| 4. | Soil Science and Agricultural Chemistry-and Lab-2 | 1600 | Determination of pH, EC, N, P, K etc., will be carriedout. |
| | Biochemistry (Soil Science and Agricultural Chemistryand Lab-2) | | The techniques like paper chromatography, gel electrophoresis, DNA isolation etc., will be demonstrated. |
| 5. | Genetics and Plant Breeding | 1600 | Preparation of microscopic slides of Mitosis andMeiosis, PCR cycle etc., |
| 6. | Crop Physiology | 1600 | Practicalstudy of photosynthesis, respiration, transpiration,Chlorophyll content andGrowth |
| 7. | Horticulture | 1600 | Practicing of grafting and budding<br>Preparation of fruit juices, ketchup and jam |
| 8. | Plant Pathology | 1600 | All the practical classes of UG courses will be conducted.Principles, culture media preparation and culturing of micro organisms like fungi, bacteria etc., Diagnostic symptoms and pathogen isolation techniques will be shown.Agricultural microbiology techniques will be demonstrated. |
| 9. | Agricultural Engineering | 1600 | Equipped with soil conservation, surveying & levelling equipmentlike Dumpy Level, GPS, Theodolite and Tractor drawn Instruments, Drip, Sprinkler, Micro irrigation facilities, Sprayers & Dusters. Post-Harvest machinery like Harvester & Thresher, Cross sectional models of Tractor |

| | | | |
|---|---|---|---|
| | | | &Engine Parts (2 stroke & 4 stroke) working models of tractor &various systems involved in method demonstrations for student practicals. |
| 10. | Agricultural Extension (Consists of Acoustic Lab and practical hall) | 1630 | Facilities for Video shooting (i.e. Studio with green mat, Cameras), Audio-Video editing facilities are available, where in students can be trained in total process of video production (i.e. from script writing to editing),Podcast production can be trained.Practical classes on public speaking,practicing of extempore, impromptu, impromptu presentation, evaluative exercises on video recorded, mock group discussions and interviews are being conducted. |
| 11. | Entomology | 1600 | Equipped with insect specimens for student practical classes like different types of mouth parts, antenna, types of legs, wings, and their modifications to UG students.Maintaining the **apiary unit** at college farm for demonstration to the students.Classification of insects, collected insects will be categorised into different orders for explanation to the students. Insect boxes for display of insect life cycles and microscopes to observe the mouth parts, wings & legs of small insects (thrips & mites) are available. |

### 6.5.3.3 Student READY / In-Plant Training / Internship / Experimnetal Learning programmes

RAWEP and internship programme will be registered by the students in one of the alternative semesters of final year.As per the guidelines of student ready manual they have to takeup Experiential Learning Programme (ELP). The students are required to work in the college on full time basis to understand the need of the module and acquire the latest practical knowledge pertinent to the respective EL module.The details of the ELP modules takenup for the last five years is furnished below.

### 6.5.3.3 Details of EL modules

| Year | Name of the EL Module | Nodal Officer of the El Module | Grant received (Rs.) | Number of students | Product being developed under EL unit | Revenue earned (Rs.) | Revolving fund Generated (Rs.) | % Share of income distributed to the students |
|---|---|---|---|---|---|---|---|---|
| 2013-14 | Sri Mahanandeswara Vermicompost and allied agro services | Dr. M.Srinivasa Reddy Associate Professor | 20,0000/- | 6 | Vermi Compost | 23,290/- | 3,290/- | 50% |
| | Sri Annapurna Seed Production & Allied activities | Dr. KV.S.Sudheer Assistant Professor | 30,000/- | 6 | Rice Seed | 58,041/- | 28,041/- | 50% |
| | Green Agro Services for Soil testing and Micro Irrigation System | Dr P.Kavitha Associate Professor | 20,000/- | 5 | Soil Test Reports | 26,500/- | 6,500/- | 50% |
| | Bhavani "Korra & Mushroom Production" | Miss.J.Sailaja Rani Assistant Professor | 50,000/- | 5 | Korra & Mushrooms | 51,900/- | 1,900/- | 50% |
| | Sri Venkateshwara Vegetable Production | Dr. P.Nagamani Assistant Professor | 20,000/- | 5 | Vegetables | 25,000/- | 5,000/- | 50% |
| | Samruddhi Seeds & Flowers Production | Dr.P.Uma Maheswari Assistant Professor | 30,000/- | 6 | Seeds & Flowers | 35,035/- | 5,035/- | 50% |
| | Adarsha Sericulture | Dr.K.Swarajya lakshmi Associate Professor | 25000/- | 5 | Sericulture | 31,785/- | 6,785/- | 50% |
| | Haritha Leaf Vegetables | Sri C.Sreenivasa Reddy Assistant Professor | 32000/- | 6 | Leafy Vegetables | 41,120/- | 9,120/- | 50% |
| 2014-15 | Harithandra Seed Production in Paddy | Dr.U.V.Bhaskara Reddy | 25000/- | 6 | Rice Seed | 36,114/- | 6,114/- | 50% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | &Value Additions | Associate Professor | | | | | | |
| | Sri Mahanandeeswara Vermi Compost | Dr.M.Srinivasa Reddy Associate Professor | 5000/- | 6 | Vermi Compost | 7,960/- | 2,960/- | 50% |
| | Green Agro Services for Soil Testing | Dr. P. Kavitha Associate Professor | 10,000/- | 6 | Soil Test Reports | 20,000/- | 10,000/- | 50% |
| | Haritha Vegetables Production | Sri C.Sreenivasa Reddy Assistant Professor | 10000/- | 6 | Different Vegetables | 24,020/- | 14,020/- | 50% |
| | Sree Kadri Narasimha Groundnut Seed Production unit | Sri.V.R.Prakash Reddy Assistant Professor | 5000/- | 6 | Groundnut | 10,106/- | 5,106/- | 50% |
| | Green Fingers Agri Consultancy | Sri M.Sathish Rahul Assistant Professor | 15000/- | 6 | Agri Consultancy | 30,402/- | 15,402/- | 50% |
| 2015-16 | Sri Mahanandeeswara Vermi Compost & Green gram seed production | Dr. P.V.Ramesh Babu Assistant Professor | 5000/- | 6 | Vermi Compost and Greengram seed | 12,200/- | 7,200/- | 50% |
| | Lepakshi Korra Seed Production | Dr. U.V.Bhaskara Reddy Associate Professor | 5000/- | 6 | Korra seed | 7,530/- | 2,530/- | 50% |
| | Sri Krishna Blackgram Seed Production | Dr.P.V.Ramesh Babu Assistant Professor | 5000/- | 6 | Blackgram Seed | 10,020/- | 5,020/- | 50% |
| | Tirumala Horticultural crops production and value addition | Dr.Y.Madhavi Assistant Professor | 15000/- | 6 | Different Vegetables | 24,185/- | 9,185/- | 50% |
| | Samuruddi Blackgram Seed Production | Dr. P.Uma Maheswari Assistant Professor | 20000/- | 6 | Blackgram Seed | 23,000/- | 3,000/- | 50% |
| | Sri Lakshmi Leafy Vegetable Production | Dr.K.Swarajya Lakshmi Associate Professor | - | 6 | Leafy Vegetables | 12,000/- | 12,000/- | 50% |
| | Narasimha Green gram Seed production | Sri V.R.Prakash Reddy Assistant Professor | 5000/- | 6 | Greengram Seed | 13,010/- | 8,010/- | 50% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Suryanandi Mushroom cultivation | Sri.K.Mahendra Teaching Associate | 10000/- | 6 | Mushrooms | 12,537/- | 2,537/- | 50% |
| | Vijaya Blackgram Seed Production | Dr.L.Vijaya Bhaskar Professor | 5000/- | 5 | Blackgram Seed | 8,240/- | 3,240/- | 50% |
| | Green Agro Services for Soil Testing & Vegetables Production | Dr.P.Kavitha Associate Professor | 10000/- | 5 | Soil Test Reports | 13,957/- | 3,957/- | 50% |
| | Haritha Vegetables Production | Sri C.Sreenivasa Reddy Assistant Professor | 5000/- | 5 | Different Vegetables | 12,310/- | 7,310/- | 50% |
| 2016-17 | Sri Mahanandeeswara Vermi Composting & allied sector | Dr.P.V.Ramesh Babu Assistant Professor | 20000/- | 11 | Vermi Compost | 21,422/- | 1,422/- | 50% |
| | Sri Lakshmi Leafy Vegetable Production through usage of Biopesticides | Dr.K.Swarajya Lakshmi Associate Professor | - | 10 | Vegetables | 12,000/- | 12,000/- | 50% |
| | Samruddi Blackgram Seed Production &allied activities | Dr.P.Uma Maheswari Assistant Professor | 10000/- | 10 | Blackgram Seed | 15,000/- | 5,000/- | 50% |
| | Green Agro Services for Soil Testing & Vegetable Production | Dr.P.Kavitha Associate Professor | 10000/- | 10 | Soil Test Reports | 20,000/- | 10,000/- | 50% |
| | Tirumala Horticultural crops production and value addition | Dr.Y.Madhavi Assistant Professor | 5000/- | 10 | Horticultural crops | 15,080/- | 10,080/- | 50% |
| | Mushroom Production | Mrs. J.Sailaja Rani Assistant Professor | 10000/- | 10 | Mushrooms | 15,230/- | 5,230/- | 50% |
| | Mahanandiswara Seed production | Sri V.R.Prakash Reddy Assistant Professor | 10000/- | 10 | Seed Production | 16,000/- | 6,000/- | 50% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2017-18 | Mahanandiswara Vermi Compost allied sectors | Dr.P.V.Ramesh Babu Assistant Professor | 25000/- | 16 | Vermi compost | 27,861/- | 2,861/- | 50% |
| | Mahanandiswara Pulses & Vegetable Production | Sri R.Narasimha Reddy, Associate Professor | 20000/- | 10 | Vegetables | 24,980/- | 4,980/- | 50% |
| | Green Agro Services for Soil Testing & Vegetable Production | Dr.P.Kavitha Associate Professor | 10000/- | 12 | Soil Test Reports | 16,100/- | 6,100/- | 50% |
| | Sri Lakshmi Leafy vegetable production (Through the biocontrol agents) | Dr.K.Swarajya Lakshmi Associate Professor | - | 13 | Vegetables | 17,215/- | 17,215/- | 50% |
| | Samruddi black gram Production& allied activities | Dr. P.Uma Maheswari Assistant Professor | 20000/- | 13 | Blackgram Production | 22,950/- | 2,950/- | 50% |
| | Tirumala Horticultural Crops Production and allied activities | Dr. Y.Madhavi Assistant Professor | 5000/- | 14 | Horticultural crops | 10,614/- | 5,614/- | 50% |
| 2018-19 | Sri Mahanandeeswara Vermi Compost | Dr. P.V.Ramesh Babu Assistant Professor | 10000/- | 14 | Vermi Compost | 16,000/- | 6,000/- | 50% |
| | Sri Mahanandeeswara Pulses & Vegetable Production | Sri R.Narasimha Reddy Associate Professor | 10000/- | 12 | Pulses & Vegetables | 15,100/- | 5,100/- | 50% |
| | Green Agro Services for soil testing & vegetable production | Dr.P.Kavitha, Associate Professor | - | 14 | Soil Test Reports | 7,440/- | 7,440/- | 50% |
| | Sri Lakshmi Leafy vegetable production | Dr.K.Swarajya Lakshmi Associate Professor | - | 13 | Vegetable | 13,000/- | 13,000/- | 50% |
| | Tirumala Horticultural Crops Production and allied activities | Dr.Y.Madhavi Assistant Professor | - | 13 | Horticultural crops | 7,750/- | 7,750/- | 50% |
| | Green Fingers Agri- | Dr.M.S.Rahul | 1,00,000/- | 13 | Agri | 1,70,000/- | 70,000/- | 50% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Consultancy | Assistant Professor | | | Consultancy | | | |
| 2019-20 | Vermi Compost Unit | Dr.P.V.Ramesh Babu Assistant Professor | 10000/- | 12 | Vermi Compost | 16,000/- | 6,000/- | 75% |
| | Seed Production Unit | Dr.A.Trivikrma Reddy Assistant Professor | 15000/- | 12 | Rice Seed | 36,000/- | 21,000/- | 75% |
| | Green fingers Agri - consultancy | Dr.M.S.Rahul Assistant Professor | 20000/- | 12 | Agri Consultancy | 90,750/- | 70,750/- | 75% |
| | Commercial Horticulture Unit | Dr.Y.Madhavi Assistant Professor | 5000/- | 12 | Vegetables | 22,387/- | 17,387/- | 75% |

### 6.5.3.4 Curricula Delivery Through IT (Smart class rooms/interactive board etc.,)

Smart-class room facilities have been developed in all the class rooms and practical laboratories in the college. During the last five years, most of the facilities have been developed for ICT enabled teaching material and practical manuals. Practical/project work centered courses have been developed. The Institute gives due weightage to the innovative teaching methods developed by the faculty. The college is being provided with uninterrupted internet facility with RF connection from BSNL.

### 6.5.4 Student Development

In the college efforts are being made for personality development and building students character by integrating teaching and co-curricular activities.

Guest lectures are being organized by inviting speakers of national and international repute to create awareness and latest information with respect to different technologies. Industrial tours and field visits are being organized to get exposure on different aspects. Students are also encouraged to interact with different experts by participation in national and international seminars.

### 6.5.4.1 Student Intake and Attrition:

Student intake and attrition in the programme for the last five years

| Degree | 2013-14 | | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | | 2019-20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition |
| B.Sc (Hons) Ag | 96 | 4 | 87 | 0 | 98 | 05 | 169 | 25 | 147 | 15 | 103 | 5 | 132 | 12 |
| M.Sc. (Ag.) | 10 | 0 | 12 | 0 | 3 | 0 | 4 | 0 | 7 | 0 | 7 | 0 | 7 | 2 |

### 6.5.4.2 Average Number of Students in Theory and Practical Classes

| S.No | Name of the Degree Programme | Batch of students in theory class | Batch of students in practical class |
|---|---|---|---|
| 1 | B.Sc.(Hons.)Agriculture | 110 | 55 |
| 2 | M.Sc.(Ag.) | 5 | 5 |

### 6.5.4.3 Admission Process

The admissionsin to UG and PG Programme are through University Counselling. For UG, the students get admission based on their merit in EAMCET and also through ICAR examination. The post graduate students are selected based on the merit in the ICAR (JRF) examination. The student has to pay the registration fee at the counselling centre either by cash or online payment to the

specified account of the college and then the students are considered to be registerd for the course. The students are instructed to attend the respective allotted college in the specified dates after the registration as notified by the university and the students will be filling the registration cards and registration slips for different courses.

### 6.5.4.4Conduct of Practical and hands on training

College has been conducting the practical classes and hands-on-training to the students through various field works and exposure visits.

### Agronomy

The practical classes includeteaching with chartsand models of tools and implements.Different seed samples will be sown to the students for identification of different crops. Students will be trained on weed identification. Irrigation layouts and different methods of sowing and fertilizer applications are being demonstrated to get more practical exposure. The working principles of different meterological instruments and data recording on different weather parameters are also being taught in the practical components.

### Crop physiology

The practical component in crop physiology include experiments on photosynthesis, respiration, transpiration, estimation of chlorophyll content and plant growth.

### Plant Biochemistry and Biotechnology

The technique of micro propagation is being demonstrated. Demonstration on paper chromatography, DNA extraction and gel electrophoresis polymerase chain reaction is also being done.

### Agricultural Economics

The practical exercise include estimation of cost of cultivation of different crops, depreciation of farm assets, net worth and income statements, financial test ratios, break even analysis of the project, economic analysis of different enterprises, partial and complete budgeting and preparation of alternative farm plans. The topics include testing of economic viability of the project, loan proposal formulation and assessment of repayment capacity, risk bearning ability and returns on investment. Marketing of Agricultural products and livestock. Input and output markets, financial criteria for appraisal of the project are also being taught in the pratical component.

## Agricultural Engineering

Farm Machinery and power practicals are being conducted through cut models of different systems of engine and tractors. Protected cultivation and post harvesting techniques are also being taught in the practical component.

## Entomology

The topics include insect morphology and anatomy; classification and identification of different insect pests, pest management strategies, collection and extraction of plant parasitic nematodes. The mass multiplication of biocontrol agents are also being taught as a practical component.

## Agricultural Extension

The topics in pratical component include developmemt of communication skills, preparation of bulletins, pamphlets, booklets, preparation of news, radio talk and channels for effective dissemination of agricultural information. Acostic lab available in the college is being utilized for video making.

## Horticulture

Differenent propagation methods viz.,cutting, layering, budding and grafting are being demonstrated. The crop yield maximization practices like bending, notching, ringing, girdling, training and pruning are being taught in the practicals. The production and marketing of various vegetables and preparation of value added products are also included in the practicals.

## Plant Pathology

The Isolation and identification of plant diseases and their diagnosis in different field and horticultural crops. The other techniques includeisolation and identification of different bioagents and fertilizers.

## Soil Science and Agricultural Chemistry

The physical, chemical and biological properties of soils will be taught in the practical component. Study of different soil forming rocks and minerals along with their properties. Analysis of carbohydrates, proteins, lipids and oils are also carried out.

### 6.5.4.5 System of Education

The course credit system under the Semester pattern is being implemented as per the guidelines of Acharya N.G. Ranga Agricultural University. In this system each academic year is divided into two terms not shorter than 20 weeks, called as "semester". Subjects to be taught are divided into self contained units called Courses. These are taught in a semester through lectures, practical, library reading, field work, assignments, etc. The choice of courses, number of credits to be taken by a student is decided in consultation with the assigned counselor, keeping in view of the existing rules and the performance of the students. If the performance of a student in a particular course is not up to the mark, he may have to repeat the course whenever, it is offered as per the course layout.

The candidates admitted into B.Sc. (Hons.) Agriculture programme have to complete Student READY (Rural and Entrepreneurship Awareness Development Yojana) programme during VII & VIII semester as per the V$^{th}$Dean's Committee recommendations.

**Examinations and Evaluation Process**

For under graduate courses the students have to attend for one mid semester examination (Internal theory) for 50 per cent of theory syllabus, a semester final practical examination will be conducted in the last working day of the course and a semester final theory examination is being conducted by the university as external examination. The mid semester examination and semester final practical examination will be evaluated by the concerned course teacher. The semester final theory papers will be coded and evaluated by the nominated teachers of other collegs of the university.

For Post Graduation programme, in adition to the above procedure of examination the students have to pass the external comprehensive examination both written and oral to get qualified for completion of the course. The document of research work i.e Thesis will be submitted to the university which will be evaluated by the external examiners of other universities. So the monitoring system is well streamlined to assure the quality of education for Post graduate research.

**Evaluation and Grading**

**U.G. programme**

The evaluation and grading of each programme is through the course credit system and as per the Academic Regulations for Bachelor's Degree programme.

**Examinations (Mid-Term and Semester-End)**

Mid- term examinations will be conducted at college level consisting of the theory paper of

one and a half hour duration. The semester final theory and practical examinations are of minimum of two and a half hoursduration.

**The allocation of marks and relative weightages-one credit is equal to 50 marks.**

**6.5.4.5.1 Relative weightage to different examinations conducted,class-work and records maintained during a semester**

| Examination | | Weightage (%) | Marks for credits | |
|---|---|---|---|---|
| | | | 2 (1+1) | 3 (2+1) |
| Theory | Mid-semester | 50 | 20 | 40 |
| | Semester Final | 100 | 30 | 60 |
| Practical | Record and class work | 25 | 25 | 25 |
| | Semester Final | 25 | 25 | 25 |

**Grading and declaration of class**

The grading is in 0-10 point scale.

**6.5.4.5.2 Stages for declaration of classes for UG programme**

As per V$^{th}$ Dean Committee, students seeking less than 50 per cent marks in a course are declared as failed in that course. The students who have 75 per cent attendance, but failed in courses can apply for the semester end examination directly without attending the classes in that course/s. However, such student (s) shall have to register by filling the said courses in the roster form and by payment of fees of Rs.100/- per course. Such repeat courses shall not be considered for the maximum credit load prescribed for the semester.

**6.5.4.5.3 Grading as per V$^{th}$ Dean Committee report**

| Pass | Second class | First class | First class with distinction |
|---|---|---|---|
| 5.00 to 5.99 | 6.00 to 6.99 | 7.00 to 7.99 | 8.00 and above |

**6.5.4.5.4 Merit Scholarships to the students**

| S.No. | Year | Name of the scholarship | Amount Sanctioned (Rs.) | No. of Students |
|---|---|---|---|---|
| 1 | 2013-14 | State Government Scholarship | 7,59,095/- | 78 |
| 2 | 2014-15 | State Government Scholarship | 12,93,450/- | 122 |
| 3 | 2015-16 | State Government Scholarship | 9,85,423/- | 99 |
| 4 | 2016-17 | State Government Scholarship | 12,36,460/- | 120 |
| 5 | 2017-18 | State Government Scholarship | 12,87,317/- | 108 |
| 6 | 2018-19 | State Government Scholarship | 9,84,947/- | 87 |

| | | | | |
|---|---|---|---|---|
| 7 | 2019-20 | State Government Scholarship | 40,10,094/- | 217 |
| 8 | 2017-18 | National Talent Scholarship | 1,12,000/- | 7 |
| 9 | 2018-19 | National Talent Scholarship | 2,24,000/- | 7 |
| 10 | 2019-20 | National Talent Scholarship | 92,100/- | 5 |

### 6.5.4.6 NCC/NSS/RVC Units

College is having two NSS Units running under the control of the NSS Officers.The following B.Sc. (Agri.) volunteers have been admitted into NSS programme during the years from 2013-14 to 2019-20.

#### 6.5.4.6.1 Numbers of volunteers admitted to NSS programme during the last five years

| S. No. | Year | No. of volunteers |
|---|---|---|
| 1 | 2013-14 | 212 |
| 2 | 2014-15 | 250 |
| 3 | 2015-16 | 296 |
| 4 | 2016-17 | 341 |
| 5 | 2017-18 | 375 |
| 6 | 2018-19 | 388 |
| 7 | 2019-20 | 408 |

**Regular Activities:**

1. The **blood donation programme**is being organized every year with the active involvement of NSS volunteers who donate blood voluntarily.
2. As a part of NSS activity different days *viz.*, **InternationalYogaday, World AIDS day, NSS Foundation day, Independence Day, Republic day, International Women's day etc.,**are being organized regularly.
3. Under"***Swachh Bharat Mission***"the cleaning of the campus including hostel premises, roads is being taken up regularly.
4. During the months of July and August **the tree plantation programme**is being organized.
5. Series of guest lectures on various topics are being organized for the overall social and personality development of the NSSvolunteers.

## Special Camp Activities

Every year Seven days residential special camp is being organized exclusively for final year students in the adopted village where in various programmes are undertaken asfollows:

1. Rallies for awareness on various social issues (Public sanitation, personal hygiene, nutrition etc.,)
2. Conducting Village socio-economic survey
3. Medical Camp
4. Tree plantationprogramme.
5. Cleaning of roads, schools, temples and *gram panchayat* premises.
6. Conducting Rythu sadassu and Farmer field visits.
7. Veterinary vaccinationprogramme.

### 6.5.4.6.2 Participation of NSS volunteers in Special Camp

| S.No. | Name of the camp | Venue | Period | No. of participants |
|---|---|---|---|---|
| **Academic year 2013-14** | | | | |
| 1. | Special Camp | Nandipalle Village | 10 days | 44 |
| **Academic year 2014-15** | | | | |
| 1. | Special Camp | Allinagaram | 7 days | 34 |
| **Academic year 2015-16** | | | | |
| 1. | Special Camp | Thimmapuram village | 7 days | 66 |
| **Academic year 2016-17** | | | | |
| 1. | Special Camp | Gopavaram village | 7 days | 71 |
| **Academic year 2017-18** | | | | |
| 1. | Special Camp | Mahadevapuram village | 7 days | 77 |
| **Academic year 2018-19** | | | | |
| 1. | Special Camp | Bukkapuram village | 7 days | 84 |
| **Academic year 2019-20** | | | | |
| 1. | Special Camp | Nandipalle village | 7 days | 95 |

## Specialcontribution/awards/achievements

G. Induvani, MA/2014-012 participated and won 3rd prize in mono action in National Integration Camp under NSS in association with Youth Empowerment and Sports Department which was organized at College of Agriculture, Vijayapur, UAS, Dharwad during December 2015.

Gourav Gajula, NSS volunteer has participated in 23rd National Youth Festival, 2020 at Lucknow from 12th to 16thJanuary, 2020 and attended Suvichar and National Youth Convention programme organized by National Service Scheme.

**Benefit**

The involvement of students in different NSS activities resulted in the change of attitude and personality.By the involvement in NSS the volunteers get opportunity to represent in different state and National level camps.

### 6.5.4.7 Language Laboratory

Some of the students are being joined from agricultural polytechnic stream. Basically these students are poor in English language. In order to have command and proficiency on language for the undergraduate students of B.Sc. (Hons.) Agriculture, conventional mode of instruction for language teaching and developing the communication skills are being used. The extra classes are being conducted by the English teacher regularly to improve vocabulary, language proficiency.

### 6.5.4.8 Cultural Centre

In addition to the course curriculum students are being trained in different extra curricular activities i.e. cultural activities under the guidance of Officer Incharge Student Activities.Students willbe participating every year in the Cultural Meet conducted at the college level, university level and also at the inter university level.

### 6.5.4.9 Personality Development

As a part of personality development for the students and staff different programmes are being organised with the involvement of Officer in-charge Student Affairs, SC-ST Cell and placement cell of the college. The students will be taught about the different activities to improve the personality.

### 6.5.5 Physical Facilities:Examination hall

### 6.5.5.1 Details of examinations hall facility

| Building | No. of halls | Capacity |
|---|---|---|
| Examination Hall | 01 | 120 |

**Examination hall**: College is having one Examination hall separately with the capacity of 120 students.

### 6.5.5.2 Hostels

College has well established hostels separately for boys and girls.

**Boys Hostels:**Three Boys hostels are available (Surya Nandi, Krishna Nandi and New Boys Hostel) with 60 rooms for the accommodation.

| Name of the Hostel | No of rooms | No of students per room | Capacity of accomadation | Accommodated students |
|---|---|---|---|---|
| New Boys hostel | 12 | 3 | 36 | 38 |
| Krishna nandi | 16 | 3 | 48 | 36 |
| Surya Nandi | 32 | 3 | 96 | 102 |
| **Total** | **60** | | **180** | **176** |

**Drinking water facility:** Sufficient (R.O plant is there) drinking water is available in the hostel.

**Indoor games:** Facility is there for Table Tennis, Carroms & Chess in the hostels.

**Fitness (Gym) centre:**Indoor gym facilities are provided at both boys and girls hostel.Outdoor gym is established at girls hostel

**Cleaning of Hostel premises:** Yes, it will be carried out regularily.

**Transport facility:** One ambulance (**Emergency medical service**) is available to attend the medical emergency.

## Girls Hostel

Three girls hostels are available namely Kameswari-I, Kameswari-II and New Girls Hostel, with 50rooms. Each hostel is having the individual RO plant for drinking water facility, indoor gym and workers for cleaning the premisesand one part time doctor is available for the college campus during working hours.

## Accomodation

| Name of the Hostel | No of rooms | No of students per room | Capacity of accomadation | Accommodated students |
|---|---|---|---|---|
| Kameswari I | 16 | 3 | 48 | 48 |
| | 9 | 4 | 36 | 36 |
| Kameswari II | 8 | 4 | 32 | 32 |
| | 4 | 8 | 32 | 37 |
| New block | 9 | 4 | 36 | 36 |
| | 4 | 3 | 12 | 12 |
| **Total** | **50** | | **196** | **201** |

## Total strength of the girl students in the Hostel year wise

| Year | No of students |
|---|---|
| I st year | 71 |
| II nd year | 51 |
| III rd year | 46 |
| IV th year | 31 |

| | |
|---|---|
| PG students | 2 |
| **Total students in the Hostel** | **201** |

**Indoor games:** Facility is there ( Table Tennis, Carroms & Chess )

**Cleaning of Hostel premises:** Yes, it is being taken up regularily.

**Transport facility:** Yes it is available.

**Emergence medical facility:** One ambulance is available to attend medical services.

### 6.5.5.3 Sports and Recreation Facilities:

College is having the adequate facilities for outdoor sports and games. The details are furnished below:

For Boys:

| S.No | Particulars | No. |
|---|---|---|
| 1 | Cricket ground | 1No. |
| 2 | Foot ball Court | 1No. |
| 3 | Venue for Long Jump | 1No. |
| 4 | 400 mts and 100mts running track | 1 No. |
| 5 | Cricket practice pitch along with fencing | 1 No. |
| 6 | Basketball Court | 1 No. |
| 7 | Ball bandminton Courts | 2 No.s |
| 8 | Volley ball Courts | 2 No.s |
| 9 | Shuttle Court(At College) | 1 No. |
| 10 | Indoor Gym | 1 No. |

For Girls:

| S. No | Particulars | No. |
|---|---|---|
| 1 | Ball badminton Court | 1 No. |
| 2 | Volley ball Court | 1 No. |
| 3 | Tennicoit Court | 1 No. |
| 4 | Indoor Gym | 1 No. |
| 5 | Outdoor gym | 1 No. |

**6.5.5.4 Auditorium:** -NIL-

**6.5.5.5 Exhibition Hall/ Museum:**-NIL-

### 6.5.6 Research Facilities

### 6.5.6.1 Post graduate laboratories and Equipments

| Department | Facilities available |
|---|---|
| Agronomy | With in the college farm 5 acres of protected irrigated land is available for P.G.experimentation. Meteorological observatory is there since 1993 for collection of weather data. Nutrient and plant analysis instruments are being shared with the department of SSAC. Irrigation equipment such as tensiometers, water meters, micro irrigation systems, leaf area meter and all the required farm machinery is available at the college farm. All the small equipment such as hot air ovens, electronic balances, grinding mills, moisture measuring instruments are being used forunder graduatestudents of the department are also being used for PG students. |
| Genetics and Plant Breeding | Microscopes, PCR, Geldoc, centrifuzes required for molecular analysis and the minimum equipment of UG programme are also used for P.G research (Eg. Crossing, emasculation, Mitosis and Meosis permanent slides, purity test equipment, seed viability, vigour, germination test etc.,). |

### 6.5.6.2 Research Contingency

The regular contingencies are being provided to the college. An amount of Rs.3,00,000/- is being provided under contingencies and for the same amount the requrirements for P.G Research are meet as and when required. An additional amount of Rs.63,000/- is also being provided under Agro contingencies.

### 6.5.7 Outcome/Output

### 6.5.7.1 Student Performance in National Examinations (From 2013-2019)

**Performance of the students in competitive Exams (ICAR-JRF):**

The following students were admitted into different universities under JRF Quota.

| S. No | Student Name | Subject | Allotted University | Year |
|---|---|---|---|---|
| 1 | M. Sai Venkata Ravi Teja | Crop Physiology | GKVK, Bengaluru | 2016 |
| 2. | K. Mahija | Plant Pathology | OUAT, Orissa | 2018 |
| 3. | S. Ram Mohan Reddy | Agronomy | College of Agiculture, Kerala. | 2018 |
| 4. | B. Prem Kiran | Agricultural Extension | BHU, Varanasi | 2019 |
| 5. | S. Sanith Kumar Reddy | Plant Physiology | KAU, Kerala | 2019 |
| 6.. | M.Usha Sankar | Plant Pathology | UAHS, Shimoga | 2019 |
| 7. | A. Hemanth sree Teja | Entomology | AAU, Assam | 2019 |

### 6.5.7.2 Student Placement Profile

**For B.Sc. (Hons.) Agriculture Students**

| S.No | Admitted batch | No of the students secured Placemets | Details of Placements |
|---|---|---|---|
| 1. | 2009 | 28 | 10 boys and 8 girls were selected as Village Agricultural Assistants(VAA), and 5 boys as field officers in different banksand 5 students as Assistant Professors in ANGRAU. |
| 2. | 2010 | 27 | 12 boys and 8 girls were selected as Village Agricultural Assistants(VAA), 2 girls were selected as Agricultural Officers,Department of Agriculture, Andhra Pradesh and 3 boys asfield officers in different banksand 2 students as Assistant Professors in ANGRAU. |
| 3. | 2011 | 36 | 11 boys and 22 girls were selected as Village Agricultural Assistants(VAA) and 3 boys as field officers in different banks. |
| 4. | 2012 | 26 | 10 boys and 8 girls were selected as Village Agricultural Assistants(VAA), and 8 boys as field officers in different banks. |
| 5. | 2013 | 28 | 16 boys and 11 girls were selected as Village Agricultural Assistant (VAA), Department of Agriculture, Andhra Pradesh and 1 girl selected as |

| | | | |
|---|---|---|---|
| | | | Sericulture Officer, Department of sericulture, Andhra Pradesh. |
| 6. | 2014 | 35 | 11 boys and 19 girls were selected as Village Agricultural Assistants(VAA), 2 girls were selected as Agricultural Officers, Department of Agriculture, Andhra Pradesh and 3 boys as field officers in different banks. |
| 7. | 2015 | 30 | 18 boys and 12 girls were selected as Village Agriciltural Assistants(VAA). |

**International Training Programmes attended by the students under IDP**

Under Institutional Developmental Plan (IDP) students were sent to attend differentInternational training programmesat different places as detailed below

Four students were attended training programme on skill development conducted at Oklahoma State University, Oklahoma, USA from 01.06.2019 to 29.07.2019.

Five students were participated in internship progrmme at Kansas State University, Kansas, USA from 20.06.2019 to 09.07.2019.

**6.5.7.3 Awards/Recognitions/Certificates**

| S.No. | Name of the Faculty / Dept./ Institution | Name of the Award | Remarks |
|---|---|---|---|
| 1. | Dr. M. Sudha Rani Associate Professor | Sri VaddadiNarasimhaSwamy Memorial Gold Medal | Awarded in 46th Convocation of ANGRAU at Bapatla. |
| 2. | Dr. K.N. Ravi Kumar Professor & Head Dept. of Agril. Economics | Best Research worker award in the Dept. of Agrilcultural Economics. | Awarded in 47thConvocation of ANGRAU at Rajahmundry. |
| 3. | Dr. K.N. Ravi Kumar Professor & Head Dept. of Agril. Economics | State Best Teacher Award-2016 | Awarded at Vijayawada on the eve of teachers day celebrations by the Govt. of Andhra Pradesh. |
| 4. | Dr. A.V.S. Durga Prasad | Dr. P. Veerabadhran Gold Medal for best Ph.D thesis in blackgram from Indian Society of Plant Breeders, Centre for Plant Breeding and Genetics | Awarded at TNAU, Coimbatore on 9th, September, 2016 |
| | | ISPB Student Cash Award 2105-16 in securing Third Rank for Ph.D in Genetics and Plant Breeding from Indian Society of Plant Breeders, Centre for Plant Breeding and Genetics | Awarded at TNAU, Coimbatore on 9th, September, 2016 |
| | | "Excellence in Teaching Award in Genetics & Plant Breeding" from Astha | 10-11 December, |

| | | | |
|---|---|---|---|
| | | Foundation in National Conference on Innovative and Current Advances in Agriculture and Allied Sciences (ICAAAS-2016) | 2016 at PJTSAU, Rajendranagar, Hyderabad |
| 5. | Dr. Y. Narasimhudu | Dr. I.V. Subba Rao Rythunestham Puraskaram for the year 2017 by Muppavarapu foundation | 3rd October at Swarna Bharathi Trust, Gannavaram, Krishna District. |

### 6.5.7.4 Employability

As a part of the curriculum the students of Agricultural College, Mahanandi are well exposed to latest developments in agriculture. During the final year the students will undergo RAWEP programme where in they acquaint with the package of practices for different crops of the region with actual involvement in different field operations. Different Experiential Learning (EL) modules are being maintained in the campus where in the students get hands on training on production of biocontrol agents, vermicomposting, seed production, commercial vegetable production, value addition of small millets, video making etc. As a part of EL programme the students are well trained to prepare DetailedProject Reports (DPR's) and marketing of the produces of different EL units. In addition, students are exposed to many laboratories and Agro based industries viz., biocontrol laboratories, tissue culture laboratories, ware houses, cold storage units, ripening chambers, seed processing plants, vegetable nurseries and many post harvesting and value addition units functioning in different KVKs of the region.

Students also get opportunity for acquaintance on different aspects of seed production of different crops as the college is located in the seed hub of Rayalaseema region of Andhra Pradesh. The students of Agricultural College, Mahanandi are also fortunate to get exposure to different horticultural crops and different aspects of livestock management as Horticultural Research Station and Livestock Research Station are also located in the premises of the college.

The students are exposed to different co-circular activities like sports and games and cultural activities which help them for the over all development of the personality. Guest lectures are also being organized to improve vocabulary, communication skills and personality development. With the facilities available in the college in addition to the competitant faculty the students are able to acquire technical knowledge, skill and ability to settle in any career after graduation.

In the last five years from the outgoing batchs, 8 students have been selected as Mandal Agricultural Officers (MAO's), 25 students were selected in different banks officers as through

IBPS and 70 students have been selected as Village Agricultural Assistant in the Department of Agriculture, Andhra Pradesh. In addition, more than 100 students are employed in private sector. In the recent years many of the students are inclined to self-employment, perhaps due to reasons of hands on practical training they gained during their graduation. Around 20-25 students are self-employed, few students are opted for higher studies and some are preparing for competitive examinations.

**6.5.8**SSR of the college must have the SSR of all its Degree Programmes (following section 6.4), then the report of the colleges shall be considered.

### 6.5.9 Certificate

I, Dr.G. Prabhakara Reddy, the Associate Dean, hereby certify that the information contained in Sections 6.4 and Sections 6.5.1 to 6.5.7.4 are furnished as per the records available in the college and degree awarding university.



Signature of the Associate Dean of the College with Date & Seal



# Acharya N.G.Ranga Agricultural University

# Agricultural College

# MAHANANDI-518502

## SELF STUDY REPORT

## 6.4 UG

## ACCREDIATION REPORT – TASK COMMITTEE

**Chairman: Dr. G. Prabhakara Reddy, Associate Dean**

Member: Dr. A. Prasanna Rajesh, Professor & Head, Department of Genetics and Plant Breeding

Member: Dr. M. Srinivasa Reddy, Associate Professor & Head, Department of Agronomy

Member: Dr. M. Satish Rahul, Assistant Professor & Head, Department of Agricultural Extension

Member: Dr. G. Fareeda, Assistant Professor, Department of Plant Bio-Chemistry

Member: Dr. P. V. Ramesh Babu, Assistant Professor, Department of Agronomy

Member: Sri. Y. S. Satish Kumar, Assistant Professor, Department of Soil Science & Agricultural Chemistry

Annexure – II

**Application for Accreditation of a College**

To

The Secretary,
Accreditation Board,
Indian Council of Agricultural Research,
Krishi Anushandhan Bhavan-II,
Pusa, New Delhi – 110012.

Sir,

Sub: Accreditation of Agricultural College, Mahanandi, Andhra Pradesh- For the period from 2021-22 to 2026-27– Reg.

I, request that, the Agricultural College, Mahanandi of Acharya N.G.Ranga Agricultural University may kindly be considered for accreditation by the ICAR Accreditation Board for the period from 2021-22 to 2026-27.

Yours faithfully,

Registrar / Authorized Officer
Acharya N G Ranga Agril.University



Annexure – IV

**Certificate of the Self Study Report of a College**

To

The Secretary,
Accreditation Board,
Indian Council of Agricultural Research,
Krishi Anushandhan Bhavan-II,
Pusa,New Delhi – 110012.

Sir,

Subject: Submission of Self Study Report of Agricultural College, Mahanandi, ANGRAU- Requested - Regarding

This Self Study Report is submitted for the purpose of assisting in the determination as to whether or not Agricultural College, Mahanandi should become accredited by the ICAR Accreditation Board.

It is certified that, there was broad participation by the various constituents of the College in conduct of Self Study and preparation of Self Study Report, and the report accurately reflects the nature and substance of the College.

Yours faithfully,

9/9/2020

ASSOCIATE DEAN
Agricultural College, MAHANANDI

Registrar / Authorized Officer
Acharya N G Ranga Agril.University

## 6.4SELF STUDY REPORT OF THE PROGRAMME

### 6.4.1Brief History of the Degree Programme

Agricultural College, Mahanandi of Acharya N.G. Ranga Agricultural University, Andhra Pradesh, Guntur situated in the natural habitat adjacent to Nallamala forest range in Mahanandi, abode of Lord Mahanandiswara, in Kurnool district. Earlier the college was initiated at Nandyal in the premises of Regional Agricultural Research Station (Cotton Research Laboratory Building) on 18th August, 1991, to meet the ever growing challenges in agricultural education and training in respect of Semi Arid Agriculture of Kurnool and Anantapuramu Districts of Rayalaseema. Later, it was shifted to the present campus at Mahanandi CattleFarm (M.C. Farm), Mahanandi on 9th February, 1996, as the Government of Andhra Pradesh transferred an area of 153.5 ha. of landof LivestockfarmoftheDepartmentofAnimalHusbandry to the AcharyaN.G.RangaAgriculturalUniversity along with the infrastructural facilities *viz.*, land, buildings, cattle sheds etc., through G.O. Ms. No. 962 dated 8/7/1992 of the Government of Andhra Pradesh, Food and Agricultural Department. The College started in 1991 with an initial intake of 30 students in B.Sc. (Hons.)Agricultureand in 2010, Postgraduate programme was also started in Agronomy, Genetics and Plant Breeding, Plant Pathology, Soil Science& Agricultural Chemistry and in 2012-13, in Agricultural Economics and Agricultural Extension.

Sri.N.Janardhan Reddy, the then Hon'bleChief Minister of Andhra Pradesh laid the foundation stone of Agricultural College on 18-08-1991 in the presence of following dignitaries: Sri.K.VijayaBhaskar Reddy,Hon'bleMinister of Law & Justice, Govt. of India,Sri.K.N.RambhupalChowdary,Hon'bleMinister of Cooperation, Govt. of Andhra Pradesh,Sri.K.Rosaiah, Hon'bleMinister of Health, Govt. of Andhra Pradesh, Sri.P. Ramanath Reddy, MLA and Sri.GangulaPrathap Reddy, MP.

Later on Sri. P.V. NarasimhaRao, Hon'ble Prime Minister of India laid foundation forthis College on 21st January, 1993 at Mahanandi.

## 6.4.2.1& 6.4.3.1 Faculty Strength and Technical and Supporting staff(2013-14)

| Designation | Strength Sanctioned:15+1 Redeployed: 08 | Strength in position | Vacancy | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|
| **Teaching staff** | | | | |
| Associate Dean | 1 | 1 | - | 1 |
| Professor(CAS) | 0 | 3 (CAS) | -- | 3 |
| Associate Professor | 8 | 7 (CAS) | -- | 8 |
| Assistant Professor | Sanctioned : 7<br>Re-deployed: 8 | 13 | - | 36 |
| **Total** | **23 + 1** | **23 + 1** | **-** | **48** |
| **Technical and Supporting staff** | | | | |
| Farmsuperintendent | - | - | - | 1 |
| Administrative Officer | 1 | 1 | - | 1 |
| Physical director | - | - | - | 1 |
| Superintendent | - | - | - | 1 |
| A.E.O | 2 | 2 | - | 4 |
| Sr. Asst. | 3 | 3 | 0 | 3 |
| JACT | 3 | 3 | 0 | 3 |
| Office subordinates | 6 | 6 | - | 5 |
| Others if any SLA | 1 | 1 | - | 1 |
| JLA | 1 | 1 | - | 1 |
| Drivers | 2 | 2 | - | 2 |
| Tractor Drivers | 1 | 1 | 0 | - |
| Record Asst | 4 | 4 | - | 4 |
| Agricultural Work man | 2 | 2 | 0 | 2 |
| Grounds man | 1 | 1 | - | 1 |
| Watch man | 4 | 4 | 0 | 2 |
| Cook | 1 | 1 | 0 | 1 |
| Sweeper | 1 | 0 | 1 | 1 |
| **Total** | **34** | **33** (9 posts are filled by out sourcing) | **1** | **34** |

## 6.4.2.2& 6.4.3.2Faculty Strength and Technical and Supporting staff(2014-15)

| Designation | Strength Sanctioned:15+1 Redeployed: 08 | Strength in position | Vacancy | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|
| **Teaching staff** | | | | |
| Associate Dean | 1 | 1 | - | 1 |
| Professor(CAS) | 0 | 3 (CAS) | -- | 3 |
| Associate Professor | 8 | 7 (CAS) | -- | 8 |
| Assistant Professor | Sanctioned : 7<br>Re-deployed: 8 | 13 | - | 36 |
| **Total** | **23 + 1** | **23 + 1** | **-** | **48** |
| **Technical and Supporting staff** | | | | |
| Farmsuperintendent | - | - | - | 1 |
| Administrative Officer | 1 | 1 | - | 1 |
| Physical director | - | - | - | 1 |
| Superintendent | 1 | 1 | - | 1 |
| A.E.O | 2 | 2 | - | 4 |
| Sr. Asst. | 3 | 3 | 0 | 3 |
| JACT | 3 | 3 | 0 | 3 |
| Office subordinates | 6 | 6 | - | 5 |
| Others if any SLA | 1 | 1 | - | 1 |
| JLA | 1 | 1 | - | 1 |
| Drivers | 2 | 2 | - | 2 |
| Tractor Drivers | 1 | 1 | 0 | - |
| Record Asst | 4 | 4 | - | 4 |
| Agricultural Work man | 2 | 2 | 0 | 2 |
| Grounds man | 1 | 1 | - | 1 |
| Watch man | 4 | 4 | 0 | 2 |
| Cook | 1 | 1 | 0 | 1 |
| Sweeper | 1 | 0 | 1 | 1 |
| **Total** | **34** | **33** (9 posts are filled by out sourcing) | **1** | **34** |

## 6.4.2.3& 6.4.3.3 Faculty Strength and Technical and Supporting staff(2015-16)

| Designation | Strength Sanctioned:15+1 Redeployed: 08 | Strength in position | Vacancy | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|
| **Teaching staff** | | | | |
| Associate Dean | 1 | 1 | - | 1 |
| Professor(CAS) | 0 | 3 (CAS) | -- | 3 |
| Associate Professor | 8 | 7 (CAS) | -- | 8 |
| Assistant Professor | Sanctioned : 7<br>Re-deployed: 8 | 13 | - | 36 |
| **Total** | **23 + 1** | **23 + 1** | **-** | **48** |
| **Technical and Supporting staff** | | | | |
| Farmsuperintendent | - | - | - | 1 |
| Administrative Officer | 1 | 1 | - | 1 |
| Physical director | - | - | - | 1 |
| Superintendent | 1 | 1 | - | 1 |
| A.E.O | 2 | 2 | - | 4 |
| Sr. Asst. | 3 | 3 | 0 | 3 |
| JACT | 3 | 3 | 0 | 3 |
| Office subordinates | 6 | 6 | - | 5 |
| Others if any SLA | 1 | 1 | - | 1 |
| JLA | 1 | 1 | - | 1 |
| Drivers | 2 | 2 | - | 2 |
| Tractor Drivers | 1 | 1 | 0 | - |
| Record Asst | 4 | 4 | - | 4 |
| Agricultural Work man | 2 | 2 | 0 | 2 |
| Grounds man | 1 | 1 | - | 1 |
| Watch man | 4 | 4 | 0 | 2 |
| Cook | 1 | 1 | 0 | 1 |
| Sweeper | 1 | 0 | 1 | 1 |
| **Total** | **34** | **33** (9 posts are filled by out sourcing) | **1** | **34** |

## 6.4.2.4& 6.4.3.4 Faculty Strength and Technical and Supporting staff(2016-17)

| Designation | Strength Sanctioned:15+1 Redeployed: 08 | Strength in position | Vacancy | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|
| **Teaching staff** | | | | |
| Associate Dean | 1 | 1 | - | 1 |
| Professor(CAS) | 0 | 3 (CAS) | -- | 3 |
| Associate Professor | 8 | 7 (CAS) | -- | 8 |
| Assistant Professor | Sanctioned : 7<br>Re-deployed: 8 | 13 | - | 36 |
| **Total** | **23 + 1** | **23 + 1** | **-** | **48** |
| **Technical and Supporting staff** | | | | |
| Farmsuperintendent | - | - | - | 1 |
| Administrative Officer | 1 | 1 | - | 1 |
| Physical director | - | - | - | 1 |
| Superintendent | 1 | 1 | - | 1 |
| A.E.O | 2 | 2 | - | 4 |
| Sr. Asst. | 3 | 3 | 0 | 3 |
| JACT | 3 | 3 | 0 | 3 |
| Office subordinates | 6 | 6 | - | 5 |
| Others if any SLA | 1 | 1 | - | 1 |
| JLA | 1 | 1 | - | 1 |
| Drivers | 2 | 2 | - | 2 |
| Tractor Drivers | 1 | 1 | 0 | - |
| Record Asst | 4 | 4 | - | 4 |
| Agricultural Work man | 2 | 2 | 0 | 2 |
| Grounds man | 1 | 1 | - | 1 |
| Watch man | 4 | 4 | 0 | 2 |
| Cook | 1 | 1 | 0 | 1 |
| Sweeper | 1 | 0 | 1 | 1 |
| **Total** | **34** | **33** (9 posts are filled by out sourcing) | **1** | **34** |

## 6.4.2.5& 6.4.3.5 Faculty Strength and Technical and Supporting staff(2017-18)

| Designation | Strength Sanctioned:15+1 Redeployed: 08 | Strength in position | Vacancy | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|
| **Teaching staff** | | | | |
| Associate Dean | 1 | 1 | - | 1 |
| Professor(CAS) | 0 | 3 (CAS) | -- | 3 |
| Associate Professor | 8 | 7 (CAS) | -- | 8 |
| Assistant Professor | Sanctioned : 7<br>Re-deployed: 8 | 13 | - | 36 |
| **Total** | **23 + 1** | **23 + 1** | **-** | **48** |
| **Technical and Supporting staff** | | | | |
| Farm superintendent | - | - | - | 1 |
| Administrative Officer | 1 | 1 | - | 1 |
| Physical director | - | - | - | 1 |
| Superintendent | 1 | 1 | - | 1 |
| A.E.O | 2 | 2 | - | 4 |
| Sr. Asst. | 3 | 3 | 0 | 3 |
| JACT | 3 | 3 | 0 | 3 |
| Office subordinates | 6 | 6 | - | 5 |
| Others if any SLA | 1 | 1 | - | 1 |
| JLA | 1 | 1 | - | 1 |
| Drivers | 2 | 2 | - | 2 |
| Tractor Drivers | 1 | 1 | 0 | - |
| Record Asst | 4 | 4 | - | 4 |
| Agricultural Work man | 2 | 2 | 0 | 2 |
| Grounds man | 1 | 1 | - | 1 |
| Watch man | 4 | 4 | 0 | 2 |
| Cook | 1 | 1 | 0 | 1 |
| Sweeper | 1 | 0 | 1 | 1 |
| **Total** | **34** | **33** (9 posts are filled by out sourcing) | **1** | **34** |

## 6.4.2.6& 6.4.3.6 Faculty Strength and Technical and Supporting staff(2018-19)

| Designation | Strength Sanctioned:15+1 Redeployed: 08 | Strength in position | Vacancy | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|
| **Teaching staff** | | | | |
| Associate Dean | 1 | 1 | - | 1 |
| Professor(CAS) | 0 | 3 (CAS) | -- | 3 |
| Associate Professor | 8 | 7 (CAS) | -- | 8 |
| Assistant Professor | Sanctioned : 7<br>Re-deployed: 8 | 13 | - | 36 |
| **Total** | **23 + 1** | **23 + 1** | **-** | **48** |
| **Technical and Supporting staff** | | | | |
| Farm superintendent | - | - | - | 1 |
| Administrative Officer | 1 | 1 | - | 1 |
| Physical director | - | - | - | 1 |
| Superintendent | 1 | 1 | - | 1 |
| A.E.O | 2 | 2 | - | 4 |
| Sr. Asst. | 3 | 3 | 0 | 3 |
| JACT | 3 | 3 | 0 | 3 |
| Office subordinates | 6 | 6 | - | 5 |
| Others if any SLA | 1 | 1 | - | 1 |
| JLA | 1 | 1 | - | 1 |
| Drivers | 2 | 2 | - | 2 |
| Tractor Drivers | 1 | 1 | 0 | - |
| Record Asst | 4 | 4 | - | 4 |
| Agricultural Work man | 2 | 2 | 0 | 2 |
| Grounds man | 1 | 1 | - | 1 |
| Watch man | 4 | 4 | 0 | 2 |
| Cook | 1 | 1 | 0 | 1 |
| Sweeper | 1 | 0 | 1 | 1 |
| **Total** | **34** | **33** (9 posts are filled by out sourcing) | **1** | **34** |

## 6.4.2.7& 6.4.3.7 Faculty Strength and Technical and Supporting staff (2019-20)

| Designation | Strength Sanctioned:15+1 Redeployed: 08 | Strength in position | Vacancy | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|
| **Teaching staff** | | | | |
| Associate Dean | 1 | 1 | - | 1 |
| Professor(CAS) | 0 | 3 (CAS) | -- | 3 |
| Associate Professor | 8 | 7 (CAS) | -- | 8 |
| Assistant Professor | Sanctioned : 7<br>Re-deployed: 8 | 13 | - | 36 |
| **Total** | **23 + 1** | **23 + 1** | **-** | **48** |
| **Technical and Supporting staff** | | | | |
| Farm superintendent | - | - | - | 1 |
| Administrative Officer | 1 | 1 | - | 1 |
| Physical director | - | - | - | 1 |
| Superintendent | 1 | 1 | - | 1 |
| A.E.O | 2 | 2 | - | 4 |
| Sr. Asst. | 3 | 3 | 0 | 3 |
| JACT | 3 | 3 | 0 | 3 |
| Office subordinates | 6 | 6 | - | 5 |
| Others if any SLA | 1 | 1 | - | 1 |
| JLA | 1 | 1 | - | 1 |
| Drivers | 2 | 2 | - | 2 |
| Tractor Drivers | 1 | 1 | 0 | - |
| Record Asst | 4 | 4 | - | 4 |
| Agricultural Work man | 2 | 2 | 0 | 2 |
| Grounds man | 1 | 1 | - | 1 |
| Watch man | 4 | 4 | 0 | 2 |
| Cook | 1 | 1 | 0 | 1 |
| Sweeper | 1 | 0 | 1 | 1 |
| **Total** | **34** | **33** (9 posts are filled by out sourcing) | **1** | **34** |

### 6.4.4Class rooms and Laboratories

Four wellequipped classrooms are available with this college. These are well equipped with audiovisual aids for effective teaching. All the lecture halls are provided with LCD Projector, Computer, T.V. public address system and UPS. All the major equipment required for under graduate practical classes are available inall the departments of the college. The college is having very good farm facilities with separate demarked land with protection for under graduate demonstration plotswith in the farm of 100 acres. All the departments are equipped with all the facilities to conduct practical classes for 60 students at a time. In addition, the college is also recently provided with central instrumentation laboratory with advanced instruments sanctioned under Institutional Development Plan under NAHEP. Very fortunately the college campus also has Live Stock Research Station and Horticultural Research Station which enlightens the practical components of farming systems, horticultural crops etc.,

#### 6.4.4.1 Class rooms available

| Class Room | Smart Class Room |
|---|---|
| Hall-1 | Smart Class Room |
| Hall-2 (Virtual Class Room) | Smart Class Room |
| Hall-3 | Smart Class Room |
| Hall-4 | Smart Class Room |

#### 6.4.4.2 Number of laboratories available

| S.No | Department | No. of laboratoriesavailable for UG |
|---|---|---|
| 1 | Agronomy | 1 Laboratory / Practical hall |
| 2 | Genetics and Plant Breeding | 1 Laboratory / Practical hall |
| 3 | Soil Science and Agricultural Chemistry | 2 Laboratories / Practical halls |
| 4 | Agricultural Engineering | 1 Laboratory / Practical hall |
| 5 | Entomology | 1 Laboratory / Practical hall |
| 6 | Agricultural Extension | 2 Laboratories / Practical halls |
| 7 | Plant Pathology | 1 Laboratory / Practical hall |
| 8 | Horticulture | 1 Laboratory / Practical hall |

### 6.4.4.3Average number of students in theory and practical classes

| S.No | Name of the Degree Programme | Students in Theory | Batch of students in practical |
|---|---|---|---|
| 1 | B.Sc. (Hons.) Agriculture | 110 | 55 |

The class rooms and laboratories are sufficient to meet the course curricula requirement of the degreeprogramme.

### 6.4.4.4College Farm

| S.No | Particulars | Area (ha) |
|---|---|---|
| 1. | Total area of the campus | 64.4 |
| 2. | Area of the college farm | 39.6 |
| a | Irrigated Land | 39.6 |
| b | Rainfed Land | Nil |
| 3. | Area under Buildings/ Roads/ Play Ground etc., | 24.8 |

### 6.4.4.5Institutional area available

| S. No | Particulars | No. of units | Plinth Area (sq.ft) | Capacity if Applicable | Adequate (Yes/No) |
|---|---|---|---|---|---|
| 1 | Administrative office | 1 | 1800 | -- | Yes |
| 2 | Classrooms | 4 | 6400(1600×4) | -- | No |
| 3 | Laboratory | 9 | 14400(1600×9) | -- | No |
| 4 | Library | 1 | 3200 | -- | Yes |
| 5 | Examination Hall | 1 | 3200 | -- | Yes |
| 6 | New Instrumentation laboratory | 1 | 7000 | -- | Yes |
| 7 | Boys' hostels | 3 | 47500 | -- | Yes |
| 8 | Girls' hostels | 3 | 39500 | -- | Yes |
| 9 | Staff rooms | 26 | 7800(rooms of 150 $ft^2$ and 250 $ft^2$ and toilets) | -- | No |
| 10 | Associate Dean room and other corridor | 1+1 | 9000 | -- | Yes |

### 6.4.4.6Farm Power, Machinary and Irrigation Facilities

There are 4 tractors (2 with 45 HP, One with 35HP and the other mini tractor of 18 HP) and all the implements such as ploughs (both MB and Disc plough), rotavator, cultivators, blade and disc harrows, winnowing accessories, assembled accessories for water lifting and power spraying are available.

There is also a seed processing unit(1ton capacity with Pneumatic seed grader) and approved by the seed certification agency for processing of the seed generated in the college campus.

### 6.4.4.7Irrigation facilities

The college farm is blessed with a natural water stream from Nallamalla forest hills *viz*., Paleru vagu.The stream will be flowing for almost 9 months in a year and provision is made for lift irrigation with 30 HP capacity motors (2 motors of 15 HP each) and the discharge can meet the water requirement of 8 ha of rice field. In addition the college farmalso have water from Teluguganga Branch canal where in water is available during*Kharif*season and provide irrigation for 6 ha.There are 8 bore wells supported with power sources with a good yield of water being used for irrigation of ID crops, mango orchard and PG experimental plots and student demonstrationplots.

### 6.4.4.7.1Irrigation infrastructure facilities

| S. No | Total cultivable land | Particulars |
|---|---|---|
| 1. | Irrigated land | 39.6 ha |
| 2. | Lift Irrigation | 33.06 ha(Paleru vagu and borewells) |
| 3. | No. of open wells | Nill |
| 4. | Area under open well irrigation | Nill |
| 5. | No. of bore wells | 8 |
| 6. | Any other | Telugu ganga branch canal 6.54 ha |

### 6.4.4.7.2Farm Pond

The college has four farm ponds having a dimension of 250 $m^3$ each aimed mainly for recharge of ground water and for supplemental irrigation.

### 6.4.5 Conduct of Practical and Hands-on-Training

The undergraduate courses involve conducting practicals as per credits allotted to the specified courses andhands on training and field/lab practicals.

In Fundamentals of Plant Biochemistry and Biotechnology course the technique of

paperchromatography, Isolation of DNA and PCR, micro propagation in banana is beingdemonstrated.Production technology of vegetables and flower crops: Maximization of vegetable yield by different practices *viz*., staking, turning, blanching, earthing up etc., Vegetable Production: commercial production and marketing of various vegetables and preparation of value addedproducts.

Soil analysis for different micro and macro nutrients will be demonstrated practically.The visits to agro-industries include fruit processing plants, cold storage units, post-harvest and marketing management (sorting, grading and packing), rice mill, milk collection, chilling and processingunits, nursery units (Government and private), agro- service centre etc.,

### 6.4.6Supervision of Students in PG/PhD programmes

The maximum number of students supervised as a member of the advisory committee including the chairman for each teacher at a given time is not more than 4(including PG and Ph.D. research students). For PG students, one teacher of the Department will be the chairperson and one more teacher each from the same department and supporting department will be the members of the advisory committee.

This college do not have Ph.D. programme. However, regular advisory classes and counselling meetings are being conducted to discuss regarding overall academic progress of undergraduate and postgraduate students and personality development. In case of emergency issues like misbehavior of students, girl's health problems parents will be informed / called to the college.

### 6.4.7 Feedback of stakeholders (Students, parents, industries, employees, farmers, etc.,)

All the students who have completed Post Graduation from this campus are well settled in universities as staff members, officers in banks, Agricultural officers in the Department of Agriculture and the students expressed their satisfaction to pursue PG programme at Mahanandi due to good farm facilities to carryout the research trails, analysis and timely submission of the thesis etc.

This college is especially give opportunities to the students for the career development inAgriculture sector. In the college premisesone suggestion and complaints box has been arranged to get feed back from the students.

This college has provided an excellent platform and infrastructure to establish very good rapport between students and teachers.

### 6.4.8 Student intake and attrition in the Programme for the last five years

| Degree | 2013-14 | | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | | 2019-20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition |
| B.Sc (Hons.) Agriculture | 96 | 4 | 87 | 0 | 98 | 05 | 169 | 25 | 147 | 15 | 103 | 5 | 132 | 12 |
| M.Sc Agriculture | 10 | 0 | 12 | 0 | 3 | 0 | 4 | 0 | 7 | 0 | 7 | 5 | 7 | 2 |

### 6.4.9ICT Applications in Curricula Delivery

Our College faculty are utilizing the ICT application for teaching and research guidence to the students. Since all the class rooms are provided with computers, projectors and internet facility most of the classes are being taken by power point presentations. The teachers also use internet facility to play video clippings of advanced technologies for better understanding of concepts to the students.

### 6.4.10Faculty Strength for Post graduate programme (Agronomy and Genetics&Plant Breeding)

No separate staff were scanctioned for Post Graduate programme, however, the UG staff strength as given below are also supporting the Post Graduate programme.

### 6.4.10.1Faculty Strength and Technical and Supporting staff

### Faculty Strength

| Designation | Sanctioned | Filled |
|---|---|---|
| Dean | 1 | 1 |
| Professor | - | - |
| Associate Professor | 8 | 8**(1 Teaching Associate)** |
| Assistant Professor | 15 | 15 **(2 Teaching Associates)** |
| **Total** | **24** | **24** |

### Technical and Supporting staff

| Technical and Supporting staff | | | | |
|---|---|---|---|---|
| Farmsuperintendent | - | - | - | 1 |
| Administrative Officer | 1 | 1 | - | 1 |
| Physical Director | - | - | - | 1 |
| Superintendent | 1 | 1 | - | 1 |
| A.E.O | 2 | 2 | - | 4 |
| Senior Assistant | 3 | 3 | 0 | 3 |

| | | | | |
|---|---|---|---|---|
| JACT | 3 | 3 | 0 | 3 |
| Office subordinates | 6 | 6 | - | 5 |
| Others if any SLA (Senior library Assistant) | 1 | 1 | - | 1 |
| JLA | 1 | 1 | - | 1 |
| Drivers | 2 | 2 | - | 2 |
| Tractor Drivers | 1 | 1 | 0 | - |
| Record Assistants | 4 | 4 | - | 4 |
| Agricultural Work man | 2 | 2 | 0 | 2 |
| Ground man | 1 | 1 | - | 1 |
| Watchman | 4 | 4 | 0 | 2 |
| Cook | 1 | 1 | 0 | 1 |
| Sweeper | 1 | 0 | 1 | 1 |
| **Total** | **34** | **33**(9 posts are filled by out sourcing) | **1** | **34** |

### 6.4.10.2Class rooms and Laboratories

At present P.G. programme is being offered only in two departments *i.e.*, Agronomy and Genetics and Plant Breeding. Two wellequipped classrooms are made available exclusively for the post graduate programme in the departments of Agronomy and Genetics and Plant breeding. These are well equipped with audiovisual aids*viz*., LCD Projector, Computer, T.V. public address system and UPSfor effective teaching. All the major equipment required for Post graduate research and analysis are available at this college in the departments of Soil Science and Agricultural Chemistry (SSAC), Agronomy and Genetics and Plant Breeding. The department of Agronomy is utilizing the facilities of SSAC laboratory for nutrient and plant analysis. The college is having very good farm facilities with 5.0 acres of land exclusively marked with protection for P.G. Research with in the college farm.

### 6.4.10.3 Average number of students in theory and practical classes

| S.No | Name of the Degree Programme | Students in Theory | Batch of students in practical |
|---|---|---|---|
| 1 | M.Sc. (Agriculture) | 5 | 5 |

The class rooms and laboratories are sufficient to meet the course curricula requirement of the P.G programme.

### 6.4.11Certificate

I,Dr. G. Prabakara Reddy, the Associate Dean hereby certify that the information contained in the section 6.4.1 and 6.4.10 are furnished as per the records available in the college and degree awarding university.

9/9/2020

Signature of the Associate Dean of the College with Date & Seal

ASSOCIATE DEAN
Agricultural College, MAHANANDI

# Acharya N.G.Ranga Agricultural University

## Agricultural College

## MAHANANDI-518502

# SELF STUDY REPORT

## 6.4 PG

## ACCREDIATION REPORT – TASK COMMITTEE

**Chairman: Dr. G. Prabhakara Reddy, Associate Dean**

Member: Dr. A. Prasanna Rajesh, Professor & Head, Department of Genetics and Plant Breeding

Member: Dr. M. Srinivasa Reddy, Associate Professor & Head, Department of Agronomy

Member: Dr. M. Satish Rahul, Assistant Professor & Head, Department of Agricultural Extension

Member: Dr. G. Fareeda, Assistant Professor, Department of Plant Bio-Chemistry

Member: Dr. P. V. Ramesh Babu, Assistant Professor, Department of Agronomy

Member: Sri. Y. S. Satish Kumar, Assistant Professor, Department of Soil Science & Agricultural Chemistry

Annexure – II

**Application for Accreditation of a College**

To

The Secretary,
Accreditation Board,
Indian Council of Agricultural Research,
Krishi Anushandhan Bhavan-II,
Pusa, New Delhi – 110012.

Sir,

Sub: Accreditation of Agricultural College, Mahanandi, Andhra Pradesh- For the period from 2021-22 to 2026-27– Reg.

I, request that, the Agricultural College, Mahanandi of Acharya N.G.Ranga Agricultural University may kindly be considered for accreditation by the ICAR Accreditation Board for the period from 2021-22 to 2026-27.

Yours faithfully,




Registrar / Authorized
Acharya N G Ranga Agril.University

Annexure – IV

**Certificate of the Self Study Report of a College**

To

The Secretary,
Accreditation Board,
Indian Council of Agricultural Research,
Krishi Anushandhan Bhavan-II,
Pusa,New Delhi – 110012.

Sir,

Subject: Submission of Self Study Report of Agricultural College, Mahanandi, ANGRAU- Requested - Regarding

This Self Study Report is submitted for the purpose of assisting in the determination as to whether or not Agricultural College, Mahanandi should become accredited by the ICAR Accreditation Board.

It is certified that, there was broad participation by the various constituents of the College in conduct of Self Study and preparation of Self Study Report, and the report accurately reflects the nature and substance of the College.

Yours faithfully,

9/9/2020
ASSOCIATE DEAN
Agricultural College, MAHANANDI

Registrar / Authorized Officer
Acharya N G Ranga Agril.University

## 6.4 SELF STUDY REPORT OF THE PROGRAMME

### 6.4.1 Brief History of the PG Programme

Agricultural College, Mahanandi of Acharya N.G. Ranga Agricultural University, Andhra Pradesh, Guntur situated in the natural habitat adjacent to Nallamala forest range in Mahanandi, abode of Lord Mahanandiswara, in Kurnool district. Earlier the college was initiated at Nandyal in the premises of Regional Agricultural Research Station (Cotton Research Laboratory Building) on 18th August, 1991, to meet the ever growing challenges in agricultural education and training in respect of Semi Arid Agriculture of Kurnool and Anantapuramu Districts of Rayalaseema. Later, it was shifted to the present campus at Mahanandi CattleFarm (M.C.Farm), Mahanandi on 9th February, 1996, as the Government of Andhra Pradesh transferred an area of 153.5 ha. of land of Live stock farm of the Department of Animal Husbandry to the Acharya N.G.Ranga Agricultural University along with the infrastructural facilities *viz.*, land, buildings, cattle sheds etc., through G.O.Ms. No. 962 dated 8/7/1992 of the Government of Andhra Pradesh, Food and Agricultural Department.

Intially the PG programme in the College was started in 2010, in the Departments of Agronomy, Genetics and Plant Breeding, Plant Pathology, Soil Science & Agricultural Chemistry. Later the PG programme was started in Agricultural Economics and Agricultural Extension also in 2012-13.

At present P.G. programme is being offered only in two departments *i.e.*, Agronomy and Genetics and Plant Breeding.

## 6.4.2.1& 6.4.3.1 Faculty Strength and Technical and Supporting staff (2013-14 to 2019-20)

| Designation | Strength Sanctioned:15+1 Redeployed: 08 | Strength in position | Vacancy | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|
| **Teaching staff** | | | | |
| Associate Dean | 1 | 1 | - | 1 |
| Professor(CAS) | 0 | 3 (CAS) | -- | 3 |
| Associate Professor | 8 | 7 (CAS) | -- | 8 |
| Assistant Professor | Sanctioned : 7<br>Re-deployed: 8 | 13 | - | 36 |
| **Total** | **23 + 1** | **23 + 1** | **-** | **48** |
| **Technical and Supporting staff** | | | | |
| Farmsuperintendent | - | - | - | 1 |
| Administrative Officer | 1 | 1 | - | 1 |
| Physical director | - | - | - | 1 |
| Superintendent | - | - | - | 1 |
| A.E.O | 2 | 2 | - | 4 |
| Sr. Asst. | 3 | 3 | 0 | 3 |
| JACT | 3 | 3 | 0 | 3 |
| Office subordinates | 6 | 6 | - | 5 |
| Others if any SLA | 1 | 1 | - | 1 |
| JLA | 1 | 1 | - | 1 |
| Drivers | 2 | 2 | - | 2 |
| Tractor Drivers | 1 | 1 | 0 | - |
| Record Asst | 4 | 4 | - | 4 |
| Agricultural Work man | 2 | 2 | 0 | 2 |
| Grounds man | 1 | 1 | - | 1 |
| Watch man | 4 | 4 | 0 | 2 |
| Cook | 1 | 1 | 0 | 1 |
| Sweeper | 1 | 0 | 1 | 1 |
| **Total** | **34** | **33** (9 posts are filled by out sourcing) | **1** | **34** |

### 6.4.4 Class rooms and Laboratories

Two well equipped classrooms are made available exclusively for the post graduate programme in the departments of Agronomy and Genetics and Plant breeding. These are well equipped with audiovisual equipment *viz*., LCD Projector, Computer, T.V. and UPS for effective teaching. All the major equipment required for Post graduate research and analysis are available at this college in the departments of Soil Science and Agricultural Chemistry (SSAC), Agronomy and Genetics and Plant Breeding. The department of Agronomy is utilizing the facilities of SSAC laboratory for nutrient and plant analysis. The college has very good farm facilities with 5.0 acres of land exclusively allocated for P.G. Research with in the college farm. In addition, central instrumentation laboratory was established under Institutional Development Plan.

#### 6.4.4.1 Class rooms available

| Class Room | Smart Class Room |
|---|---|
| Agronomy PG Lecture room | Smart Class Room |
| Genetics and Plant Breeding PG Lecture room | Smart Class Room |

#### 6.4.4.2 Number of laboratories available

No separate laboratories were available for Post Graduate programme. However, the UG laboratories were being used to meet the course curricula requirement of the PG programme.

| S.No | Department | No. of laboratories available for PG |
|---|---|---|
| 1 | Agronomy | 1 Laboratory / Practical hall |
| 2 | Genetics and Plant Breeding | 1 Laboratory / Practical hall |

#### 6.4.4.3 Average number of students in theory and practical classes

| S.No | Name of the Degree Programme | Students in Theory | Batch of students in practical |
|---|---|---|---|
| 1 | M.Sc. (Ag.) Agriculture | 5 | 5 |

The class rooms and laboratories are sufficient to meet the course curricula requirement of the P.G programme

### 6.4.4.4 College Farm

| S.No | Particulars | Area (ha) |
|---|---|---|
| 1. | Total area of the campus | 64.4 |
| 2. | Area of the college farm | 39.6 |
| a | Irrigated Land | 39.6 |
| b | Rainfed Land | Nil |
| 3. | Area under Buildings/ Roads/ Play Ground etc., | 24.8 |

### 6.4.4.5 Institutional area available

| S. No | Particulars | No. of units | Plinth Area (sq.ft) | Capacity if Applicable | Adequate (Yes/No) |
|---|---|---|---|---|---|
| 1 | Administrative office | 1 | 1800 | -- | Yes |
| 2 | Classrooms | 4 | 6400(1600×4) | -- | No |
| 3 | Laboratory | 9 | 14400(1600×9) | -- | No |
| 4 | Library | 1 | 3200 | -- | Yes |
| 5 | Examination Hall | 1 | 3200 | -- | Yes |
| 6 | New Instrumentation laboratory | 1 | 7000 | -- | Yes |
| 7 | Boys' hostels | 3 | 47500 | -- | Yes |
| 8 | Girls' hostels | 3 | 39500 | -- | Yes |
| 9 | Staff rooms | 26 | 7800(rooms of 150 $ft^2$ and 250 $ft^2$ and toilets) | -- | No |
| 10 | Associate Dean room and other corridor | 1+1 | 9000 | -- | Yes |

### 6.4.4.6 Farm Power, Machinary and Irrigation Facilities

There are 4 tractors (2 with 45 HP, One with 35 HP and the other mini tractor of 18 HP) and all the implements such as ploughs (both MB and Disc plough), rotavator, cultivators, blade and disc harrows, winnowing accessories, assembled accessories for water lifting and power spraying are available. There is also a seed processing unit (1ton capacity with Pneumatic seed grader) approved by the seed certification agency for processing of the seed generated in the college campus.

### 6.4.4.7 Irrigation facilities

The college farm is blessed with a natural water stream from Nallamalla forest hills *viz*., Paleru vagu.The stream will be flowing for almost 9 months in a year and provision is made for lift irrigation with 30 HP capacity motors (2 motors of 15 HP each) and the discharge can meet the water requirement of 8 ha of rice field. In addition the college farm also have water from Teluguganga Branch canal where in water is available during *Kharif* season and provide irrigation for 6 ha.There are 8 bore wells supported with power sources with a good yield of water being used for irrigation of ID crops, mango orchard and PG experimental plots and student demonstration plots.

#### 6.4.4.7.1 Irrigation infrastructure facilities

| S. No | Total cultivable land | Particulars |
|---|---|---|
| 1. | Irrigated land | 39.6 ha |
| 2. | Lift Irrigation | 33.06 ha(Paleru vagu and borewells) |
| 3. | No. of open wells | Nill |
| 4. | Area under open well irrigation | Nill |
| 5. | No. of bore wells | 8 |
| 6. | Any other | Telugu ganga branch canal 6.54 ha |

#### 6.4.4.7.2 Farm Pond

The college has four farm ponds having a dimension of 250 $m^3$ each aimed mainly for recharge of ground water and for supplemental irrigation.

### 6.4.5 Conduct of Practical and Hands-on-Training

The post graduate courses involve conducting practicals as per credits allotted to the specified courses and hands on training and field/lab practicals.

In Plant Breeding and Biotechnology course the technique of paper chromatography, Isolation of DNA and PCR, micro propagation is being demonstrated.

The students of agronomy department are conducting field experiments as per the approved technical programmes. The data on various growth attributes like plant LAI and dry matter will be taken and analysed as the procedure. Similarly data on yield attributes and economics are also worked out. The instruments used in agronomy research work include leaf area meter, hot air oven, electronic balance, grinding mills along with soil and plant analysis instruments for quantifying nutrient uptake.

### 6.4.6 Supervision of Students in PG/PhD programmes

The maximum number of students supervised as a member of the advisory committee including the chairman for each teacher at a given time is not more than 4 (including PG and Ph.D. research students). For PG students, one teacher of the Department will be the chairperson and one more teacher each from the same department and supporting department will be the members of the advisory committee.

This college do not have Ph.D. programme. Regular advisory classes and counselling meetings are being conducted to discuss regarding overall academic progress of postgraduate students and personality development.

### 6.4.7 Feedback of stakeholders (Students, parents, industries, employees, farmers, etc.,)

All the students who have completed Post Graduation from this campus are well settled in universities as staff members, officers in banks, Agricultural officers in the Department of Agriculture and the students expressed their satisfaction to pursue PG programme at Mahanandi due to good farm facilities to carryout the research trails, analysis and timely submission of the thesis etc.

This college is especially gives opportunities to the students for the career development in Agriculture sector. In the college premises suggestion and complaints boxes have been arranged to get elicit feed back from the students. This college has an excellent mechanism to establish very good rapport between students and teachers.

### 6.4.8 Student intake and attrition in the Programme for the last five years

| Degree | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | | 2019-20 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition | Intake | Attrition |
| M.Sc Agriculture | 3 | 0 | 4 | 0 | 7 | 0 | 7 | 5 | 7 | 2 |

### 6.4.9 ICT Applications in Curricula Delivery

Our College faculty are utilizing the ICT application for teaching and research guidence to the students. Since all the PG class rooms are provided with computers, projectors and internet facility most of the classes are being taken by power point presentations. The teachers also use internet facility to play video clippings of advanced technologies for better understanding of concepts to the students. Zoom platform was used for online teaching during COVID-19 Pandemic.

### 6.4.10 Faculty Strength for Post graduate programme (Agronomy and Genetics & Plant Breeding)

No separate staff were scanctioned for Post Graduate programme, however, the UG staff are also supporting the Post Graduate programme.

### 6.4.11 Certificate

I, Dr. G. Prabakara Reddy, the Associate Dean hereby certify that the information contained in the section 6.4.1 and 6.4.10 for PG programme is furnished as per the records available in the college and degree awarding university.

Signature of the Associate Dean of the College with Date & Seal

ASSOCIATE DEAN
Agricultural College, MAHANANDI

# AGRICULTURAL COLLEGE
## Rajamahendravaram

# SELF STUDY REPORT OF THE COLLEGE
## (for accreditation)

Acharya N.G. Ranga Agricultural University

Lam, Guntur – 533 034, Andhra Pradesh

### 6.5.1. College Administration

#### 6.5.1.1. College Dean's Office Establishment.

| *S.No* | *Item* | *Remarks* |
|---|---|---|
| 1 | Whether Dean post has been sanctioned by the appropriate authority as per ICAR Model Act/UGC guidelines? | Yes |
| 2 | Date of selection of Present Dean | 25.6.2020 |
| 3 | Mode of selection | Nomination |
| 4 | Tenure | 2 (Two) years (flexible) |

**Staff and infrastructure facilities available in the Dean's Secretariat:**

**a) Staff Position:**

**TEACHING**

| *S. No.* | *Sanctioned Faculty* | **Sanctioned Strength** | **In-position** |
|---|---|---|---|
| 1 | Professor including Associate Dean | 3 | 2 |
| 2 | Associate Professor | 5 | 5 |
| 3 | Assistant Professor | 28 | 19* |
| | **TOTAL** | **36** | **26** |

* Teaching Associates on contract basis.

**NON-TEACHING**

| **S. No.** | **Sanctioned Post / Category** | **Sanctioned Strength** | **In-position** |
|---|---|---|---|
| 1) | Administrative Officer | 01 | 01 |
| 2) | Superintendents / Asst. Account Officer / Asst. Academic Officer | 02 | 01 |
| 3) | Senior Assistants | 06 | 03 |
| 4) | Junior Assistants | 04 (OS*) | 02 |
| 5) | Lab Assistant / Rec. Asst. | 9 (1 + 8 OS*) | 09 |
| 6) | Field Assistants | 02 | 02 |
| 7) | Driver | 03 (2 + 1 OS*) | 03 |
| 8) | Store keeper (JACT) | 01 | 01 |
| 9) | Assistant Librarian | 01 (TA**) | 01 |

* OS: Outsourcing ** TA : Teaching Associate

**b) Infrastructure facilities available in the Dean's Secretariat:**

- A well equipped Dean's chamber cum meeting hall for regular meetings with faculty and ministerial staff
- CCTVs for regular monitoring of class rooms while running the class as well as while conducting the examinations.
- High end desktops with high speed broadband internet connectivity for routine office correspondence through mails.
- Advanced *wifi* enabled printers cum photo copiers.



**MOU on transfer of land of 21.93 acres from Central Tobacco Research Institute-ICAR to Agricultural College, Rajamahendravaram on 17.05.2016**



**Laying of foundation stone for construction of College and hostel buildings of Agricultural College, Rajamahendravaram on 26.11.2017 by Sri S.Chandramohana Reddy, Hon'ble Minister for Agriculture, Govt. of A.P.**



**Transfer of Endowment land of 58.13 acres at Nidigatla on lease To Agricultural College, Rajamahendravaram (ANGRAU) on 07.12.2017**

**6.5.1.2. Monitoring Mechanism for Quality Education (online):**

Yes. The college has Internal quality assurance system with senior most Professor as chairman and one Associate Professor and Assistant Professor as members of the cell under the overall supervision of Associate Dean for planning, guiding and monitoring quality assurance and quality enhancement activities of the Colleges.

Apart from this, Associate Dean will monitor through the following methods.

- Regularity in taking classes through CCTVs
- Attending the classes along with the students while teacher is taking the class so as to find out the teaching ability of the teacher and thereby improving the skills through capacity building programmes for the teachers.
- Regular review meetings with Heads of the Departments to know the punctuality of teachers in taking the classes and practicals.
- Conducting the Teacher Student council meeting to know the feedback from the students. The meeting will be attended by the council of members. Different issues will be discussed in the meeting as per the agenda and the issues will be resolved on priority basis.

**Impact of monitoring on the outcome of college with reference to**

**1. Students excelling in academics:**

For the benefit of students to excel in competitive exams like JRF and other exams, the JRF coaching cell was constituted during the reporting period. As a result, students could perform well in the JRF and other exams and secured good ranks for joining the PG programmes.

| *Year of Pass out* | *No.of students* | *No. of students passed* | *Pass out percent* | *students secured admission in PG Programme* | | | |
|---|---|---|---|---|---|---|---|
| | | | | *ANGRAU* | *JRF* | *Non JRF* | *Other SAUS* |
| 2015-16 | 45 | 40 | 88.8 | 7 | - | 3 | 7 |
| 2016-17 | 48 | 48 | 100.0 | 26 | - | 5 | 2 |
| 2017-18 | 44 | 40 | 90.9 | 13 | - | 3 | 1 |
| 2018-19 | 54 | 52 | 96.2 | 5 | 5 | 12 | 2 |
| 2019-20 | 57 | 47 | 82.4 | 4 | 2 | 10 | 3 |
| | | | **91.0** | **55** | **7** | **33** | **15** |

From the above table it is very evident that student pass out percentage was 91.0 during the report period. Similarly, seven students succeeded in JRF exam, 33 students joined for PG programmes under non JRF quota, 15 students joined in other SAUs and 55 students joined for PG programmes in ANGRAU. The success rate of students is mainly because of meticulous planning by the teachers in preparing the students to face the competitive exams.

**2. Students excelling in extracurricular activities.**

Two Physical Directors were engaged to give coaching for students in indoor as well as outdoor games. This helped the students to excel in the inter collegiate and inter university games and sports meet. The achievements of students during the report period are given hereunder.

**2015-16**

- Ms. D.R. Pravallika from II B.Sc. (Ag.) represented ANGRAU IN Kabadi, Discus throw and Shotput event in the 16th All India Inter Agricultural University meet held on 22nd to 26th February, 2016 at Coimbattore (TNAU), Tamilnadu.
- Ms. Alluri Anjani, ID No. KA/12-12, NSS volunteer attended the International Youth Festival cum Seminar organized by Shri Ram Chandra Mission during 23$^{rd}$ to 27$^{th}$ April 2016 at Kanha Shanti Vanam Ashram, Chegur village, Mahboobnagar, Telengana.
- Second prize in Basket ball during Intercollegiate games, sports, cultural and literary meet held at College of Agricultural Engineering, Madakasira.

- During the III phase, Intercollegiate games, sports, cultural and literary meet held at S.V. Agricultural College, Tirupati. The following students won the prizes as detailed below.

| | | | |
|---|---|---|---|
| 1. | P. Siddardha - Solo Signing | - | I Prize |
| 2. | Alluri Anjani - Essay writing (English) | - | III Prize |
| 3. | Ch. Gowthami - Classical dance | - | III Prize |
| 4. | D.R. Pravallika - Shotput & Discus through | - | I Prize |
| 5. | P. Navateja - Painting | - | II Prize |

**2016-17**

- The Students of Agricultural College, Rajamahendravaram (20 students) have participated in I phase of Intercollegiate Sports and Games meet 2016-17 held at the Agricultural College, Naira from 27.11.2016 to 30.11.2016. Mr. M. Vinod Kumar and Mr. Ch. Srikanth have won second prize in Caroms Competition.

- Student contingent of Agricultural College, Rajamahendravaram (20 students) have participated in II phase of Inter-collegiate sports & games meets 2016-17 held at Agricultural College, Bapatla from 10.11.2016 to 13.11.2016. Mr. A.G.H.C. Prasad won third prize in Shotput Competition.

- Student contingent of Agricultural College, Rajamahendravaram (30 students) have participated in III phase of Inter-collegiate sports & games meets 2016-17 held at S.V. Agricultural College, Tirupati from 17.12.2016 to 20.12.2016 as detailed below.

1. D.R. Pravallika – **First Prize in Shotput**, **On Spot Painting** and **Second Prize in Disc Throw.**
2. V. Venkateswara Rao – **First Prize in Telugu Essay Writing**
3. V.P. Sri Bala – **First Prize in Chess.**
4. Pratyush Kumar Das – **Second Prize in Solo singing.**
5. V.P. Sri Bala; A. Umamaheswari; G. Sindhu; D. Shiny Epslon; N. Chamundeswari; M. Srivalli own the **third prize in Mime.**

- Ms. D.R. Pravallika, III BSc (Ag) participated in ICAR-All India Agricultural Universities meet held at CCHAU, Haryana from 24.3.17 to 30.3.17

- Ms. D.R. Pravallika , III BSc (Ag) participated in All India Agri Yuth Festival held at Bikaner, Rajasthan

- Ms. D.R. Pravallika, Gayathri, Sri Bala, Chamundeswari et al and Venkata Rao participated at National NSS Sports meet at Adikavi Nannayya University, Rajamahendravaram.

**2017-18**

- Ms. V. Tejeswani (I Year), Mr. M. Satya Sivaram (IV year) and Mr.Vinod Kumar (IV year) students of Agricultural College, Rajamahendravaram participated in XVIII ICAR All India Inter Agricultural Universities meet at UAS, GKVK, Bangalore. Students attended the training camp and meet from26-1-2018 to 3-2-2018.

- Ms. D R Pravallika of IV B. Sc. (Ag.) student of Agricultural College, Rajamahendravaram participated in Agri- Unifest 2017-18 at S.V. Agricultural College, Tirupati. Student attended the training camp and Unifest from 06-02-2018 to 16-02-2018.

- Mr. V. Venkateswara Rao of IV B.Sc. (Ag.) participated in NSS National Youth Festival at S.V.V. University, Tirupati

**2018-19**

1) Mr. T. Kanna (KA/16-27) and Ms. J. Mounica (KA/18-40) students of Agricultural College, Rajamahendravaram were nominated by the University to participate in the 20th All India Inter Agricultural Universities Sports & Games meet 2019-20 held at S.V. Veterinary University, Tirupati from 1$^{st}$ to 5$^{th}$ March, 2020.

2) The students of Agricultural College, Rajamahendravaram (41 students – contingent team) along with teachers participated in Inter-collegiate Sports and Games meet at the SBVR Agricultural College, Badvel (First phase) and Agricultural College, Bapatla (Second phase) during 2019-20. The students secured prizes in the following events.

| ***S.No.*** | ***Name of the student*** | ***Event*** | ***Prize*** |
|---|---|---|---|
| 1. | P. Pavan Kumar | Chess | First |
| 2. | K. Rupa | Cartooning Making | First |
| 3. | T.H.V. Meghana | Folk Dance (Solo) | Second |
| 4. | G. Nikhita | Extempore (English) | Third |
| 5. | J. Mounica | Discuss throw | Third |

**6.5.1.3. CC/Board of Studies:**

Board of studies does not exist at the college level. However, Board of Faculty for Agriculture and Academic Council with all the Heads of the Departments as members under the chairmanship of Vice Chancellor, ANGRAU deliberate and decide on the academic matters at the University level. The Academic council meeting will be held at regular intervals (once in six months) at the University and the proceedings will be circulated to all council members.

**6.5.1.4. Anti Ragging Cell:**

Anti ragging committees were constituted during the period under report i.e, from 2015-16 to 2019-20 under the chairmanship of Associate Dean, Agricultural College with all the HoDs as members of the committee and OSA as convener of the Committee. As per the information available from the Anti ragging registers, in any of the years during reporting period, no student has reported about the experience of ragging on the campus. This could happen only due to strict vigilance and frequent visits by the anti ragging committees and also by strict monitoring by the anti ragging squads. Different anti ragging committees during the reporting period is given below.

**Anti ragging committees during the reporting period**

***2015-16***

- Dr. G.V. Nageswara Rao, Professor & Head(Pl. Pathology) - Chairman
- Dr. Ch. Ramesh Babu, Professor & Head (Ag. Extn.) - Member
- Dr. K. Madhavi, Professor & Head (Agronomy) - Member
- Dr. P. Sambasiva Rao, Professor & Head (Pl. Physiology) - Member
- Dr. D. Srinivas, Professor & Head(SS & AC) - Member
- Dr. S. Dayakar, Professor & Head (Entomology) - Member
- Dr. S.V. Bhavani Prasad, Assoc. Prof.& Head (Gen. & Pl. Br) - Member
- Dr. K. Kiran Prakash, Assoc. Professor & Head (STAM) - Member
- Dr. S. Hyma Jyothi, Asst. Professor & Head (Agril. Economics) - Member
- Dr. M.S.V. Chalam, Asst. Professor (Entomology) & OSA - Convener

**2016-17**

- Dr. K.V. Seetharamaiah, Professor & Head(GPBR) - Chairman
- Dr. R. Sekhar Babu, Professor & Head (Ag. Econ.) - Member
- Dr. G.V. Nageswara Rao, Professor & Head(Pl. Pathology) - Member
- Dr. Ch. Ramesh Babu, Professor & Head (Ag. Extn.) - Member
- Dr. K. Madhavi, Professor & Head (Agronomy) - Member
- Dr. D. Srinivas, Professor & Head(SS & AC) - Member
- Dr. S. Dayakar, Professor & Head (Entomology) - Member
- Sri S. Srinivasa Raju, Asst. Professor (Horticulture) & OSA - Convener

**2017-18**

- Dr. K.V. Seetharamaiah, Professor & Head(GPBR) - Chairman
- Dr. R. Sekhar Babu, Professor & Head (Ag. Econ.) - Member
- Dr. G.V. Nageswara Rao, Professor & Head(Pl. Pathology) - Member
- Dr. Ch. Ramesh Babu, Professor & Head (Ag. Extn.) - Member
- Dr. K. Madhavi, Professor & Head (Agronomy) - Member
- Dr. D. Srinivas, Professor & Head(SS & AC) - Member
- Dr. S. Dayakar, Professor & Head (Entomology) - Member
- Dr M.Ramabhadra Raju, Asst. Professor (Pl.Path) & OSA - Convener

**2018-19**

- Dr. K.V. Seetharamaiah, Professor & Head(GPBR) - Chairman
- Dr. R. Sekhar Babu, Professor & Head (Ag. Econ.) - Member
- Dr. G.V. Nageswara Rao, Professor & Head(Pl. Pathology) - Member
- Dr. Ch. Ramesh Babu, Professor & Head (Ag. Extn.) - Member
- Dr. K. Madhavi, Professor & Head (Agronomy) - Member
- Dr. D. Srinivas, Professor & Head(SS & AC) - Member
- Dr. S. Dayakar, Professor & Head (Entomology) - Member
- Sri S. Srinivasa Raju, Asst. Professor (Horticulture) & OSA - Convener

**2019-20**

- Dr. R. Sekhar Babu, Professor & Head (Ag. Econ.) - Chairman
- Dr. S. Dayakar, Professor & Head (Entomology) & OSA - Convener
- Dr. D. Srinivas, Professor & Head (SS & AC) - Member
- Dr. S. Krishnam Raju, Professor & Head (Pl. Path.) - Member
- Dr. Ch. Syam Raj Naik, Professor & Head (Crop Phy.) - Member

**6.5.1.5 Biological waste disposal facility:**

| | |
|---|---|
| Whether wastes (chemical, biological, radioactive, universal, and recyclable) are generated by a variety of research, clinical, service, maintenance, and cleaning operations at the College level? If yes, then mention the disposal mechanism being adopted as per the government guidelines. | Yes. Not much of hazardous chemical or biological wastes are generated out of the practical work in laboratories of the college. Hazardous chemicals from laboratories after practical classes are disposed as per standard protocols. Cultures of microorganisms are disposed only after sterilization of the vessels in which microbes are grown. |

**6.5.1.6 Institutional Ethics committee for Experiment on Animals:**

No experiments are taken up on animals in Agricultural College, Rajamahendravaram.

**6.5.1.7 Committee for prevention of Sexual Harassment of Women at work places:**

As per the University Memo no.3391/SAS/2016 dt.9.6.2016 of the Registrar, ANGRAU, the following committee was constituted for prevention of sexual harassment of women at work place.

**2016-17 to 2018-19**

1. Dr. K.Madhavi, Prof., Dept. of Agronomy - Chairperson
2. Dr. B. Spandana, Asst.Prof., Dept.of PMB & BT - Member
3. Smt.Shaik Manjula Bee Bee, Sr.Asst. - Member

**2019-20**

1. Dr. K.Madhavi, Prof., Dept. of Agronomy - Chairperson
2. Dr.S.Hyma Jyothi, Asst. Prof., Dept.of Agril. Econ. - Member
3. Smt S.Umadevi, Administrative Officer. - Member

On an average (last five years), total number of about 45 employees; 33 men and 12 women (teaching, non teaching including out sourcing employees) are working in the college. Friendly and good working atmosphere is prevailing on the campus and therefore. No untoward incident took place; no incidence of harassment has been reported to the committee constituted for the purpose.

### 6.5.2. Faculty

### 6.5.2.1. Faculty strength

**TEACHING**

| Sl. No. | Name of the Department | Name of the Post | Number of Sanctioned Posts | Staff in Position | Number of Vacant Posts | Name of the Professor / Associate Professor / Assistant Professor | Remarks |
|---|---|---|---|---|---|---|---|
| [1] | [2] | [3] | [4] | [5] | [7] | [8] | [9] |
| 1 | **Agronomy** | Professor | 1 | 1* | - | | *Dr.J.Krishna PrasadJi, Professor and Head (Plant Pathology) salary was drawn from this post |
| | | Associate Professor | 2 | 2 | - | Dr. P. Muniratnam, Professor (CAS) & HOD | |
| | | | | | | Dr. P. Ammaji, Associate Professor (CAS) | |
| | | Assistant Professor | 2 | 2 | - | Dr. K. Madhavi, Professor (CAS) | |
| | | | | | | Dr. K.M. Dakshinamurthy, Associate Professor (CAS) | |
| 2 | **Genetics & Plant Breeding** | Professor | 1 | - | 1 | | |
| | | Associate Professor | 2 | - | 2 | | |
| | | Assistant Professor | 2 | 1 | 1 | Dr.S.V.Bhavani Prasad Professor (CAS) and Head | |
| 3 | **Soil Science and Agricultural Chemistry** | Associate Professor | 1 | 1 | - | Dr. D. Srinivas, Professor (CAS) & HOD | |
| | | Assistant Professor | 2 | 1* | 1 | Dr.Ch.Sreenivas Professor (SS&AC) | *On Lien to IRRI. |

| Sl. No. | Name of the Department | Name of the Post | Number of Sanctioned Posts | Staff in Position | Number of Vacant Posts | Name of the Professor / Associate Professor / Assistant Professor | Remarks |
|---|---|---|---|---|---|---|---|
| 4 | **Entomology** | Associate Professor | 1 | 1 | - | Dr. S. Dayakar, Professor (CAS) & HOD | |
| | | Assistant Professor | 2 | 1 | 1 | Dr.Ch.V.Narasimha Rao, Professor (CAS) | |
| 5 | **Crop Physiology** | Assistant Professor | 1 | 1 | - | Dr.Ch.SyamrajNaik Professor and Head | |
| 6 | **Plant Pathology** | Associate Professor | 1 | 1 | - | Dr. S. Krishnam Raju, Professor (CAS) | |
| | | Assistant Professor | 2 | 1 | 1 | Dr.M.Rama Badra Raju, Associate Professor | |
| 7 | **Agricultural Economics** | Associate Professor | 2 | 1 | 1 | | Salary of Dr.M.Vijay Sankar Babu, Professor (CAS) in Soil Science was drawn from this post |
| | | Assistant Professor | 1 | 1 | - | Dr. S. Hyma Jyothi, Assistant Professor | |
| 8 | **Agricultural Extension** | Associate Professor | 1 | - | 1 | | |
| | | Assistant Professor | 1 | 1 | - | Dr. P.L.R.J. Praveena, Professor | |
| 9 | **Agricultural Engineering** | Associate Professor | 1 | - | 1 | | |
| | | Assistant Professor | 2 | 1 | 1 | Er. D. Sai Gangadhara Rao, Assistant Professor | |
| 10 | **Horticulture** | Assistant Professor | 2 | 1 | - | Dr.K.Ravi Kumar Assistant Professor | |
| | | | | 1* | | Sri S.Srinivasa Raju Asst. Professor | *On study leave to prosecute Ph.D. at Dr YSRHU, VRGudem. |
| 11 | **Statistics and Computer Applications** | Assistant Professor | 1 | 1 | - | Dr. G. Ramesh, Assistant Professor | |
| 12 | **Biochemistry** | Assistant Professor | 1 | | 1 | | @Engaged Teaching Associate (Biochemistry) |
| 13 | **Microbiology** | Assistant Professor | 1 | 1* | - | Smt. Bh. Sarvani, Assistant Professor | *On study leave to prosecute Ph.D. at UAS, Bangalore |
| 14 | **Ag. Molecular Biology & Bio-Tech** | Assistant Professor | 1 | 1 | - | Dr. B. Spandana, Assistant Professor | |
| 15 | **Ag. Business Management** | Assistant Professor | 1 | - | 1 | | @Engaged Teaching Associate (LSPM) on contract basis |
| | | | **35** | **22** | **13** | | |

**@** Additionally Two Teaching Associates are engaged to complete curriculum in respect of LSPM (LSPM 201) and Biochemistry (BICM 101 and BICM 300) courses and two teachers on contract basis to teach English (ENGL 101) and PT (COCA 100 and COCA 200) courses

**NON-TEACHING**

| ***S. No.*** | ***Sanctioned Staff*** | ***Sanctioned position*** | ***Staff in position*** | ***Name of the staff*** | ***Vacant position*** | ***Staff recommended bythe ICAR/UGC/VCI/ other regulatory bodies*** |
|---|---|---|---|---|---|---|
| 1 | Assoc. Dean | 1 | 1 | Dr.G.Subba Rao | - | 1 (as Dean) |
| 2 | PA to Associate Dean | - | - | | - | 1 |
| 3 | Admin officer | 1 | 1 | KANR Manikya Devi | - | |
| 4 | Asst Accounts Officer | 1 | 1 (Off Supdt) | BVV Satyanarayana | - | 1 |
| 5 | Asst Academic Officer | 1 | 1 (Off Supdt) | | 1 | 1 |
| 6 | Sr Assistants | 6 | 3 | 1.K.Karuna Kumari<br>2. E.Prasanna Kumar Desai<br>3.K.Prasad | 3 | 3 (as Assistants) |
| 7 | Jr Assistant | 4 | 2 (OS) | 1.GNV Anjan Kumar<br>2.K.Satyanarayana. | 2 (OS) | 11 (as Assistants) |
| 8 | Lab Assistants | 9 | 1 + 8 (OS) | 1. K.Nageswara Rao<br>2. K. Pavan Kumar<br>3. S.V.Ramana<br>4. M.V.V.Satyanarayana<br>5. K. Chakradhar<br>6. B. Veerraju<br>7. M.Jayalakshmi<br>8. P.Ramadevi<br>9. M.Leeladevi | - | 19 |
| 9 | Field Assistants | 2 | 2 (AEO) | 1.K.Baburao Dora<br>2.B.Rambabu | - | 13 |
| 10 | Farm Manager | - | - | Dr.P.Ammaji Assoc.Professor | - | 1 |
| 11 | Driver | 3 | 2+ 1 (OS) | 1.L.Manikanta<br>2.V.Srinivas<br>3.M.Pavan Kumar | - | 1 |
| 12 | Store Keeper | 1 | 1 (JACT) | P.Ramakrishna Rao | - | 1 |
| 13 | Instrumentation Engineer | - | - | | - | 1 |

| *S. No.* | *Sanctioned Staff* | *Sanctioned position* | *Staff in position* | *Name of the staff* | *Vacant position* | *Staff recommended bythe ICAR/UGC/VCI/ other regulatory bodies* |
|---|---|---|---|---|---|---|
| 14 | Instrumentation Technician | - | - | | - | 1 |
| 15 | Asst Librarian | 1 | 1 (TA) | K.Annapurna | - | 1 |
| 16 | Shelf Astt | 1 | 1 | V.Chandrasekhar | - | 1 |
| 17 | PhyEduAsst Prof | | - | | - | 1 |
| 18 | PhyEdu Attendant | | - | | - | 1 |
| 19 | Wardens | | Regular faculty | 1.Dr.S.Krishnamraju Warden, Boys hostel 2.Dr.S.Hymajyothi Warden, Girls hostel | - | 2 |
| 20 | Care Taker | | - | | - | 2 |
| 21 | Jr Engineer | | Eng div of Univ in RJY | | - | 1 |
| 22 | Security Asst | | Security Engaged on OS | | - | 1 |

**6.5.2.2. Faculty profile and 6.5.2.3 Credentials of the faculty**

**A) Major courses taught irrespective of number of semester taught along with Course No & Titles**

i. **Genetics and Plant Breeding Department**

| *S.No* | *Name of faculty* | *Highest degree* | *Area of specialization & Professional licensure (ANGRAU)* |
|---|---|---|---|
| 1. | Dr.S.V. Bhavani Prasad<br>Professor and Head<br>(Genetics and Plant Breeding) | Ph.D. | Genetics & Plant Breeding |
| 2. | Dr.B. Spandana<br>Assistant Professor<br>(Mol. Biology and Biotechnology) | Ph.D. | Agricultural Biotechnology |

| S.No | Course No | Title of the course | Semester | Credit Hours |
|---|---|---|---|---|
| 1. | GPBR-211 | Fundamentals of Plant Breeding | I | 3 (2+1) |
| 2. | GPBR-311 | Crop Improvement - I | I | 2 (1+1) |
| 3. | GPBR-312 | Crop Improvement - II | II | 2 (1+1) |
| 4. | GPBR-313 | Intellectual Property Rights | I | 1(1+0) |
| 5. | GPBR-314 | Principles of Seed Technology | II | 3 (2+1) |
| 6. | GPBR-315 | Commercial Plant Breeding | II | 3(1+2) |
| 7. | GPBR-111 | Fundamentals of Genetics | II | 3(2+1) |

ii. **Agronomy**

| *S.No* | *Name of faculty* | *Highest degree* | *Area of specialization & Professional licensure (ANGRAU)* |
|---|---|---|---|
| 1. | Dr.P.Munirathnam<br>Professor and Head (Agronomy) | Ph.D. | Small millets, cotton, chickpea and tobacco Agronomy and Dryland Agriculture |
| 2. | Dr.K.Madhavi<br>Professor (Agronomy) | Ph.D. | Fertiliser management |
| 3. | Dr.K.M.Dakshinamurthy<br>Associate Professor (Agronomy) | Ph.D. | Climate risk management, crop modeling, Irrigation Agronomy |
| 4. | Dr.P.Ammaji<br>Assistant Professor (Agronomy) | Ph.D. | Cropping systems research |

| S.No | Course No | Title of the course | Semester | Credit Hours |
|---|---|---|---|---|
| 1. | AGRO101 | Agricultural Heritage | I | 1 (1+0) |
| 2. | AGRO-102 | Fundamentals of Agronomy | I | 3 (2+1) |
| 3. | AGRO-103 | Introduction to Agrometorology and Climate Change | II | 2 (1+1) |
| 4. | AGRO-104 | Introduction to forestry | II | 2 (1 +1) |
| **S.No** | **Course No** | **Title of the course** | **Semester** | **Credit Hours** |
| 5. | AGRO-201 | Crop Production Technology-I(Cereals, Millets and Pulses) | II | 3 (2+1) |
| 6. | AGRO-202 | Crop Production Technology-II (Oilseeds, Fibre, Sugar, Tobacco and Fibre crops) | II | 3 (2+1) |
| 7. | AGRO-203 | Farming systems and sustainable Agriculture | II | 1 (1+0) |
| 8. | AGRO-204 | Irrigation water management | II | 2 (1+1) |
| 9. | AGRO-301 | Geoinformatics and Nanotechnology and Precision farming | I | 2 (1+1) |
| 10. | AGRO-302 | Practical Crop Production | I | 1 (0+1) |
| 11. | AGRO -303 | Rainfed Agriculture and Watershed Management | II | 2 (1+1) |
| 12. | AGRO-304 | Principles of Organic farming | II | 2 (1+1) |

iii. **Soil Science and Agricultural Chemistry**

| ***S.No*** | ***Name of faculty*** | ***Highest degree*** | ***Area of specialization & Professional licensure (ANGRAU)*** |
|---|---|---|---|
| 1. | Dr.D.Srinivas<br>Professor and Head (SS&AC) | Ph.D. | Soil Biology, Soil Chemistry and Soil Fertility |
| 2. | Dr. M. Vijayasankar Babu<br>Professor (SS & AC) | Ph.D. | Soil Science & Agril.Chemistry |
| 3. | Dr.Ch.Sreenivas,<br>Professor (SS&AC) | Ph.D. | Soil Fertility and Nutrient management |
| 4. | Dr.K.Kiranmai,<br>Teaching Associate (Biochemistry) | Ph.D. | Food Biochemistry |

| **S.No** | **Course No** | **Title of the course** | **Semester** | **Credit Hours** |
|---|---|---|---|---|
| 1. | SSAC-121 | Fundamentals of Soil | I | 3 (2+1) |
| 2. | SSAC-221 | Manures, fertilizers and Soil fertility Management | II | 3 (2+1) |
| 3. | SSAC-321 | Problematic soils and their management (New syallabus) | I | 2 (1+1) |
| 4. | ELCT-222 | Soil, water, plant and seed testing | II | 3 (2+1) |
| **Biochemistry** | | | | |
| 1. | BICM-100 | Fundamentals of Biochemistry and biotechnology | I | 3 (2+1) |
| 2. | BICM-101 | Principles of Human Nutrition | I | 2 (2+0) |

**iv. Entomology**

| ***S.No*** | ***Name of faculty*** | ***Highest degree*** | ***Area of specialization & Professional licensure (ANGRAU)*** |
|---|---|---|---|
| 1. | Dr.S.Dayakar<br>Professor and Head (Entomology) | Ph.D. | Integrated Pest Management and Microbial management of insect pests with special reference to Entomopathogenic Fungi. |
| 2. | Dr.Ch.V.Narasimha Rao,<br>Professor (Entomology) | Ph.D. | Sugarcane Entomology, Biological Control, Rodentology |

| **S.No.** | **Course No.** | **Title** | **Semester** | **Credit hrs** |
|---|---|---|---|---|
| 1. | ENTO-131 | Fundamentals of Entomology I (Insect Morphology & Taxonomy) | II | 3 (2+1) |
| 2. | ENTO-231 | Fundamentals of Entomology II ( Insect Ecology & Concepts of IPM) | I | 2 (1+1) |
| 3. | ENTO-331 | Pests of Field Crops, Stored grains and their management | I | 3(2+1) |
| 4. | ENTO-332 | Pests of horticultural crops and their management and beneficial insects | II | 3(2+1) |

| | | | | |
|---|---|---|---|---|
| 5. | ELCT-334 | Agrochemicals | II | 3(2+1) |
| 6. | ELCT-333 | Biopesticides and Biofertilisers | I | 3(2+1) |

**v. Agricultural Economics**

| ***S.No*** | ***Name of faculty*** | ***Highest degree*** | ***Area of specialization & Professional licensure (ANGRAU)*** |
|---|---|---|---|
| 1. | Dr.S.Hyma Jyothi<br>Associate Professor and Head (Agril.Economics) | Ph.D. | Agricultural Economics |

| **S.No.** | **Course No.** | **Title** | **Semester** | **Credit hrs** |
|---|---|---|---|---|
| 1. | AECO-141 | Fundamentals of Economics | I | 3(3+0) |
| 2. | AECO-241 | Agricultural Finance & Cooperation | I | 2 (1+1) |
| 3. | AECO-242 | Agricultural Marketing, Trade & Prices | II | 3 (2+1) |
| 4. | AECO-341 | Farm management, production and resource economics | II | 2 (1+1) |
| 5. | ELCT-342 | Agribusiness Management | I | 2 (1+1) |

**vi. Agricultural Engineering**

| ***S.No*** | ***Name of faculty*** | ***Highest degree*** | ***Area of specialization & Professional licensure (ANGRAU)*** |
|---|---|---|---|
| 1. | Er.D.Sai Gangadhara Rao<br>Assistant Professor and Head (Agril.Engineering) | M.Tech. | Soil and Water Engineering |

| **S.No.** | **Course No** | **Title of the course** | **Semester** | **Credit Hours** |
|---|---|---|---|---|
| 1. | AENG 151 | Soil and Water Conservation Engineering | II | 2 (1+1) |
| 2. | AENG-251 | Farm Machinery and Power | I | 2 (1+1) |
| 3. | AENG-252 | Renewable Energy and Green Technology | II | 2 (1+1) |
| 4. | AENG- 351 | Protected Cultivation and Post-harvest technologies | I | 2 (1+1) |

**vii. Crop Physiology**

| ***S.No*** | ***Name of faculty*** | ***Highest degree*** | ***Area of specialization & Professional licensure (ANGRAU)*** |
|---|---|---|---|
| 1. | Dr.Ch.Syamraj Naik<br>Professor and Head<br>(Crop Physiology) | Ph.D. | Crop Physiology |

| S.No | Course No | Title of the course | Semester | Credit Hours |
|---|---|---|---|---|
| 1. | CPHY- 162 | Fundamentals of Crop Physiology | II | 3 (2+1) |
| 2. | CPHY - 261 | Eco-physiology | I | 2 (1+1) |
| 3. | CPHY-361 | Environmental Studies and Disaster Management | I | 2 (1+1) |

viii. **Plant Pathology**

| ***S.No*** | ***Name of faculty*** | ***Highest degree*** | ***Area of specialization & Professional licensure (ANGRAU)*** |
|---|---|---|---|
| 1. | Dr.J. Krishna PrasadJi<br>Professor and Head<br>(Plant Pathology) | Ph.D. | Plant Pathology (Disease Resistance and Pathosystem approach to disease management) |
| 2. | Dr.S.Krishnam Raju,<br>Professor (Plant Pathology) | Ph.D. | Rice Pathology & Biotechnology |
| 3. | Dr.M.Ramabhadra Raju,<br>Professor (Plant Pathology) | Ph.D. | Integrated Disease Management |

| S.No | Course No | Title of the course | Semester | Credit Hours |
|---|---|---|---|---|
| 1. | PATH -171 | Fundamentals of Plant Pathology I (Plant Pathogens-An Introduction) | II | 3 (2+1) |
| 2. | PATH- 271 | Fundamentals of Plant Pathology II (Plant Pathology Principles) | I | 2 (1+1) |
| **S.No** | **Course No** | **Title of the course** | **Semester** | **Credit Hours** |
| 3. | PATH 371 | Diseases of field and horticultural crops and their management I (Field crops) | I | 3 (2+1) |
| 4. | PATH 372 | Diseases of field and horticultural crops and their management II (Horticultural crops) | II | 3 (2+1) |
| 5. | PATH 373 | Principles of Integrated Pest and Disease management | I | 2 (1+1) |
| 6. | ELCT 272 | Food Safety Issues | II | 3 (2+1) |
| **Agricultural Microbiology** | | | | |
| 1 | AMBE 101 | Agricultural Microbiology | I | 2 (1+1) |

**ix. Horticulture**

| ***S.No*** | ***Name of faculty*** | ***Highest degree*** | ***Area of specialization & Professional licensure (ANGRAU)*** |
|---|---|---|---|
| 1 | Dr.K.Ravi Kumar<br>Assistant Professor | Ph.D. | Fruit Science |

| S.No | Course No | Title of the course | Semester | Credit Hours |
|---|---|---|---|---|
| 1. | HORT-181 | Fundamentals of Horticulture | I | 2 (1+1) |
| 2. | HORT-281 | Production Technology for Vegetables and Spices | I | 2 (1+1) |

| | | | | |
|---|---|---|---|---|
| 3. | HORT-282 | Production Technology for Ornamental Crops, Medicinal & Aromatic Plants and Landscaping | II | 2 (1+1) |
| 4. | HORT -381 | Post-harvest Management and Value addition of Fruits and Vegetables | II | 2 (1+1) |

**x. Agricultural Extension**

| ***S.No*** | ***Name of faculty*** | ***Highest degree*** | ***Area of specialization & Professional licensure (ANGRAU)*** |
|---|---|---|---|
| 1 | Dr.P.L.R.J. Praveena<br>Professor and Head<br>(Agricultural Extension) | Ph.D. | Training and Communication |

| **S.No** | **Course No** | **Title of the course** | **Semester** | **Credit Hours** |
|---|---|---|---|---|
| 1. | AEXT-190 | Human Values & Ethics (non-gradial) | I | 1 (0+1) |
| 2. | AEXT-191 | Rural Sociology and Educational Psychology | I | 2 (1+1) |
| 3. | AEXT-291 | Fundamentals of Agricultural Extension | I | 3 (2+1) |
| 4. | AEXT-292 | Entrepreneurship Development and Business Communication | II | 2 (1+1) |
| 5 | AEXT-391 | Communication Skills and Personality Development | II | 2 (1+1) |

**xi. Statistics and Computer Applications**

| ***S.No*** | ***Name of faculty*** | ***Highest degree*** | ***Area of specialization & Professional licensure (ANGRAU)*** |
|---|---|---|---|
| 1 | Dr.G.Ramesh<br>Asst. Professor and Head (SMCA) | Ph.D. | Statistics |

| S.No | Course No | Title of the course | Semester | Credit Hours |
|---|---|---|---|---|
| 1. | SMCA -101 | Elementary Mathematics | I | 2 (1+1) |
| 2. | SMCA -201 | Statistical Methods | II | 2 (1+1) |
| 3. | SMCA -301 | Agriculture Informatics | II | 2 (1+1) |

**xii. Animal Production / English / Physical Education – Part time teachers**

| **S.No.** | **Course No** | **Title of the course** | **Semester** | **Credit Hours** |
|---|---|---|---|---|
| | **ANIMAL PRODUCTION** | | | |
| 1. | LSPM- 201 | Livestock and Poultry Management | II | 2 (1+1) |
| | **ENGLISH** | | | |
| 2. | ENGL- 101 | Comprehension & Communication Skills in English | I | 2 (1+1) |
| | **PHYSICAL EDUCATION** | | | |
| 3. | COCA- 100 | NSS/NCC/Physical Education & Yoga Practices | I | 2 (0+2) |
| 4. | COCA- 200 | Educational Tour | I | 2 (0+2) |

**B) Number of publications along with citations as per ANGRAU thesis guidelines and mention the NAAS rating / Impact factor** (*Please follow the model given below*)

**1. INTERNATIONAL**

**A) Dr. Ch.V. Narasimha Rao, Professor (Entomology)**

1) Anusha B, **Narasimha Rao Ch. V.**, Srinivasa Rao N and Satyanarayana P.V. 2015. Bromadiolone poison baiting and burrow smoking – An effective module for the management of rodents in irrigated rice. *In International Rice Symposium* organised by IIRR, Hyderabad on November 18 -20$^{th}$ 2015. pp: 141

2) Sudharani D, **Narasimha Rao Ch. V**., Suryanarayana Y. and Bharathalakshmi M. 2015. Studies on Efficacy of bait carriers in enhancing bait preferences among by the Lesser bandicoot, *Bandicotabengalensis*. *European Journal of Biomedical and Pharmaceutical Sciences*. **2 (3)**: 308-315.

**B) Dr. S. Krishnam Raju, Professor (Plant Pathology)**

1. K. Aruna Kumari, C.V. Durga Rani, V. Satturu, **Krishnam Raju Sarikonda**, P D R Chittoor, B. Vutukuri, G.S.Laha, A P K Nelli, S. Gattu, M. Jamal, A. Prasad Babu, S. Hajira and R M Sundaram 2016. Marker-Assisted pyramiding of genes conferring resistance against bacterial blight and blast diseases into Indian rice variety MTU 1010. Rice Science 23 (6): 306-316 **(Impact Factor: 3.162).**

2. KLY Tejaswini, BVNSR Ravi Kumar, Lal Ahmed Mohammad and **S. Krishnam Raju** M. Srinivas and P.V. Ramana Rao 2016. Study of genetic parameters in F5 families of rice (*Oryzasativa* L.). International Journal of Environment, Agriculture and Biotechnology 1(4): 734-738 **(Impact Factor 3.118).**

3. KLY Tejaswini, BVNSR Ravi Kumar, Lal Ahmed Mohammad and **S. Krishnam Raju** Manukonda Srinivas andP.V. Ramana Rao 2017. Genetic variability, heritability, genetic advance and correlation studies of $F_5$ families in rice (*Oryzasativa* L.). International Journal of Agricultural Science and Research 7(1): 75-82 **(Impact Factor 7.90)**

4. Hari Ram Kumar Bandi, P.V.Satyanarayana, D. Ratna Babu, N. Chamundeswari, V. Srinivasa Rao and **S. Krishnam Raju** 2018. Genetic variability estimates for yield and yield components traits and quality traits in rice (*Oryzasativa* L.). International Journal of Current Microbiology 7(5): 551-559 **(NAAS rating 5.38).**

5. Gattu Swathi, Ch.V.Durga Rani, Jamaloddin Md, M.Seshu Madhav, S. Vanisree, Ch. Anuradha, N. Ranjit kumar, N. Arun Prem Kumar, K. Aruna kumara, Sri Chandana bhogadhi, E. Ramprasad, P. Sravanthi, **S.Krishnam Raju**, V. Bhuvaneswari, C.P.D. Rajan, R. Jagadeeswar 2019. Marker assisted introgression of the major bacterial blight resistance genes, Xa21 and xa13 and blast resistance gene, Pi54 into the popular rice variety, JGL 1798. Molecular Breeding 38: 58 **(NAAS rating 7.16).**

6. D. Sudha Rani, Ch. Chiranjeevi, T. Madhumathi, **S. Krishnam Raju** and Sk. Najeez Umar 2020. Biochemical analysis for rice germplasm lines for combat against yellow stem borer, *Scirpophagaincertulas*: Implication for varietal selection of rice in India. International Research Journal of Pure & Applied Chemisry 21(7): 41-51 **(NAAS rating 5.40)**

7. D. Sudha Rani, Ch. Chiranjeevi, T. Madhumathi, **S. Krishnam Raju** and Sk. Najeez Umar 2020. Identification of rice genotypes for resistance against yellow stem borer in irrigated rice. International Journal of Current Microbiology and Applied Sciences 9(5): 1627-1643 **(Impact factor 0.16).**

8. Md. Jamaloddin, Ch.V. Durga Rani, G. Swathi, Ch. Anuradha, S. Vanisri, C.P.D. Rajan, **S. Krishnam Raju,** V. Bhuvaneswari, R. Jagadeeswar, G.S. Laha, M.S. Prasad, P.V. Satyanarayana, C. Cheralu, G. Rajani, E. Ramprasad, P. Sravanthi, N. Arun Prem Kumar, K. Aruna Kumari, K.N. Yamini, D. Mahesh, D. Sanjeev Rao, R.M. Sundaram and M. Seshu Madhav 2020. Marker assisted Gene Pyramiding (MAGP) for bacterial blight and blast resistance into mega rice variety "Tellahamsa". PLOS ONE 15(6): 1-19 **(Impact Factor 2.74)**

**C) Dr. K.M. Dakshina Murthy, Associate Professor (Agronomy)**

1) Sridhar Gummadi, K. P. C. Rao, JemalSeid, Gizachew Legesse, **M. D. M. Kadiyala**, Robel Takele, TilahunAmede and Anthony Whitbread. 2017. Spatio-temporal variability and trends of precipitation and extreme rainfall events in Ethiopia in 1980–2010. TheorApplClimatol: 134, pages1315–1328. (8.72/2.882)

2) Piara Singh, K.J. Boote, **M.D.M. Kadiyala**, S. Nedumaran, S.K. Gupta, K. Srinivas, and M.C.S. Bantilan. 2017. An assessment of yield gains under climate change due to genetic modification of pearl millet. Science of the Total Environment 601–602 (2017) 1226–1237. (11.59/6.551)

3) U.B. Nidumolu, M. Lubbers, A. Kanellopoulos, M van Ittersum, **D.M. Kadiyala,** G. Sreenivas. 2016**.** Engaging farmers on climate risk through targeted integration of bio- economic modelling and seasonal climate forecasts. Agricultural Systems 149 (2016) 175–184 (10.13/4.212)

4) **M.D.M. Kadiyalaa,** Kumara Charyulu D , Nedumaran S , Moses Shyam D , Murali G, and MCS Bantilan. 2016. Agronomic management options for enhancing chickpea yields under climate change. J. Agrometeorology. 18 (1): 41-47 (June 2016). (6.64/0.269)

5) **M.D.M. Kadiyala**, James. W. Jones, R.S. Mylavarapu3, Y.C. Li, M.D. Reddy and M. Umadevi. 2015. Study of spatial water requirements of rice under various crop establishment methods using GIS and crop models. Journal of Agrometeorology 17 (1): 1-10 (6.64/0.269)

6) **M.D.M. Kadiyala**, S. Nedumaran, Piara Singh, Chukka S., Mohammad A. Irshad, M.C.S. Bantilan.2015. An integrated crop model and GIS decision support system for assisting agronomic decision making under climate change. Science of the Total Environ. 521:123-134. (11.59/6.551)

7) U.B Nidumolu, Pt Hayman, Z. Hochman, H Horan, D.R. Reddy, G. Sreenivas, **D. M. Kadiyala.** 2015. Assessing climate risks in rainfed farming using farmer experience, crop calendars and climate analysis. The Journal of Agric. Sci. 1-14. (impact factor 1.082)

8) **M. D. M. Kadiyala**, R. S. Mylavarapu, Y. C. Li, G. B. Reddy, K.R. Reddy and M. D. Reddy. 2015. Uptake Efficiency and Loss of 15N-Urea in flooded and aerobic rice fields under Semi-arid Conditions. Paddy and Water Environ. 1-12. (7.26/1.262)

9) **M. D. M. Kadiyala**, James. W. Jones, R. S. Mylavarapu, Y. C. Li, and M. D. Reddy. 2015. Identifying irrigation and nitrogen best management practices for aerobic rice–maize cropping system for semi-arid tropics using CERES-rice and maize models. Agric. Water Manage. : 149: 23-32 (9.54/ 4.021)

**D) Dr. P.L.R.J.Praveena, Professor & Head (Agricultural Extension)**

1) C.Lakshmi Devi, **P.L.R.J.Praveena**, T.Lakshmi and A.V.Nagavani 2019. Profile characteristics of women agripreneurs in Kadapa district of Andhra Pradesh. *International Journal of Microbiology and Applied Sciences* 8(7):924-932 (NASS rating-5.38)

2) K.Kalyan Babu, **P.L.R.J. Praveena**, V.Sailaja, V.Chandrika 2020. Construction of knowledge test to measure the level of knowledge of farmers on climate resilienttechnologies. *International Journal of Current Microbiology and Applied Sciences* 9(4):2311-2319 (NASS rating-5.38)

3) C.Lakshmi Devi, **P.L.R.J. Praveena**, T.Lakshmi Devi, A.V.Nagavani2020.Study on the involvementof women in agripreneurialactivities in Kadapa District of Andhra Pradesh. *Research Journal of Agricultural Sciences* 11(2): 402-406 (4.54).

4) Mubeena, T.Lakshmi Devi, **P.L.R.J. Praveena**, A.V.Nagavaniand B.Ramana Murthy 2020. Construction of attitude scale for attracting rural youth towards agri-enterprises. *International Journal of Current Microbiology and Applied Sciences* 9(6):3106-3111(NASS rating-5.38)

**E) Dr. B. Spandana, Assistant Professor (Molecular Biology & Biotechnology)**

1. **Spandana, B.,** Prakash,VDSRS and Nagalakshmi, S2017. Bioinformatic Characterization of Desaturase Partial Gene in Sesamum indicum. *Advances in crop science and technology*5 (1) DOI: 10.4172/2329-8863.1000259 ( Impact Factor 1.55).

2. **Spandana, B** and Prakash, DSRS 2017.Characterization of Thioesterase Gene in Sesamum indicum using Bioinformatics Tools. *Advances in crop science and technology* 5 (1) 1-4 ( Impact Factor 1.55)

**F) Dr. Ch.Sreenivas, Professor (Soil Science and Agricultural Chemistry)**

1) Krishna Chaitanya, A, Majumder, S.P., ShrikantBadole, Dhaneshwar Padhan, Ashim Datta, Mandal, B., and **Sreenivas,Ch**. 2020.Pools of organic carbon in soils under a long-term rice–rice system with different organic amendments in hot, sub-humid India. *Carbon Management* 11(4):331-339 (**NAAS rating 7.46**).

2) Bidhan K Mohapatra, Ananth, P.N., Banik, N.C., Singh, S., **Sreenivas, Ch.,**and Dash, AK.2020.Coping with Climate Extremes: Development interventions through strategic collaboration- A case from Odisha. *Agricultural Extension in South Asia*:June (Blog).

3) Sireesha, A., **Sreenivas, Ch.,** Usharani,T., and Satyanarayana, P.V. 2019. Effect of Different Levels of Fertilizer Application along with Organic Manure on Maize Yield and Soil Fertility. *Int.J.Curr.Microbiol.App.Sci.* 8(10):1237-2144. (**NAAS rating 5.38**).

4) Sireesha, A., **Sreenivas, Ch.,** Usharani,T. and Satyanarayana, P.V.2019.Effect of organic farming practices on yield, nutrient uptake and soil fertility in rice-rice cropping system in Godavari Delta. *Annals of Plant and Soil Research* 21(4):404-406. (**NAAS rating 4.39**).

5) Sireesha, A., **Sreenivas, Ch.,** Usharani,T., and Satyanarayana, P.V. 2019.Comparative study on organic and conventional farming in rice under low land ecosystem of Godavari delta, Andhra Pradesh. *International Journal of Chemistry Studies* 3(4) : 13-16. (**NAAS rating 5.31**)

6) GeethaSireesha, P.V., Padmaja, G., **Sreenivas, Ch.,** and Rao, P.C. 2019. Fertilization regulates soil enzymatic activity under long term experiments of rice-rice cropping system. *Journal of Pharmacognosy and Phytochemistry* 8(4): 2073-2076. (**NAAS rating 5.21**)

7) Krishna Chaitanya A., ShrikantBadole, Dhaneshwar Padhan, Shyam Prasad Majumder and **Sreenivas, Ch**. 2017. Effect of Long-Term Application of Inorganic and Organics on Soil Aggregate Fractions in Double Rice Cropping System. *Int.J.Curr.Microbiol.App.Sci.*6(8):3779-3789(**NAAS rating 5.38**).

8) Krishna Chaitanya A., Suresh M., Shyam Prasad Majumder and **Sreenivas Ch.** 2017.Changes in Labile Pools of Soil Organic Carbon in Relation with Crop Productivity in Different Longterm Fertilizer Treatments. *International Journal of Plant & Soil Science 18(3): 1-9*(**NAAS rating 4.77**).

9) GeethaSireesha, P.V., Padmaja, G., **Sreenivas, Ch.,** Vijay Shankar Babu, M., and Rao, P.C.. 2017. Effects of Fertility Management on Soil Enzymatic Activities under Different Agro Climatic Zones of Andhra Pradesh and Telangana. *Bull. Env. Pharmacol.Life Sci.*, Vol 6 (1): 63-66(**NAAS rating 4.95**)

10) GeethaSireesha, P.V., Padmaja, G., **Sreenivas, Ch.,** and Rao, P.C .2017. Effect of Fertility Management on Soil Carbon Stock under Different Agro Climatic Zones of Andhra Pradesh. *Environment & Ecology* 35(3):1720-25 (**NAAS rating 4.18**).

11) JyothiSwaroopa, V., Bharathalakshmi, M., Venkateswarlu, B. and **Sreenivas, Ch**.2016. Effect of different Nitrogen levels and Foliar Nutrition on Growth and Yield of Machine Transplanted Rice. *Green Farming* 7(5):1121-24. (**NAAS rating 4.79**).

**G) Dr.M.Vijay Sankar Babu, Professor (Soil Science and Agricultural Chemistry)**

1) Srinivasulu , D.V, Solanki, R.M, RadhaKumari C.**, VijaySankar Babu. M. 2015.** Nutrient uptake, yield and protein content of chickpea (cicer arietinuml.)asinfluencedby irrigation and sulphur levels in medium black soils. International Journal of Agricultural Sciences. 11(1): 54-58. (**NASS Rating: 4.82)**

2) Seenaiah,R**. Vijay Sankar Babu,M and** ThimmaNaik.S 2015. Studies on morphological and physiological traits on mineral composition in cluster bean genotypes under drought stress. International Journal of Plant, Animal and Environmental Sciences. 5(4):250-256. (**Impact factor: 1.6)**

3) Ch Srinivasarao, B., **M Vijay Sankar Babu**, G Ravindra Chary.2015.Magnesium balance in four permanent manorial experiments in rainfed agro ecosystems of India. *Crop and Pasture science* (Australian Journal of Agricultural Research) 66 (12):1230-1240. (**NASS Rating: 7.33)**

4) Nataraj, K.C., **Vijay Sankar Babu,M.,** Malleswari Sadhineni, S.N., NarayanaSwamy. G., and RavindranathaReddy B. 2016.Geo referenced soil fertility status of secondary nutrients in rainfed soils of Anantapur district, Andhra Pradesh. Progressive Research–An International Journal. **11**(Special-IX):6174-6178. (**NASS Rating: 3.84)**

5) **Vijay Sankar Babu, M.,** Nataraj, K.C., Malleswari Sadhineni, S.N., .NarayanaSwamy. G., and RavindranathaReddy B. 2016 Effect of Crop Residue Mulching And Insitu Rain Water Harvesting Through Micro Catchments On Yield Of Rainfed Groundnut. Progressive Research–An International Journal. **11**(Special-IX):6185-6188. (**NASS Rating:3.84)**

6) Sahadeva Reddy B, Ravindranatha Reddy B, Malliswara Reddy A, Ashoka Reddy Y. and **Vijay Sankar Babu M. 2019.** Sustaining Groundnut (Arachis Hypogaea L.) Productivity and Monetary Returns with Sheep Penning and Manure in Combination With Farm Yard Manure and Inorganic Fertilizer Under Arid Alfisols. International Journal of Agriculture Sciences. 11(2), 7777 – 77 81. (**NASS Rating:4.20)**

**H) Dr.G.Ramesh, Assistant Professor (SMCA)**

**1)** B.Rajendrakumar,G.Vijayakumar,**G.Ramesh**.2015. Effect and economy of growth retardants on morphological physiological traits and yield of ground nut, ISSN:2349-7408, Volume-1, Issue3, January 2015, pg.no.92-95 (International Journal of Multidisciplinary Advanced Research Trends)(NASS Rating/Impact factor)

## 2. NATIONAL

### A) Dr. S. Dayakar, Professor & Head (Entomology)

1) Chinnabbai, Ch., **Dayakar, S.,** Sujatha, A., Anilkumar,P. and Umar, S.K.N. 2020. Assessment of biointensive Strategies for the management of Brinjal shoot and Fruit borer, *Leucinodes orbonalis* (Guenee)( Lepidoptera: Pyralidae). Indian Journal of Ecology. **47** (11): 202-206 (NASS Rating : 4.96).

2) Chinnabbai, Ch., **Dayakar, S.,** Sujatha, A., Anilkumar,P. and Umar, S.K.N. 2019. Screening of Brinjal genotypes against Shoot and fruit borer, *Leucinodes orbonalis* (Guenee)infestation using augmented block design. International Journal Of Current Microbiology and Applied Sciences. 8 (7):32-42. (NAAS rating : 5.38)

3) Chinnabbai, Ch., **Dayakar, S.,** Sujatha, A., Anilkumar,P. and Umar, S.K.N. 2019. Evaluation of Integrated pest managementmodules against Brinjal shoot and Fruit borer, *Leucinodes orbonalis* (Guenee) (Lepidoptera: Pyralidae). International Journal of Current Microbiology and Applied Sciences. 8 (7):211-220. (NAAS rating : 5.38)

### B) Dr. Ch.V. Narasimha Rao, Professor (Entomology)

1) Sudharani D, **Narasimha Rao Ch. V**. and Suryanarayana Y. 2015. Knowledge, attidude and practices of farmers on management of rodent pests in West Godavari District of Andhra Pradesh. *Indian Journal of Plant Protection*. **43 (2)**: 201-207.

2) Anusha, B, **Narasimha Rao, Ch.V,** Srinivas, N and Satyanarayana P.V. 2015. Evaluation of bait carrier for lesser bandicoot rat, *BandicotaBengalensis* (Gray) in paddy. In 4th Congress on Insect Science *"Entomology for Sustainable Agriculture"* organised by PAU, Ludhiana on April 16-17, 2015. pp. 119-120.

### C) Dr J. Krishna Prasadji, Professor & Head (Plant Pathology)

1) Bhavani, G., Manoj Kumar, V., **Prasadji, J. K.,** Ashoka Rani, Y and Adinarayana, M. 2018. Effect of micronutrients on urdbean leaf crinkle disease. *The Andhra Agricultural Journal*. 65: 107-110. (**NAAS 4.14**).

2) Divya, M., Prasanna Kumari V., **Prasadji, J. K.** and Ashoka Rani, Y. 2016. Effect of grain discolouration on rice grain biochemical constituents and seed germination and seedling vigour. *The Andhra Agricultural Journal*. 63: 356-363. (**NAAS 4.14**).

3) Divya, M., Prasanna Kumari V., **Prasadji, J. K.** and Ashoka Rani, Y. 2015. *In vivo* management of grain discolouration disease complex in paddy. *Progressive Research- An International Journal.* 10: 4057-4059. (**NAAS 3.84**).

4) Divya, M., Prasanna Kumari V., **Prasadji, J. K.** and Ashoka Rani, Y. 2015. Varietal screening of rice against grain discolouration complex.*Progressive Research- An International Journal.* 10: 4060-4063. (**NAAS 3.84**).

5) Divya, M., Prasanna Kumari V., **Prasadji, J. K.** and Ashoka Rani, Y. 2015. *In vitro* management of grain discolouration disease complex in paddy. *Progressive Research- An International Journal.* 10: 4064-4068. (**NAAS 3.84**).

6) Janaki Ratnam, N., Manoj Kumar, V., **Prasadji, J. K**.., Adinarayana, M and Krishnayya, P.V. 2015. Management economics of Urdbean (*Vigna mungo*) viral diseases.*The Andhra Agricultural Journal*. 62: 853-858. (**NAAS 4.14**).

7) Lakshmi, G. S., Manoj Kumar, V., **Prasadji, J. K.** and Laksmipathy, R. 2015. Effect of time of insecticidal spray on the incidence of bud necrosis and stem necrosis diseases in groundnut. *Andhra Agricultural Journal*. 62: 590-596. (**NAAS 4.14**).

8) Prabhakar Rao, S., Krishnam Raju, S., **Prasadji, J. K.**and Ashoka Rani, Y. 2018. Effect of plant characters on sheath blight disease development. *The Andhra Agricultural Journal*. 65: 101-106. (**NAAS 4.14**).

9) Pratyusha, P.,**Prasadji, J. K.,** Krishnam Raju, S., PrasannaKumari, V. And Sairam Kumar, D. V. 2016. Reaction of rice genotypes to false smut with reference to host factors favouring the disease. *The Andhra Agricultural Journal*. 63: 857-866. (**NAAS 4.14**).

10) Praveen, B., Adinarayana, M., **Prasadji, J. K.** and Jayalalitha, K. 2018. Morphological and biochemical variability in greengram genotypes with reaction to Cercospra leaf spot disease. *International Journal of Current Microbiology and Applied Sciences.*7: 3549-3553. (**NAAS 5.38**).

11) Praveen, B., Adinarayana, M., **Prasadji, J. K.** and Jayalalitha, K. 2017. Incidence of Cercospra leaf spot disease on greengram genotypes in relation with other foliar diseases. *Progressive Research – An International Journal.* 12: 27-29. (**NAAS 3.84**).

12) Praveen, B., Adinarayana, M., **Prasadji, J. K.** and Jayalalitha, K. 2017. Incidence of Cercospra leaf spot disease on greengram genotypes in relation with other foliar diseases. *The Andhra Agricultural Journal.* 64: 831-836. (**NAAS 4.14**).

13) Praveen, B., Adinarayana, M., **Prasadji, J. K.** and Jayalalitha, K. 2016. Management of Cercospra leaf spot of greengram by using different fungicides. *Progressive Research – An International Journal.* 11: 27-29. (**NAAS 3.84**).

14) Rama Devi, P., **Prasadji, J. K.,** Srinivas, T., Ashoka Rani, Y and Ramachandra Rao, G. 2017. Tomato early blight progress and its severity in relation to weather parameters in coastal Andhra Pradesh. *Journal of Agrometeorology*. 19: 280-282. (**NAAS 6.64**).

15) Rama Devi, P., **Prasadji, J. K.,** Srinivas, T., Ashoka Rani, Y and Ramachandra Rao, G. 2017. Cultural, morphological and pathogenic variability in *Alternaria* spp. causing early blight of tomato in Andhra Pradesh. *Journal of Mycology and Pant Pathology*. 47: 176-192. (**NAAS 5.79**).

16) Rama Devi, P., **Prasadji, J. K.,** Srinivas, T., Ashoka Rani, Y and Ramachandra Rao, G. 2017. Integrated disease management of early blight of tomato. Indian *Journal of Plant Protection*. 45: 89-95. (**NAAS 5.07**).

17) Swathi, B., Patibanda, A. K., **Prasadji, J. K.,** Krishnayya, P. V. and Lal Ahmed, M. 2018. Biocontrol efficacy of *Trichoderma* isolates against *Sclerotiumrolfsii* causing collar rot disease in chickpea. International Journal of Agriculture Sciences. 10: 5880 – 5884. (**NAAS 4.84**).

18) Venkatesh, I., Bhattiprolu, S. L., Prasadji, J. K.and Ramachandra Rao, G. 2015. Management of Alternaria leaf spot of cotton.*The Andhra Agricultural Journal*. 62: 351-354. (**NAAS 4.14**).

19) Venkatesh, I., Bhattiprolu, S. L., **Prasadji, J. K.**and Ramachandra Rao, G. 2015. Influence of weather parameters on development of Alternaria leaf spot of cotton.*Journal of Cotton Research and Development*. 30: 127-130. (**NAAS 4.69**).

20) Venkatesh, I., Bhattiprolu, S. L., **Prasadji, J. K.**and Ramachandra Rao, G. 2015. Biochemical analysis of cotton genotypes infected with Alternaria leaf spot disease.*Journal of Cotton Research and Development*. 30: 265-270. (**NAAS 4.69**).

21) Venkatesh, I., Bhattiprolu, S. L., **Prasadji, J. K.**and Ramachandra Rao, G. 2015. Survey for diseases and evaluation of cotton genotypes against Alternaria leaf spot.*Progressive Agriculture*. 16: 56-60. (**NAAS 4.29**).

**D) Dr. S. Krishnam Raju, Professor (Plant Pathology)**

1) P Pratyusha, J. Krishna Prasadji, **S. Krishnam Raju**, V. Prasanna Kumari and DV Sairam Kumar 2016. Reaction of rice genotypes to false smut with reference to the host factors favouring the disease. The Andhra Agricultural Journal 63(4): 857-866 **(NAAS rating 4.14)**

2) KLY Tejaswini, **S. Krishnam Raju**, BVNSR Ravi Kumar, Lal Ahmed Mohammad, PV Ramkumar, PV Satyanarayana and M. Srinivas 2016. Screening og rice $F_5$ families for sheath blight and bacterial leaf blight. Journal of Rice Research 9(1): 4-10 **(NAAS rating 3.22)**

3) KLY Tejaswini, Srinivas Manukonda, P.V. Ramana Rao, BVNSR Ravi Kumar, Lal Ahmed Mohammad and **S. Krishnam Raju** 2016. Cluster analysis studies in rice (*Oryza sativa* L.) using wards minimum variance method. Journal of Agricultural and Crop Research 4(9): 129-139 **(Impact Factor 1.24)**

4) KLY Tejaswini, Manukonda Srinivas, BVNSR Ravi Kumar, P.V. Ramana Rao, Lal Ahmed Mohammad and **S. Krishnam Raju and** P.V. Ramana Rao 2016. Correlation and path analysis studies of yield and its component traits in $F_5$ families of rice (*Oryza sativa* L.). Journal of Agriculture and veterinary Science 9(11): 80-85 **(Impact factor 2.0)**

5) S. Prabhakara Rao, **S. Krishnam Raju**, J. Krishna Prasadji and Y. Ashoka Rani 2018. Effect of plant characters on sheath blight disease development. The Andhra Agriculture Journal 65 (1): 101-106 **(NAAS rating 4.14)**

6) B. Hari Ram Kumar, P.V.Satyanarayana, D. Ratna Babu, N. Chamundeswari, V. Srinivasa Rao and **S. Krishnam Raju** 2018. Genetic variability, heritability and genetic advance for grain yield, its components and quality traits in rice(*Oryzasativa* L.). The Andhra Agriculture Journal 65 (2): 310-314**(NAAS rating 4.14)**

7) B. Hari Ram Kumar, P.V.Satyanarayana, D. Ratna Babu, V. Srinivasa Rao, N. Chamundeswariand **S. Krishnam Raju** 2018. Character association and path analysis of yield, yield components and grain and grain quality characters of rice cultures. The Andhra Agriculture Journal 65 (3): 561-567-314**(NAAS rating 4.14)**

8) Anand Kumar A D V S L P., Rama Rao C V, Mallikharjuna Rao N, **Krishnam Raju S**, Nafeez Umar Sk 2019. Effect of abiotic factors on the population dynamics of rice brown plant hopper, *Nilaparvatalugens* (STAL). Multilogic in Science IX (30):11-15 **(NAAS rating 5.2)**

**E) Dr. M. Ramabhadra Raju, Associate Professor (Plant Pathology)**

1) Visalakshmi, V., **Raju, M.R.B.,** Upendra Rao, A., Madhu kumar, K. and Harisatyanarayana N. 2016. Compatibility and efficacy of insecticide and fungicide combinations on major pests and sheath blight in paddy. Nature Environment and Pollution technology. 15(1):233-235

**F) Dr. P. Munirathnam, Professor & Head (Agronomy)**

1) **P Munirathnam** and K Ashok Kumar. 2020. Response of mustard (Brassica juncea L Czern&Coss) varieties to varied phosphorus fertilization levels in vertisols. Pantnagar Journal of Research (Vol.18 (1): pp 12-14.

2) **P Munirathnam** and K Ashok Kumar. 2020. Profitable alternate crops for bengalgram (cicerarietinum) in ScarceRainfall Zone of Andhra Pradesh. Pantnagar Journal of Research (Vol.18 (1); pp15-17

**G) Dr. K.M. Dakshinamurthy, Associate Professor (Agronomy)**

1) **K. M. Dakshina Murthy**, A. Upendra Rao, D.Vijay and T.V.Sridhar, 2015. Effect of levels of nitrogen, phosphorus and potassium on performance of rice. Indian journal of Agricultural Research. 49 (1):83-87 (4.86)

2) A Upendra Rao, **K.M Dakshina Murthy**, T V Sridhar and S Krishnam Raju. 2015. Site-Specific Nutrient Management – A Sustainable Nutrient Management Option In Rice, OryzaSativa L. International Journal Of Farm Sciences. 5(4) : 24-31 (4.01)

3) Upendra Rao, **K.M. Dakshina Murthy**, D.Vijay andT.V.Sridhar. 2015. Water management in rice. Journal of Eco friendly agriculture. Vol11(2):186-190

4) A Upendra Rao, **K.M Dakshina Murthy** and T V Sridhar. (2016). Effect of incremental levels of N P K 0n production, profits and nutrient balance in rice-rice system. Research Journal of Agricultural and Environmental Sciences. Vol 3(1):16-21

**H) Dr. P. Ammaji, Associate Professor (Agronomy)**

1) **Ammaji, P** and Pulla Rao, Ch 2020 Effect of Kharif legume crop residue incorporation in combination with nitrogen levels on growth and yield of succeeding maize during rabi. The Andhra Agricultural Journal 67 spl (IARD) 7-11.

**I) Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)**

1) **S. HymaJyothi,** Mayuri. K and ShanmukhSagar. K 2015. Extent of Women Participation in Rythu Bazars of East Godavari District of Andhra Pradesh. International Journal of Agricultural Science & Research 5 (3): 273-278. **(NAAS rating: 4.13)**

2) **S. Hyma Jyothi**, K. Mayuri. K. ShanmukhSagar and S.U.M. Reddy 2015. Constraints in Egg Marketing- A Study in East Godavari District of Andhra Pradesh. Indian Journal of Agricultural Marketing 29 (3):80-84. **(NAAS rating: 3.27)**

3) K. ShanmukhSagar, K. Mayuri and **S. Hyma Jyothi** 2016. Growth and instability of marine product exports of India. International Journal of Business and General Management 5 (2):77-84. **(NAAS rating: 3.51)**

4) M. PriyankaChowdary and **S. Hyma Jyothi.** 2018. An analysis of price behavior of rice.International Journal of Agricultural Science & Research. 8 (5): 55-60. **(NAAS rating 4.13)**

5) M. Priyanka, **S. Hyma Jyothi**, K. Umadevi and Sk. Nafeez Umar 2018. Economics of rice cultivation in West Godavari district of Andhra Pradesh.The Andhra Agric. J 65 (4): 961-967. **(NAAS rating: 4.13)**

6) M. PriyankaChowdary and **S. Hyma Jyothi** 2019.Constraints in Production and Marketing of Rice in West Godavari District of Andhra Pradesh, India.International Journal of Current Microbiology and Applied Sciences 8(6):1-3. **(NAAS rating: 5.38)**

7) K. Kiran Prakash, S. K. Nafeez Umar, G. Ramesh, **S. Hyma Jyothi** and M. Venkataramulu 2018. Seasonal Arima model to forecast rainfall for three mandalas of Telangana State International Journal of Pure & Applied Bioscience. 6(2): 1372-1375. **(NAAS rating 4.74)**

8) K. Mayuri, D.VishnuSankar Rao, Y. Radha, P. Rambabu, V. Srinivasa Rao and **S. HymaJyothi** 2018. Study on growth and instability of pulses in Andhra Pradesh. The Andhra Agric. J 65 (4): 948-950. **(NAAS rating: 4.13)**

9) K Mayuri, D. Vishnu Sankar Rao, Y. Radha, P. Ram Babu, V. Srinivasa Rao and **S. Hyma Jyothi** 2019. Study on structural transformation in operational landholdings in Andhra Pradesh. The Andhra Agric. J 66 (1): 213-215. **(NAAS rating: 4.13)**

**J) Dr. P.L.R.J.Praveena, Professor & Head (Agricultural Extension)**

1) Mubeena, T.Lakshmi Devi, **P.L.R.J.Praveena**, A.V.Nagavaniand B.Ramana Murthy 2020.Profile characteristics of rural youth agripreneurs of Andhra Pradesh. The Pharma Innovation Journal 9(6): 314-319 (NASS rating -5.03: Impact factor :RJIF 5.98).

**K) Dr. K. Ravi Kumar, Assistant Professor, (Horticulture)**

1) **Ravi Kumar, K.,** Ankaiah Kumar, K., Ranjitha,G., Teza,J., Srinivasulu,D.V., Swarnalatha, T., Ramalakhmi Devi, R. Veeraiah, A., and Silpakala V. 2018. Initiatives through Krishi Kalyan Abhiyan towards doubling Farmers Income in YSR Kadapa District of Andhra Pradesh*J. Agric. Technol.,* **5**(2): 45-47; ISSN: 2348-4721

2) Bhanusree, M.R., Ghosh, S.K., **Ravi Kumar,K.,** Suresh,C.P. and Chakravarty,S. 2018. Effect of Different Post -Harvest Packaging Treatments On Shelf-Life Of Banana Var. Grand Naine. *Bulletin of Environment, Pharmacology and Life Sciences* Vol **7** (SPL 1) : 119-124

**L) Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)**

1) Tejaswini, V V., Jawaharlal, D., Sindhuja, K., Sharmila Begum, N and **Sai Gangadhara Rao, D.** 2016. Minimum Specific Energy and Froude Number Over A Sharp Crested Rectangular Weir. Progressive Research – An International Journal. ISSN-0973-6417 Volume 11 (Special-II): 1046-1048. (**NAAS-3.84**).

2) Mani, A., Kranthi Kumar, Ch and **Sai GangadharaRao, D.** 2018. Mapping of soil erosion for soil and water conservation measures in Kolleru lake catchment area.Indian Journal of Soil Conservation. ISSN-0970-3349 Vol. 46(2):171-180. (**NAAS-5.20**).

**M) Dr. B. Spandana, Assistant Professor (Mol. Biology & Biotech.)**

1) Nagalakshmi, S., Surender, M., **Spandana, B** and Hadassha G**.** 2017**.** Genetic divergence, correlation, path analysis and variability studies in maize genotypes (*Zea mays* L.) *Green Farming* 8.(1) 25-28 (**NASS rating 4.36**)

2) Nirosha, R., Thippeswamy, S., Ravindra babu, V., Ram Reddy V and **Spandana, B** 2016.Genetic diversity analysis of Zinc, Iron, Grain Protein content and yield components in Rice. *Electronic journal of plant breeding* 371-377 (NASS rating 4.97)

**N) Dr. D. Srinivas, Professor and Head (SS&AC)**

1) **Srinivas, D**.,Bharatha Lakshmi, M., and Bhattacharya, P. 2015. Carbon pools and associated soil enzyme activities as influenced by long term application of fertilizers and manure in lowland rice soil. Journal of Indian Society of Soil Science. Vol.63 (3) : 310-319. (NAAS rating 5.17)

**O) Dr. Ch. Sreenivas, Professor (SS & AC)**

2) Narayan Chandra Banik, Ashok Kumar, Bidhan K. Mohapatra, Vivek Kumar **Chilamkurthi Sreenivas**, Sudhanshu Singh, PeramaiyanPanneerselvam and Virender Kumar. 2020. Weed management approaches in direct-seeded rice in eastern Indian ecologies – A critical and updated review. *Indian Journal of Weed science* 52:1-9. (**NAAS rating 5.17**)

3) Srinivas, M., Kumari, M.B.G.S., Anusha, B., **Sreenivas, Ch.,** and Satyanarayana. P.V. 2016.Responce of Machine Transplanted Rice to Different Levels of Nutrients under Coastal Irrigated Ecosystem. *Journal of Rice Research* 9(2):55-58 (**NAAS rating 3.22**)

4) **Sreenivas, Ch**. Srinivas, D., Sridar, T.V. , Surekha, K., and Satyanarayana, P.V.2015. Long Term Fertilization Effect on Soil Organic Carbon and Productivity of Rice Crop under Rice-Rice Cropping System in Godavari Delta, India. *Journal of Rice Research* 8(1):57-62. (**NAAS rating 3.22**)

**5) Sreenivas, Ch.,** Vishnu Vardhan, S., VenkataReddy, C., and Radha, Y.2015. Impact Assessment of Andhra Pradesh Water Management Project on Socio-Economic Conditions of Farmers in Godavari Western Delta Pilot Area. *Journal of Rice Research* 8(1):76-80. (NAAS rating 3.22)

**P) Dr.M.Vijay Sankar Babu, Professor (Soil Science)**

**1) Vijay Sankar Babu**, **M.,** Ravindra Chary, G., and Srinivasarao. Ch. 2016.Impact of long term integrated nutrient management on groundnut yield and soil properties in scarce rainfall zone of Andhra Pradesh, *India Indian Journal of Ecology*.43(1): 448-451. (**NASS Rating:4.96)**

**2)** Nataraj, K.C., **Vijay Sankar Babu, M.,** Narayanaswamy,,G., Bhargavi,K., .Sahadeva Reddy., B and Srinivasarao., Ch. 2016. Nutrient management strategies in groundnut-based crop production systems in dryland regions of southern Andhra Pradesh. *Indian Journal ofFertilisers.* 12**(**10)1pp.58-75.(**NASS Rating:2.80)**

**Q) Dr.G.Ramesh, Assistant Profesor (SMCA)**

1) N.Vennela,D Adilakshmi,K Madhu kumar,Ch S Ramalakshmi,G.Ramesh Genetic Variability, Heritability, Character Association and Path Coefficient Analysis I Sugarcane ( *Sacccharum officinarum L*.,)The Andhra Agri.J 64(3):533-539,2017. (NASS Rating/Impact factor)

**C) Number of conferences/seminars/workshops attended along with citation as per ANGRAU thesis guidelines**

**1. INTERNATIONAL**

**A) Dr J. Krishna Prasadji, Professor & Head (Plant Pathology)**

1) Organised the International Conference on "Strategic approaches for development of world class agricultural universities. 18 & 19 March 2018 in the College of Agril Engineering and Technology, Bapatla as the Dean of Agriculture & Principal Investigator, ANGRAU- IDP.

**B) Dr. P. Ammaji, Associate Professor (Agronomy)**

1) **Ammaji, P** C hiranjeevi, Ch and Praveen N 2015. Productivity and resource use efficiency of direct seeding of rice with eight row drum seeder Proceedings of International conference on Bio resource and stress management Andhra Pradesh India 7-10 January 2015.

**C) Dr. Ch. Sreenivas, Professor (SS & AC)**

1) **Sreenivas, Ch.,** Surekha, K., Satyanarayana, P.V., Srinivas, D. and Sridar, T.V.2015. Long Term Effect of Rice-Rice Cropping System on Soil Health in Godavari Alluvial Soils, India . International Rice Symposium,2015, Hyderabad.pp95

**D) Dr. P.L.R.J.Praveena, Professor & Head (Agricultural Extension)**

1) C.Lakshmi Devi and **P.L.R.J. Praveena**, 2018. Role of extension functionaries in dissemination of technologies towards climate resilient agriculture. Proceedings of National Seminar on futuristic agriculture for sustainable food security, S.V.Agricultural College, Tirupati, 21-23 Febrauary 2018. ANGRAU. (was awarded best poster presentation)

2) Sri Chandana, T. and **P.L.R.J. Praveena**, 2019. Transformation of Agricultural Extension – An analytical study. Proceedings of National Seminar for Post Graduate students on Novel Approaches for douling farmer income through sustainable agricultural production systems, S.V.Agricultural College, Tirupati, 7-8 March 2019.ANGRAU.

3) Mubeena, M.D., **P.L.R.J. Praveena** and T.lakshmi, 2019. Transformation of Agricultural Extension – An analytical study. Proceedings of National Seminar for Post Graduate students on Novel Approaches for douling farmer income through sustainable agricultural production systems, S.V.Agricultural College, Tirupati, 7-8 March 2019.ANGRAU.

4) For the three day National Seminar conducted at S.V.Agricultural College, Tirupati on Futuristic Agriculture for Sustainable Food Security from 21-23 February, 2018, convened the Press and Publicity Committee and also acted as rapporteur for the theme ''Extension Strategies and Policy Issues for Resource Management".

5) Participated in workshop on Agri Clinics and Agri Business conducted by NABARD at Tirupati on 23-01-2020.

6) Participated in the National Conference on Transformation of Agricultural Extension Strategies for Effective Reformation (TAESERE 2020) conducted on line from Agricultural College, Bapatla from 20th to 21st August, 2020 and co-chaired the theme 'Policy reforms in the field of Agricultural Extension".

**E) Dr. K.M. Dakshina Murthy, Associate Professor (Agronomy)**

1) Attended the AgMIP Phase-II Fundamental workshop held during 23rd June to 1st July, 2015 organized by Victoria falls, Zimbabwe.
2) Attended the Fifth AgMIP Global Workshop (AgMIP5)held during 25th -28th February 2015 organized by University of Florida in Gainesville, USA.
3) Attended the Crop modeling for agriculture and food security under Global changeheld during 15th -17thMarch,2016 organized by Berlin, Germany.
4) Attended the Global Futures & Strategic Foresight Extended Team Meeting held during 16th -20thMay,2016 organized by Lake Naivasha Country Club, Karagita, Kenya.
5) Attended the Workshop meeting of AgMIP RRT projects – South India RRT and Indo-Gangetic Basin RRTheld during 23rd to 27thMay,2016 organized at JP Siddhartha Hotel, New Delhi.
6) Attended the AgMIP6th Global workshopheld during 2-3rd November,2016 organized by ICRISAT, Hyderabad.
7) Attended the International conference on climate change, water and agricultural food security held during 2-3rd November,2016 organized by ICRISAT, Hyderabad.
8) Attended the Mainstreaming Climate Change Adaptation in Development Planning for Prioritizing and Operationalizing Climate Change Activitiesheld during 6-7October,2016 organized by EPTRI, Hyderabad.
9) Attended the Agricultural Model Intercomparison and Improvement Project (AgMIP) Phase 2 Winners' Circle Workshop held during 30th January to 3rd February, 2017 at
    a. Safari Park Hotel in Nairobi, Kenya
10) Attended the PyawtYwar Project Inception Meeting held during 6-10thFebruary,2017 at Sagaing, Myamnar.
11) Attended the PyawtYwar Project Work plan Meeting held during 6-8thMay,2017 at IWMI Office, Yangon,Myamnar.
12) Attended the Partner Workshop Prosoil-Reflection and Way Forward held during 7-10th June, 2017 at Westin Sohna Resort, New Delhi.

13) Attended the IFAD consultation workshop withstakeholders held on 23th June, 2017 at NASC Complex, Pusa, New Delhi.
14) Attended the first first annual CGIAR Platform for Big Data in Agriculture Convention held during 19-22nd September, 2017 at Cali, California.
15) Attended A launch event and three-day workshop for the TIGR2ESS programme held during 21-23rd February, 2018 at The TajMahal Hotel,New Delhi, India.
16) Attended the Best Practices Workshop on Climate Change Projections and their Applications in the ASEAN Countries held during 20-23rd March, 2018 at Singapore.
17) Attended AgMIP 7 Global Workshop held during 24-26th April, 2018 at Inter-American Institute ForCooperation On Agriculture, San José, Costa Rica.
18) Attended the 2nd Multi-stakeholderconsultation workshop in Myinmu held on 18th May, 2018 at Myinmu, Myamnar.
19) Attended the CCAFS Flagship 4 Portfolio Design Workshop held during 25-27th July, 2018 at Columbia University, Palisades, New York.
20) Attended Water, Land Ecosystems" (WLE) Flagship 2: Landand Water Solutions (LWS) Science Workshop held during 8-9th October, 2018 at ICRISAT, Hyderabad.
21) Attended the CLEM- Crop Livestock Enterprise Modelling held during 19-23rd October, 2018 at at ICRISAT, Hyderabad.

**2) NATIONAL**

**A) Dr. S. Dayakar, Professor & Head (Entomology)**

1) **Dayakar, S. 2018**. Effect of different carbon and nitrogen sources on the growth and pathogenecity of entomogenous fungi. Proceedings of National Symposium on Entomology2018: Advances and Challenges, 10-12 December, 2018. PJTSAU, Hyderabad.

2) **Dayakar, S.** 2017. Evaluation of certain Rajendranagar rice cultures against major insect pests under need based protected and unprotected conditions. Proceedings of National Seminar on Zero Hunger Challenges- for Hunger free India 5-6 January, 2017. Govt. College for Women, Guntur.

3) Chinnabbai, CH and **Dayakar, S.**2017.Insect defenses. Proceedings of National Seminar on Zero Hunger Challenges- for Hunger free India 5-6 January, 2017. Govt. College for Women, Guntur.

4) Ammaji, P and **Dayakar, S.** 2017. Crop Residue Management In Multiple Cropping Systems- A Review. Proceedings of National Seminar on Zero Hunger Challenges- for Hunger free India 5-6 January, 2017. Govt. College for Women, Guntur.

5) **Dayakar, S.,** Ravi, T. and Singh, T.V.K. 2015. Impact of insecticide resistance management strategies on the incidence of insect pests in *B t* cotton in Khammam district. Proceedings of The Second International conference on bio –resources and stress management, 7-10th January, 2015. Ratikanta Maiti Foundation, Kolkata, PJTSAU and ANGRAU, Hyderabad, India.

**B) Dr J. Krishna Prasadji, Professor & Head (Plant Pathology)**

1) **Prasadji, J. K.** 2016. Plant Disease in relation to Ecosystem Services. Lead talk in the National Conference on Adaptation Interventions for Climate Resilient Agriculture in Coastal Agro-ecosystems. 9-10 March 2017. Regional Agricultural Research Station (ANGRAU), Lam, Guntur, A. P (Proceedings in press).

**C) Dr. S. Krishnam Raju, Professor (Plant Pathology)**

1) Presented paper on "Efficacy of new combination fungicide, Penflufen 90% + tebuconazole 180% SC against rice sheath blight caused by *Rhizoctoniasolani* (Kuhn) at International rice symposium from 18-20 November 2015 at Hyderabad.

2) Presented poster on "Effect of organic farming practices on sheath blight incidence in rice at National conference on "Innovative and current advances in Agriculture and Allied Sciences from 10-11 December 2016 at PJTSU, Hyderabad.

3) Attended 52nd Annual Rice Research Group meeting at Jorhat, Assam from 8-11 April 2017 and co-chaired the Plant pathology group meeting.

4) Presented paper on "Efficacy of new combination fungicide, Azoxystrobin 11% + tebuconazole 18.3% SC against rice sheath blight" at 3rd ARRW International symposium-2018 at National Rice Research Institute, Cuttak from 6-9 February 2018.

**D) Dr. M. Ramabhadra Raju, Associate Professor (Plant Pathology)**

1. **Raju, M.R.B.** and Visalakshmi V. Evaluation of cow based panchagavya on the development of diseases and insect pests in paddy, International Rice symposium – "Rice Science for global food and nutritional security", 18-20, November 2015. Compendium of Abstracts – pg. 605.

2. Participated in the 3 day workshop "Climate literacy – Mainstreaming climate change into higher education – Agriculture education organized by Dr. MCR HRD Institute, Hyderabad during 29-02-2020 to 02-03-2020.

3. Jyothula, D.P.B., **Raju, M.R.B.** and Ramanamurthy, K.V. 2015. Character association studies in early maturing varieties of paddy in north coastal zone of Andhra Pradesh. National seminar on climate change- Crop improvement and management strategies for food security, Ag. College, Bapatla (ANGRAU). Pg. 44.

4. Consultation workshop on Biodiversity friendly sector plans for port & shipping, fertilizers and salt pans organizsed by EGREE foundation, Kakinada on 4th July 2018 (An Initiative of Government of India – UNDP – GEF – Govt. Of Andhra Pradesh on "Mainstreaming coastal and marine biodiversity conservation into Production sectors in EGREE region)

**E) Dr. K.M. Dakshina Murthy, Associate Professor (Agronomy)**

1) Attended the Systems modelling tools with a focus on value chain methodologies held during 9-11$^{th}$May,2016facilitated by ICRISAT, Hyderabad.
2) Attended the Hack4 farming held during 12$^{th}$and 13$^{th}$May,2016 organized by ICRISAT, Hyderabad.
3) Attended the Workshop meeting of AgMIP RRT projects – South India RRT and Indo-Gangetic Basin RRTheld during 23$^{rd}$ to 27$^{th}$May,2016 organized at JP Siddhartha Hotel, New Delhi.
4) Attended the AgMIP6$^{th}$ Global workshopheld during 2$^{-3rd}$ November,2016 organized by ICRISAT, Hyderabad.
5) Attended the Mainstreaming Climate Change Adaptation in Development Planning for Prioritizing and Operationalizing Climate Change Activitiesheld during 6-7October,2016 organized by EPTRI, Hyderabad.
6) Attended the workshop on Economics of Land Degradation held on 2$^{nd}$ December, 2016 at New Delhi.
7) Attended the workshop on Scaling up climate smart agriculture in Telangana state held during 6-7$^{th}$ December, 2016at Hyderabad.
8) Attended the Agricultural Model Intercomparison and Improvement Project (AgMIP) Economics Summitheld during 16-18$^{th}$ January, 2017 at ICRISAT, Hyderabad.
9) Attended the Invitation for Consultation& Capacity Building Workshop held on 20$^{th}$ February, 2017 held ITC Kakatiya, Hyderabad.
10) Attended the Partner Workshop Prosoil-Reflection and Way Forward held during 7-10$^{th}$ June, 2017 at Westin Sohna Resort, New Delhi.
11) Attended the IFAD consultation workshop with stakeholders held on 23$^{th}$ June, 2017 at NASC Complex, Pusa, New Delhi.
12) Attended the Agromet advisories assessment and improvement held on 23$^{rd}$ May, 2018 at Pisharoty Hall, IITM, Pune.
13) Attended the Transforming India's Green Revolution by Research and Empowerment for Sustainable food Supplies (TIGR2ESS) workshop held during 16-18$^{th}$ August, 2018 held at ICRISAT, Hyderabad.
14) Attended the Agriculture and Sustainable Development Goals held during 15-17$^{th}$ November, 2018 at at ICAR – National Dairy Research Institute, Karnal, Haryana.

**F) Dr. P. Ammaji, Associate Professor (Agronomy)**

1) **Ammaji, P** and Pulla Rao, Ch 2017. Soil physical and microbial properties as influenced by legume residue incorporation in legume cereal sequence. Proceedings of National seminar on Zero hunger challenge for hunger free india. 5-6 January 2017. Guntur, Andhra Pradesh.

2) **Ammaji, P** Pulla Rao, Ch Rao, P V Prasad, P R K 2017. Productivity of maize as influenced by crop residue incorporation and nitrogen levels in legume cereal sequence. Proceedings of Agronomic approaches for climate resilient agriculture 2-5 May 2017. Nandyal, Andhra Pradesh

**G) Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)**

1) Suhasini. K, Shakunatala Devi. I and **HymaJyothi. S** 2016. Micro Finance a tool of financial inclusion – A constraint analysis (full length) National Seminar on "Financing & Sustaining Rural Enterprises- A Bottom of Pyramid Approach. National Seminar proceedings Pp181-186 ISBN 978-81932824-5-8

2) **Hyma Jyothi. S,** Uma Maheswara Reddy. S 2017. Effect of Climate Change on Dairy Production in Coastal Region of Andhra Pradesh (full length) National Conference on "Adaptation Interventions for Climate Resilient Agriculture in Coastal Agro-ecosystems", Lam, Guntur, ANGRAU, National Conference proceedings Pp: 113-122 ISBN 978-81932824-5-8.

3) **Hyma Jyothi. S** 2019.Public Private Partnerships are the key for the Growth of India's Agricultural Sector.National Symposium on the Choice of Farming Models for Income Security: Towards Equity and Sustainability' jointly organized by NABARD Chair, ANGRAU & APHRDI, Bapatla.

4) Acted as rapporteur for theme "Resilient and suitable farming models for income security" in 'National Symposium on the Choice of Farming Models for Income Security: Towards Equity and Sustainability' 21-22 June, 2019 jointly organized by NABARD chair, ANGRAU & APHRDI, Bapatla.

**H) Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)**

1) **Sai Gangadhara Rao, D.,**Paavan Kumar Reddy, G., Naveen Kumar, G., Naveen Kumar Reddy, B., Ramesh Naik, E and C. Ramana. 2016. Development of user friendly software model for Gully control structures. *International Conference on Climate Change, Water, Agriculture and Food Security***.**Pg.107.

**I) Dr. D. Srinivas, Professor and Head (SS&AC)**

1. **Srinivas, D.** and Sridhar, T.V. 2015,β-glucosidase activity as influenced by application of organic and inorganic fertilizers in a long-term trial under rice-rice cropping system. National Seminar on developments in Soil Science- 2015 (80$^{th}$ Annual Convention) held during 5-8$^{th}$ December, 2015 at GKVK, Bangalore. Pp: 71.

2. Sridhar, T.V and **Srinivas, D.** 2015. Crop residue management in rice-rice cropping system. National Seminar on developments in Soil Science- 2015 (80$^{th}$ Annual Convention) held during 5-8$^{th}$ December, 2015 at GKVK, Bangalore. Pp: 194.

3. **Srinivas, D.** and Sreenivas, Ch.2016.Long-Term Integrated Nutrient Management Foster the Biological Activities and Carbon Sequestering Capacity of Flooded Rice Soil. National Seminar on developments in Soil Science-2016 held at RVSKVV, Gwalior, India,20-23 October 2016.Indian Society of Soil Science , New Delhi. Page: 61.

4. Participated in the workshop on "Crop Health Monitoring and crop yield estimates using remote sensing' held at AP Secretariat, Hyderabad on 26.02.2016.

5. Participated in the brain storming session on 'Climate Resilient Agriculture an Natural Farming' held on 08.06.2016 at Conference Hall, RARS, Lam, Guntur.

6. Participated in the 'World Soil Day" held on 5th December, 2016 at KVK, Kalavacherla (CTRI_ICAR) and delivered a Lecture on "Importance of soils and soil testing. Management".

7. **Srinivas, D.** and Sreenivas, Ch. 2017. Influence of Long-term Application of Manures and Fertilizers on Organic Carbon Build-up and Enzyme Activities in Godavari Alluvial Soils under Rice-Rice Cropping System. 82nd Annual Convention- Indian Society of Soil Science, December 11-14, Kolkata. pp 157

**J) Dr. Ch. Sreenivas, Professor (SS & AC)**

1. **Sreenivas, Ch.,** Sireesha, A., Usha Rani,T. and Satyanarayana, P.V.2017. Long-term Soil Fertility Management in Low Land Rice Soils under Rice-Rice Cropping System of Godavari Delta, India : 25 Years Experience. 82nd Annual Convention- Indian Society of Soil Science, December 11-14, Kolkata. pp 233

2. **Sreenivas, Ch.,** Sireesha, A. and Usha Rani,T. 2017. Use of Nutriexpert® for Site Specific Nutrient Management under Rice-Rice Cropping System in Low Land Rice Soils of Godavari Delta, India. 82nd Annual Convention- Indian Society of Soil Science, December 11-14, Kolkata. pp 247

3. **Sreenivas, Ch.,** UshaRani, T. and Sireesha, A. 2017. Screening of Rice Germplasm and Varieties for High Zinc and Iron Accumulation under Rice-Rice Cropping System in Low Land Rice Soils of Godavari Delta, India. 82nd Annual Convention- Indian Society of Soil Science, December 11-14, Kolkata. pp 260

4. **Sreenivas, Ch.** and Srinivas,D.2017. Water Quality Monitoring and Assessment of Kolleru Lake Wetland Environment, India - Lake Water, Aquaculture Ponds and Agriculture Water: A Comparative Study. 82nd Annual Convention- Indian Society of Soil Science, December 11-14, Kolkata. pp 333.

5. Usha Rani, T., **Sreenivas, Ch.,** Sirisha, A., Satyanarayana,P.V. and Radha Krishna,J.2017. Studies on Management of Nursery Beds for Machine Transplanting in Rice. 82nd Annual Convention- Indian Society of Soil Science, December 11-14, Kolkata. pp 340.

6. **Sreenivas, Ch.,** Sireesha, A., Usha Rani, T., and Satyanarayana,P.V.2017. Long term soil fertility management in low land rice soils under rice-rice cropping system of Godavari delta, India : 25 years experience. National Seminar on Developments in Soil Science:2017,82nd Annual Convention of Indian Society of Soil Science,11-14th, November,17, Kolkata.pp11.

7. Srinivas,D., and **Sreenivas,Ch.** 2016.Long Term Integrated Nutrient Management Foster the Biological Activities and Carbon sequesteration Capacity of Flooded Rice Soil., Godavari Zone of Andhra Pradesh. 81st Annual Convention of Indian Society of Soil Science from 20-23rd October, 2016pp.57

8. Geetha Sireesha, P.V., Padamaja , G., **Sreenivas, Ch.,** Naidu, M.V.S. and Rao, P.C.2016.Long Term Effect of Soil Fertility Management on Carbon Stocks under Different Agro Climatic Zones of Andhra Pradesh. International Conference on " Integrated Land Use Planning for Smart Agriculture- An Agenda for Sustaibable Land Management", Nagpur, India,10-13th, November,2016 pp.145.

9. Padamaja ,G., GeethaSireesha, P.V.,.Rao, P.C and **Sreenivas, Ch.**2015.Long Term Effect of Soil Fertility Management on Enzyme Activity and Carbon Fractions in Rice-Rice Cropping System, Godavari Zone of Andhra Pradesh. 80th Annual Convention of Indian Society of Soil Science from $5^{th}$-$8^{th}$ November, 2015pp.69

**K) Dr. M.Vijay Sankar Babu, Professor (Soil Science and Agricultural Chemistry)**

1) **Vijay Sankar Babu, M.,** Nataraj, K.C., Srihari., A and Sahadeva Reddy, B.2016.Impact of Long Term Integrated Nutrient Management on Groundnut Yield and Soil Properties in Scarce Rainfall Zone of Andhra Pradesh, India. International Conference –2016, Natural Resource Management: Ecological Perspective. Indian Ecological Society,Jammu.

2) **Vijay Sankar Babu, M.,** Nataraj, K.C., Srihari., A and ; Ravindranatha Reddy,B.2017.Effect of Bio fertilizers on Productivity, Soil Properties and Phosphatases Activity under Groundnut Monocropping System in an Alfisols of Scarce Rainfall Zone of Andhra Pradesh, India. National Seminar on "Developments in Soil Science-2017. Indian Society Soil Science Convention held at Amity University, Kolkata, December 11-14,2017

**L) Dr. Ch. Syam Raj Naik, Professor & Head (Crop Physiology)**

1) "Effect of rhizobial strains on nodulation, nitrogenase activity and gain yield of Cow pea Cultivars" Second International Conference on Bio-Resourse and Stress Management from 07.01.2015 to 10.01.2015.

2) "Effect of Moisture stress on Morphological parameters of Sugarcane Clones" ISSP South zone seminar on "Crop physiology- Emerging Challenges and Opportunities for Sustainable Agriculture on 03.03.2015.

3) "Seasonal influence on growth, yield and quality parameters in guar (Cymposis tetragonologa L) Genotypes" National Seminar on Plant Physiology entitled "Physiological and molecular approaches for Climate Resilient Crops" on 12.12.2014.

**D) Books and book chapters written**

**A) Dr J. Krishna Prasadji, Professor & Head (Plant Pathology)**

1) Krishnam Raju, S., Bhuvaneswari, V., **Prasadji, J. K.** and Satyanarayana, P. V. 2020. Present scenario of diseases in rice (*Oryza sativa* L.) and their management. In Diseases of Field Crops, diagnosis and management. (eds. J. N. Srivatsava and A. K. Singh). Apple Publishers, New Delhi. pp 1 – 56.

**B) Dr. S. Krishnam Raju, Professor (Plant Pathology)**

1) Bhuvaneswari V., **Krishnam Raju S**., Vishnuvardhan Reddy A., Satyanarayana PV and Girija Rani M 2015. Rice diseases. Plant Pathology-problems and progress .eds. P.C. Trivadi Pp: 1-45.

2) D. Sudha Rani, Ch. Chiranjeevi, T. Madhumathi and **S. Krishnam Raju** 2019. Interactions of Fungal Entomopathogens with their Insect Hosts in Advances in Microbiology eds. Dr. Pawan Kumar, Discovery publishing House, New Delhi Pp: 86-122.

3) **S. Krishnam Raju**, V. Bhuvaneswari, J. Krishna Prasadji and P.V. Satyanarayana 2020. Present scenario of Diseases in Rice (*Oryzasativa* L.) and their Management in Diseases of Field Crops, Diagnosis and Management eds. J.N. Srivastava and A.K. Singh, Apple Academic Press, New Delhi Pp: 1-56.

4) Resource person for the preparation of technical bulletin on paddy published by the ANGRAU, Lam Guntur

**C) Dr. K.M. Dakshina Murthy, Associate Professor (Agronomy)**

1) Anthony W, Carberry P, Rao KPC, Kumar S, **Kadiyala M.D.M**, Nedumaran S and Uday N. 2019. Climate Risk Management in Smallholder Farming Systems in the Semiarid Tropic. In book: Climate Change and Agriculture: Causes, Impacts and Interventions Publisher: New India Publishing Agency, New Delhi 110 034.

2) Sonali P McDermid, Guntuku Dileepkumar, **M.D.M. Kadiyala** et al., 2015. Integrated Assessments of the Impacts of Climate Change on Agriculture: An Overview of AgMIP Regional Research in South Asia. Handbook of Climate Change and Agroecosystems. ICP Series on Climate Change Impacts, Adaptation, and Mitigation: Volume 3.

3) Paramasivam P, Geethalakshmi V, Rajireddy D, **M.D.M. Kadiyala** et al., 2015 Integrated Assessment of Climate Change Impacts on Maize Farms and Farm Household Incomes in South India: A Case Study from Tamil Nadu. Handbook of Climate Change and Agroecosystems. ICP Series on Climate Change Impacts, Adaptation, and Mitigation: Volume 3.

**D) Dr. P. Ammaji, Associate Professor (Agronomy)**

1) Sri latha vani, ch. **Ammaji, P** and Balazzi Naik, R 2016. Bio tech books New Delhi Constraints and stratagies in increasing pulse production for evergreen revolution 1-12

**E) Dr. B. Spandana, Assistant Professor (Molecular Biology & Biotechnology)**

1) **Spandana Bandila**.2018. *Partial characterization of Thioesterase and Desaturase genes in Sesamum Using Bioinformatic Tools* Lap Lambert academic publishing., Germany

**F) Dr. M.Vijay Sankar Babu, Professor (Soil Science and Agricultural Chemistry)**

1) **Vijay Sankar Babu**,M., Balaguravaiah,.D.,Veerabhadra rao, K.,Munaswamy, V., Sahadeva Reddy,B., Bhargavi,K., Padmalatha ,Y and Srinivasarao. Ch 2015. *Achievements of soil research in dryland regions of Andhra Pradesh..*96 + 15 pages. AICRPDA, CRIDA, Hyderabad.

2) **Vijay Sankar Babu M.,** Natraj,K.C., Narayana swamy,G.,Srihari .A and Sahadeva Reddy.B.2015. *Soil health management. 52 P.* under RKVY

**E) Innovations or achievements in teaching**

**A) Dr. S. Dayakar, Professor & Head (Entomology)**

1) Developed Power point presentations for the courses taught by me for clear content delivery and easy understanding of the concept / symptoms / modification of an insect.
2) Imparted hands on training to students in dissection of insects to understand the internal morphology, location and appearance of different organs.
3) Arranged field trips for the students to nearby fields to show the symptoms caused by the pests and their nature of damage.
4) Class seminars were made compulsory so as to enable students in developing presentation skills and reduce the stage fear.
5) Collection and preparation of lifecycles were made mandatory to have hands on skill in rearing and mounting the insects.

**B) Dr J. Krishna Prasadji, Professor & Head (Plant Pathology)**

1) Prepared laboratory manual for Course Path 271: Principles of Plant Pathology
2) Prepared study material for Course Path 271: Principles of Plant Pathology
3) Prepared study material for Course Path 372: Diseases of horticultural crops and their management
4) Guided two students as major advisor and one student as minor advisor successfully to Ph. D degrees.
5) Guided two students as major advisor and four students as minor advisor successfully to M. Sc (Ag) degrees.

**C) Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)**

1) Handled all the courses offered by the Department of Agricultural Economics of Agricultural College, Rajamahendravaram and achieved the best results.
2) Concentrating more on 'Black Board'teaching (as it is being very much accepted & acclaimed by the students) in explaining the various concepts.Using charts and power point presentations where ever necessary.
3) Initiated the system of informing students' academic performance to their parents regularly at the end of each semester.
4) Prepared the students of Agricultural College, Rajamahendravaram for P.G. Entrance Examination of ANGRAU and they secured a very good percentage seats.
5) Guided the students of Agricultural College, Rajamahendravaram for ICAR-JRF examination in General Agriculture, Social Science and Agribusiness Management divisions and many students got admission in prestigious Agricultural Universities. In the ICAR-JRF, 2018 Examination, one student of Agricultural College, Rajamahendravaram secured all India 8$^{th}$ rank in Agribusiness Management and joined in PJTSAU, Hyderabad and awarded JRF scholarship. Some students of this College secured admission in prestigious ABM institutes like NIAM-Jaipur, NAARM-Hyderabad and IRMA-Ananad.

**D) Dr. D. Srinivas, Professor and Head (SS&AC)**

1) Taught lessons using audio-visual aids
2) Imparted skills to the students particularly in the analysis of soil samples and water samples and interpretation of results.
3) Imparted hands on training

**E) Dr. M.Vijay Sankar Babu, Professor (Soil Science and Agricultural Chemistry)**

1) Soil test based integrated plant nutrient management with special emphasis to Phosphorus and Potassium
2) INM involving secondary and micronutrients in groundnut and castor
3) Nutrient efficient microbial isolates as substitutes to chemical fertilizers particularly P and K and Enhancing the availability of phosphorus and potassium by application of microbial consortia in rainfed crops
4) Effective methods of converting agricultural waste management for nutrient recycling
5) Diagnosis and correction of nutritional disorders in farmer fields
6) Problem soils management
7) Nutrient management in paddy nurseries due to usage of poor quality water
8) Organic farming in dryland agriculture
9) P fractionation studies with the application of P fertilizer along with organics
10) Conducting awareness programmes to the farmers, extension personnel, NGOs and Agriculture department staff through trainings, radio talks, TV programmes on Soil Test Based Fertilizer application for P and K nutrients, Integrated Nutrient Management, balanced fertilization, maintenance of soil health etc.,

11) Analysed as many as 4000 + soil samples from the farmers and gave recommendation for judicious use of P based on soil test values and saving to an extent of Rs.25 crores per year in Anantapur district alone on P and K fertilizer cost.

**F) Number of training programmes organized along with details**

| *Year* | *Details of Training program/ course* | *Duration of the program/ course (Days/weeks)* | | | *Manager or Coordinator or Director/Associate or Coordinator or Co-director* |
|---|---|---|---|---|---|
| | | *From (date)* | *To (date)* | *Total period* | |
| **Dr. Ch.V. Narasimha Rao, Professor (Entomology)** | | | | | |
| 2015 | Rodent Pest Management in Cocoa and other Plantation Crops at Ravulapalem | 29.03.2015 | 31.03.2015 | 3 days | Co-Ordinator |
| 2016 | Rodent Pest Management in Cocoa and other Plantation Crops at ITDA, Rampachodavaram | 25.02.2016 | 27.02.2016 | 3 days | Co-Ordinator |
| **Dr. K.M. Dakshina Murthy, Associate Professor (Agronomy)** | | | | | |
| 2015 | Global Scale Crop Modeling using high performance computing (HPC) | 19th Jan-23 Jan 2015 at ICRISAT | 23rd Jan 2015 | 5 days | Co-Director |
| 2015 | Short course on cropping system models | 23rd March 2015, ICRISAT | 27th March 2015 | 5 days | Co-Director |
| 2015 | 2nd Global scale crop modeling using high performance computing (HPC) | 20th April-24th April 2015 ICRISAT | 24th April, 2015 | 5 days | Co-Director |
| 2017 | Integrating systems modelling tools to support the scaling of climate smart agriculture in semi-arid regions | 3-05-2017 ICRISAT | 5th May, 2017 | 3 days | Coordinator |
| 2017 | APSIM Training workshop- Center for Dry Land Agriculture Bayero University Kano, Nigeria | 4th Dec 2017 | 8th Dec 2017 | 5 days | Co-Director |

| *Year* | *Details of Training program/ course* | *Duration of the program/ course (Days/weeks)* | | | *Manager or Coordinator or Director/Associate or Coordinator or Co-director* |
|---|---|---|---|---|---|
| | | *From (date)* | *To (date)* | *Total period* | |
| **Dr. P. Ammaji, Associate Professor (Agronomy)** | | | | | |
| 2015 | Telangana Yuva rythu saagubadi- A certificate course for the young farmers of Telangana state. | 17-01-15 | 27-03-15 | 70 days | Co- director |
| **Dr. K. Ravi Kumar, Assistant Professor(Horticulture)** | | | | | |
| 2017 | Package of practices in pomegranate | 26.11.17 | 26.11.17 | 1 day | Programme Co-ordinator, KVK, Utukur, Kadapa |
| 2017 | Role of biofertilizers in horticultural crops | 19.12.17 | 19.12.17 | 1 day | Programme Co-ordinator, KVK, Utukur, Kadapa |
| 2019 | Integrated pest management practices in chilli | 29.01.19 | 29.01.19 | 1 day | Programme Co-ordinator, KVK, Utukur, Kadapa |
| 2019 | Animal health camp | 11.09.2019 | 11.09.2019 | 1 day | Programme Co-ordinator, KVK, Utukur, Kadapa |
| 2019 | Environmental awareness programme cum plantation drive | 17.09.2019 | 17.09.2019 | 1 day | Programme Co-ordinator, KVK, Utukur, Kadapa |
| 2019 | Protected cultivation of horticultural crops | 24.10.2019 | 24.10.2019 | 1 day | Programme Co-ordinator, KVK, Utukur, Kadapa |
| **Dr. Ch. Syam Raj Naik, Professor & Head (Crop Physiology)** | | | | | |
| 2013 | Brain Storming Session on the development of location specific R & D demonstration for SC-ST sub-plan | 12.4.2013 | 12.4.2013 | 1 day | Coordinator |

**G) Number of training programmes attended along with details (More than one week only)**

| *S.No* | *Period* | | *Duration* | *Name of the training* | *Organized By* |
|---|---|---|---|---|---|
| | *From* | *To* | | | |
| **Dr. S. Dayakar, Professor & Head (Entomology)** | | | | | |
| 1 | 21.04.2020 | 9.06.2020 | 8 weeks | Integrated Pest Management | agMOOCS , IIT Kanpur and UAS, Raichur |
| **Dr. S. Krishnam Raju, Professor (Plant Pathology)** | | | | | |
| 1 | 01.6.2015 | 15.6.2015 | 14 days | International training programme on "Regional plant health systems analysis" | National Institute of Plant Health management (NIPHM), Hyderabad |
| 2 | 26.11.2015 | 16.12.2015 | 21 days | Advance training on Agricultural mechanization at RARS, Maruteru | Kubota farm and Industrial Machinary Services Ltd., Japan |
| 3 | 27.01.2016 | 30.01.2016 | 4 days | Master trainers training programme on "Organic farming" | SAMETI, Hyderabad |
| **Dr. M. Ramabhadra Raju, Associate Professor (Plant Pathology)** | | | | | |
| 1 | 26.09.2016 | 16.10.2016 | 21 | Fungal diversity and modern trends in taxonomy through DNA barcoding and chemoprofiling | Centre of advanced faculty training, Division of plant pathology, ICAR, New Delhi |
| 2 | 03.10.2016 | 02.11.2016 | 30 | Teaching excellence through distance mode | ICAR – National Academy of Agricultural Research Management, Rajendranagar, Telengana |
| 3 | 13.02.2019 | 22.02.2019 | 10 | Application of molecular epidemiology and simulation modeling for plant disease management | Department of Plant Pathology, Punjab Agricultural University, Ludhiana, Punjab-141 004 |

| S.No | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|
| | From | To | | | |
| **Dr. P. Ammaji, Associate Professor (Agronomy)** | | | | | |
| 1 | 03.12.2015 | 23.12.2015 | 21 days | Multiple crop modeling to improve resource use efficiency in Agriculture under changing climatic conditions | Agro climatic research Centre, Rajendranagar PJTSAU, Rajendranagar |
| 2 | 03.12.2018 | 12.12.2020 | 10 days | Recent advances in adoption and management strategies for sustainable oilseed production under climate Change scenario | ICAR-IIOR |
| **Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)** | | | | | |
| 1. | 04.06.2018 | 08.06.2018 | One week | WTO and its implications in Agriculture" 2018 | MANAGE, Hyderabad. |
| 2. | 13.11.2018 | 03.12.2018 | 21 days | ICAR-Winter School on "Soft and Entrepreneurial Skills for Development of Agricultural Sciences | Institute of Agribusiness Management SKRAU, Bikaner, Rajasthan. |
| 3. | 12.12.2019 | 21.12.2019 | 10 days | ICAR short course on "Entrepreneurship development through agro/food processing centers" | Central Institute of Agricultural Engineering, Regional Centre, and Coimbatore. |
| **Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)** | | | | | |
| 1 | 23.11.2015 | 02.12.2015 | 10 days | Short course on micro irrigation and fertigation technology for enhancing the input use efficiency | VNMKV, Parbhani, Maharashtra |
| 2. | 10.01.2017 | 30.01.2017 | 21 days | Winter school training programme on: Spatial Decision Support Systems for Watershed Management | UAS, Vijayapura, Karnataka |
| 3. | 03.12.2019 | 23.12.2019 | 21 days | Geographical Information System (GIS) approach in Soil Water and Plant Health management. | NIPHM, Hyderabad |

| S.No | Period | | Duration | Name of the training | Organized By |
|---|---|---|---|---|---|
| | From | To | | | |
| **Dr. K. Ravi Kumar, Assistant Professor (Horticulture)** | | | | | |
| 1 | 10.03.2018 | 10.04.2018 | 30 days | Foundation Course for Faculty of Agricultural Universities | NAARM, Hyderabad |
| **Dr. B. Spandana, Assistant Professor (Molecular Biology & Biotechnology)** | | | | | |
| 1 | 25-7-2018 | 14-8-2018 | 21 days | Biotechnological interventions to enhance crop productivity under stress conditions | ICAR-CAFT |
| **Dr.G.Ramesh, Assistant Professor (SMCA)** | | | | | |
| 1 | 3.06.2020 | 9.06.2020 | 7 days | Research and Development | Tirumala Engineering College Narasarao pet,GUNTUR |

**H) Preparation of the instructional material (Practical manual, RAWEP/ AELP/ PAMP/ PSPPmanual)**

| Year | Details of the instructional material | First time/revision | First/Second/other contributor |
|---|---|---|---|
| **Dr. S. Dayakar, Professor & Head (Entomology)** | | | |
| 2019 | Internship / In-Plant Training / Industrial Attachment programme Manual – 2019 | First time | Other Contributor |
| 2016 | ENTO 131 Course material and Lab manual | Revised as per V deans committee recommendations | Other contributor |
| 2017 | ENTO 231 Course material and Lab manual | Revised as per V deans committee recommendations | |
| 2018 | ENTO 331 course material and Manual | Revised as per V deans committee recommendations | |
| **Dr. Ch.V. Narasimha Rao, Professor (Entomology)** | | | |
| 2018-19 | ELCT 334- Agrochemicals | First time | Second |
| 2019-20 | ENTO 332 (NS)- Pests of Horticultural crops and their management & Beneficial insects | First time | First |

| | | | |
|---|---|---|---|
| **Dr. P. Ammaji, Associate Professor (Agronomy)** | | | |
| 2016 | Practical manual on weed management | First time | First author |
| 2020 | Practical manual on introductory Agro meteorology and climate change | First time | Second author |
| **Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)** | | | |
| 2018 | Practical Manual for the course AECO-241, Agricultural Finance & Cooperation. | First time | Third Contributor |
| 2018 | Practical Manual for the course AECO-242, Agricultural Marketing, Trade and Prices. | First time | Third Contributor |
| **Dr. S.V. Bhavani Prasad, Professor & Head (GPBR)** | | | |
| 2018 | Managing Director of ELP Sweet corn production un it | | |
| 2019 | Managing Director of ELP Sweet corn production un it | | |
| **Dr. B. Spandana, Assistant Professor (Molecular Biology & Biotechnology)** | | | |
| 2019 | BICM100 Fundamentals of plant biochemistry and biotechnology practical manual | First time | Second |
| **Dr. D. Srinivas, Professor and Head (SS&AC)** | | | |
| 2018 | Practical manual on Manures, fertilizers and soil fertility management -SSAC -221 | First time | First |
| 2018 | Practical manual on Fundamentals of biochemistry and biotechnology –BICM-101 | First time | First |
| 2019 | Practical Manual on Agrochemicals-ELCT 334 | First time | First |
| 2019 | Practical manual on Problematic soils and their management – SSAC -321 | First time | First |
| **Dr. Ch. Syam Raj Naik, Professor & Head (Crop Physiology)** | | | |
| 2019 | Officer in-charge for student internship programme | First | First |
| **Dr.G.Ramesh, Assistant Professor (SMCA)** | | | |
| 2015 | Practical manual to the course No.STCA.301, entitled Introduction to Computer Applications. | Revision | First |
| 2017 | Practical manual to the course No.SMCA.101, entitled Elementary Mathematics. | First time | First |

| *Year* | *Details of the instructional material* | *First time/revision* | *First/Second/other contributor* |
|---|---|---|---|
| 2018 | Practical manual to the course No.SMCA.201, entitled Statistical Methods. | Revision | First |
| 2020 | Practical manual to the course No.SMCA.301, entitled Agricultural Informatics | First time | First |
| **Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)** | | | |
| 2015-16 | Lecture outlines, Recommendations for ICAR VthDeans Committee, NewDelhi. | First time | First |
| CIVE 161 | Surveying and Leveling –I (Lab Manual) | First | First |
| CIVE 164 | Surveying and Leveling –II (Lab manual) | First | First |

**I) Preparation of course material for ODLC programme/trainingmanuals**

| *Year* | *Details of the programme* | *First time/revision* | *Sole or first/ Associate editor* |
|---|---|---|---|
| **Dr. D. Srinivas, Professor and Head (SS&AC)** | | | |
| 2018 | Manures, fertilizers and soil fertility management- SSAC -221 | First time | Sole |
| 2019 | Problematic soils and their management- SSAC 321 | First time | Sole |
| 2020 | Geoinformatics and Nanotechnology for Precision farming- AGRO-301 | First time | Sole |
| **Agricultural Polytechnic courses** | | | |
| 2016 | DOF -121 (Diploma in organic farming) | First time | Sole |
| **Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)** | | | |
| 2015-16 | AGST 322 - Design and costing of soil and water conservation and irrigation structures | First time | Other |

**J) Radio programmes/TV programs/Phone-in-live radio/TV**

| *Year* | *Nature and title of the programme* | *Agency/ channel* | *Date of recording/ broadcasting/ telecast* |
|---|---|---|---|
| **Dr. S. Dayakar, Professor & Head (Entomology)** | | | |
| 2016 | Mokka jonna lo samagra sasyarakshan (Interview) | All India Radio, Visakha Patnam | 20.01.2016 |
| 2016 | Kandi nasinche Kaya tolachu purugulu Samagra Sasya rakshana | All India Radio, Visakha Patnam | November, 2016 |
| 2017 | Mamidi kayala nasinche purugulu Yajamanyam | All India Radio, Visakha Patnam | April, 2017 |
| 2017 | Aparalapantalanasinche Purugulu – Yajamanyam | All India Radio, Visakha Patnam | 30.08.2017 |
| 2018 | Management of Insect Pests of Mango and Cashew Nut | All India Radio, Visakha Patnam | 17.04.2018 |
| 2018 | Patti pantanasinche purugulu samagra sasya rakshana | All India Radio, Visakha Patnam | 15.10.2018 |
| 2019 | Varilo anusarincha dagga sedhya mariyu Yantrika padhatula tho purugula yajamanyam | All India Radio, Visakha Patnam | 11.02.2019 |
| 2015 | Management of *Spodoptera litura* in tobacco nursery | E TV , Annadata | 8.11.2015 |
| 2016 | Precautions to be taken during spraying of insecticides | E TV , Annadata | 22.2.2016 |
| 2016 | Snail problem in crops and their management | E TV , Annadata | 2.11.2016 |
| 2020 | Precautions to be taken by the farmers in the wake of Corona- interview | E TV , Annadata | 03.05.2020 |
| 2020 | Locust problem in crops and its management in India- interview | E TV , Annadata | 04.06.2020 |
| **Dr. Ch.V. Narasimha Rao, Professor (Entomology)** | | | |
| 2015 | Rodent Pest Management in Rice | AIR, Visakhapatnam. | 16.10.2015 at 7.15 PM |
| 2015 | Management of early shoot borer in rainfed sugarcane | Doordarsan (Saptagiri) | 10.07.2015 at 5.30 PM |
| 2015 | Rodent Pest Management | Doordarsan (Saptagiri) Phone – in –Live | 01.09.2015 at 5.30 PM |
| 2015 | Scale Insect Management in Sugarcane | ETV Annadatha | 25.10.2015 at 6.30 AM |
| 2015 | Rodent Pest Management | Doordarshan (Saptagiri) | 09.11.2015 at 6.00 PM 02.12.2015 at 6.00 PM |

| | | | |
|---|---|---|---|
| 2015 | Rodent Pest Management | ETV Annadatha | 16.11.2015 at 6.30 AM |
| 2015 | Sugarcane Pest Management | ETV Annadatha | 26.12.2015 at 6.30 AM. |
| 2016 | Rodent Pest Management in Summer | AIR, Visakhapatnam. | 18.04.2016 at 7.15 PM |
| 2016 | Rodent Pest Management in Kharif Paddy | AIR, Visakhapatnam | 10.08.2016 at 7.15 PM |
| 2016 | Vividha Pantalalo Purugula Nivaranaku Jeeva Niyantrana Paddathulu | AIR, Visakhapatnam | 23.12.2016 |
| 2016 | Early Shoot Borer Management in Sugarcane | Doordarshan (Saptagiri) | 18.01.2016 at 6.00 PM |
| 2016 | Rat Management in Rabi Paddy | ETV Annadatha | 21.01.2016 at 6.30 AM |
| 2016 | Early Shoot Borer Management in Sugarcane | ETV Annadatha | 29.02.2016 at 6.30 AM 26.03.2016 at 6.30 AM |
| 2016 | Varilo Yelukula Nivarana | Doordarshan (Saptagiri) Phone-in-live | 22.03.2016 at 5.30 PM 23.03.2016 at 6.30 AM |
| 2016 | Internode Borer Management in Sugarcane | Doordarshan (Saptagiri) | 03.05.2016 at 5.30 PM 03.05.2016 |
| 2016 | Rodent Pest Management in Rice | Doordarshan (Saptagiri) | 23.06.2016 at 7.00 AM |
| 2016 | Integrated Rodent Pest Management in Rice | ETV Annadatha | 26.06.2016 at 6.30 AM |
| 2016 | Integrated Insect Pest Management in Sugarcane for the Current Season | ETV Annadatha | 24.06.2016 at 6.30 AM |
| 2016 | Integrated Rodent Pest Management in Rice | ETV Annadatha | 26.06.2016 at 6.30 AM. |
| 2016 | Insect Pest Management in Sugarcane | ETV Annadata | 10.09.2016 at 6.30 AM |
| 2016 | Rodent Pest Management In Horticultural Crops | DD Saptagiri | 27.09.2016 at 6.30 AM |
| 2016 | Rodent Pest Management in Horticultural Crops | DD Saptagiri | 27.09.2016 at 6.30 AM |
| 2016 | Rodent Pest Management in Cocoa | ETV Annadata | 06.10.2016 at 6.30 AM |
| 2016 | Root grub management in sugarcane | ETV Annadata | 05.11.2016 at 6.30 AM |
| 2016 | Rodent Pest Management in Cocoa | ETV Annadata | 16.11.2016 at 6.30 AM |

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|---|---|---|---|
| 2016 | Early shoot borer management in sugarcane | ETV Annadata | 18.12.2016 at 6.30 AM |
| 2017 | Scale insect management in sugarcane | ETV Annadata | 20.01.2017 at 6.30 AM |
| 2017 | Early shoot borer management | ETV Annadata | 16.02.2017 at 6.30 AM |
| 2017 | Kharif Varilo elukala nivarana | AIR, Visakhapatnam | 13.07.2017 at 7.15 PM |
| 2018 | Rabi Varilo Yelukula Nivaraṇa | AIR, Visakhapatnam | 05.01.2018 at 7.15 PM |
| 2017 | Rodent Pest Management in Rice and Coconut | ETV Annadata | 10.08.2017 at 6.30 am |
| 2017 | Management of Early Shoot Borer and Scale Insect in Sugarcane | ETV Annadata | 10.11.2017 at 6.30 AM |
| 2018 | Kharif varilo yelukala nivarana | AIR, Visakhapatnam | 31.07.2018 at 7.15 PM |
| 2019 | Vividha pantalalo yelukala yajamanyam | AIR, Visakhapatnam | 08.03.2019 at 7.15 PM |
| 2018 | Early shoot borer management in sugarcane | ETV Annadata | 6.30 AM 25.06.2018 |
| 2018 | Biological control in sugarcane | Dooradharshan | 5.30 PM 13.07.2018 |
| 2019 | Rodent Pest Management in Rice | Saptagiri (DD) | 6.00 PM 10.01.2019 |
| 2019 | Kharif varilo yelukala nivaranaku karyacharana padhakam | AIR, Visakhapatnam | 06.09.2019 at 7.15 PM |
| 2020 | Rabi varilo yelukala samagra yajamanyam | AIR, Visakhapatnam | 23.01.2020 at 7.15 PM |
| **Dr. S. Krishnam Raju, Professor (Plant Pathology)** | | | |
| 2015 | Sarva varini aasinchu tegullu-Yajamanyam | All India Radio, Vijayawada | 24.06.2015 |
| 2015 | Varini aasinche tegullu-samagra yajamanyam | All India Radio, Vijayawada | 22.12.2015 |
| 2017 | Rabi pantalalo tegulla Yajamanyam | All India Radio, Vijayawada | 17.11.2017 |
| 2018 | Sarva pantalalo vache tegulla nivarana” | Doordarshan Kendra, Vijayawada | 24.09.2018 |
| **Dr. M. Ramabhadra Raju, Associate Professor (Plant Pathology)** | | | |
| 2015 | Tegulla Yajamanyam lo melukulu | DD (Television) | 28.09.2015 |
| 2015 | Narumadilo tesukovalasina Jagrathalu | ETV | 01.10.2015 |
| 2016 | Rabi aparalalo tegulla Yajamanyam | All India Radio, Vijayawada | 07.01.2016 |

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|---|---|---|---|
| 2016 | Vividaha pantallo adhika varshala valla vache tegulla samasyalu – Vati Yajamanyam | All India Radio, Vijayawada | 05.08.2016 |
| 2016 | Aparallo putha samyam lo vache tegulla samasyalu – vati Yajamanyam | All India Radio, Vijayawada | 25.12.2016 |
| 2017 | Vesavi mariyu tholakarilo vivida pantallo tegullunu niyanthiranchadaniki tesukovalasina jagrathalu | All India Radio, Vijayawada | 30.04.2017 |
| **Dr. P. Munirathnam, Professor & Head (Agronomy)** | | | |
| 2019 | DalvaVariloAdhikadigubadikimelakuvalu | DD, Vijayawada | 18.02.2019 |
| 2020 | Verusanagaloadhikidigubadikimelainayaja manyapadhatulu | AIR, Kadapa | 21.01.2020 |
| **Dr. P. Ammaji, Associate Professor (Agronomy)** | | | |
| 2015 | Prastuta pantallo rythulu teesukoovalasina jagarthalu- Live | All India Radio, Hyderabad | 05.02.2015 |
| 2015 | Zero tillage paddati loo mokkajonna saagu | All India Radio, Hyderabad | 08.03.2015 |
| 2015 | Prastuta pantallo rythulu teesukoovalasina jagarthalu-soochanalu- Live | All India Radio, Hyderabad | 30.04.2015 |
| 2015 | Rabi nune ginjala saagu- Interview | All India Radio, Vijayawada | 06.11.2015 |
| 2016 | Rabi pantalaloo rasaayanalatoo kalupu nivarana | All India Radio, Vijayawada | 20.11.2016 |
| 2017 | Mishrama mariyu sameekrutha vyavasaya vidhanam | All India Radio, Vijayawada | 18.11.2017 |
| 2018 | Samagra vyavasayam pradanayatha | All India Radio, Vijayawada | 11.08.2018 |
| **Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)** | | | |
| 2015 | Pula Uthpatthilo Yajamanya Paddathulu-Marketing Vidhanam | All India Radio, Visakhapatnam | 02.02.2015 |
| 2015 | Pradhanamantri Jan DhanYojana( PMJDY) &PradhanamantriSurakshaBhimaYojana (PMSBY) | All India Radio, Visakhapatnam | 18.05.2015 |
| 2015 | Pantala Bhima Padhakam | All India Radio, Visakhapatnam | 26.10.2015 |
| 2016 | Vividha Rakala Vyavasaya Runalu Andhinchutalo Vittha Samsthala Patra | All India Radio, Visakhapatnam | 21.05.2016 |
| 2016 | Pradhan Mantri Pantala Bhima Pathakam | All India Radio, Visakhapatnam | 06.09.2016 |
| 2017 | Jatiya Vyavasaya Vipani Pradhana Mantri Krishi Sinchayi Yojana. | All India Radio, Visakhapatnam | 27.03.2017 |
| 2017 | Raithula Vyavasya Abhivruddiki Kendra Rastra Prabhuthwalu and istunna subsidies | All India Radio, Visakhapatnam | 04.09.2017 |

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|---|---|---|---|
| 2018 | Pantala Bhima Yokka Avasyakatha. | All India Radio, Visakhapatnam | 02.08.2018 |
| 2019 | Vividha Rakala Vyavasaya Runalu Andhinchutalo Vittha Samsthala Patra | All India Radio, Visakhapatnam | 11.03.2019 |
| 2020 | Panatala Bhima Pathakam- Avsyakatha | All India Radio, Visakhapatnam | 22.02.2020 |
| **Dr. P.L.R.J.Praveena, Professor & Head (Agricultural Extension)** | | | |
| 2018 | Sustainable agriculture and role of farmers | All India Radio, Tirupati | 24-4-2018 /26-4-2018 |
| **Dr. K. Ravi Kumar, Assistant Professor (Horticulture)** | | | |
| 2018 | Aratilo yajamanya Paddatulu | All India Radio, Kadapa | 18.02.18 |
| 2018 | Rabi pantalalo yajamanyam | All India Radio, Kadapa | 30.08.18 |
| 2018 | Live phone in programme | All India Radio, Kadapa | 02.10.18 |
| 2018 | Live phone in programme | All India Radio, Kadapa | 27.11.18 |
| 2019 | Rabi pantalalo yajamanyam | All India Radio, Kadapa | 23.01.19 |
| 2019 | Mamidilo pootha mariyu pinde raluta & Vesavilo vividha pantalalo yajamanya padhatulu | All India Radio, Kadapa | 26.02.19 |
| 2019 | Live phone in programme | All India Radio, Kadapa | 26.03.19 |
| 2019 | Live phone in programme | All India Radio, Kadapa | 17.09.19 |
| **Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)** | | | |
| 2020 | Vyavasam lo Yantrikarana | All India Radio, Visakhapatnam | 20-02-2020 |
| **Dr. B. Spandana, Assistant Professor (Molecular Biology & Biotechnology)** | | | |
| 2016 | Vyavasayam lo janyu marpidi pantala patra | All India Radio, Visakhapatnam | 28-12-2016 |
| 2018 | Aratilo kanajala vardanam dwara saagu | All India Radio, Visakhapatnam | 12-09-2018 |
| 2019 | Theepi mokka jonna saagu | All India Radio, Visakhapatnam | 13-12-2019 |
| **Dr. D. Srinivas, Professor & Head (SS & AC)** | | | |
| 2015 | Sagubhoomulalo sendriya adartha pynilavaku teesikovalasina jagrattalu | All India Radio, Visakhapatnam | 04.02.2015/06.12.2015 |
| 2016 | Vividhapantalallosukhshamalopalanivarana | All India Radio, Visakhapatnam | 30.12.2015/02.01.2016 |

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|---|---|---|---|
| 2016 | Soil health cards pramukyata | All India Radio, Visakhapatnam | 04.07.2016/07.07.2016 |
| 2016 | Sendriya Vyavasayam-paddhtulu – melakuvalu | All India Radio, Visakhapatnam | 16.11.2016/09.11.2016 |
| 2017 | Bhusarapareeksha –Padhatulu-Phalithalaviseleshana | All India Radio, Visakhapatnam | 04.04.2017/07.04.2017 |
| 2017 | Sendriyakarbanam nilavalupenchukonu takusoochanulu | All India Radio, Visakhapatnam | 01.11.2017/03.11.2017 |
| **Dr.Ch. Syam Raj Naik, Professor & Head (Crop Physiology)** | | | |
| 2018 | Udyana pantalalo boron dhatu pramukyata lopa nivarana paddatulu | All India Radio, Visakhapatnam | July, 2018 |
| 2018 | Rabi vari sagulo sukshma poshakala pradhanyam, nivarana paddatulu | All India Radio, Visakhapatnam | Sept., 2018 |
| **Dr.G.Ramesh, Assistant Professor (SMCA)** | | | |
| 2017 | Vyavasayam lo Ganankala pramukhyata | All India Radio, Visakhapatnam | 26.05.2017 |
| 2017 | Vathavarana prabhavam valana vyavasayam lo Ganankala Abhirurdhi | All India Radio, Visakhapatnam | 21.12.2017 |
| 2019 | Vyavasayam lo aadunika sankethika parijnanani rythulaku cheraveyadam lo e-vistarana pramukyatha and vyavasaya samachara prasara sadanalu | All India Radio, Visakhapatnam | 27.09.2019 |

K) **Student study tours**

| ***Year*** | ***Semester*** | ***Name of the college*** | ***Details of batch of students*** | ***Details of the tour (South India, North India etc.)*** |
|---|---|---|---|---|
| **Dr. S. Krishnam Raju, Professor (Plant Pathology)** | | | | |
| 2020 | I Semester 2019-20 | Agricultural College, Rajamahendravaram | III year B.Sc (Hons) Agriculture 2017 batch students from 22.01.2020 to 01.02.2020 | South India |
| **Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)** | | | | |
| 2008 | Second | Agricultural College, Aswaraopet | 2005 B.Sc. (Hort.) | South India Tour from 21.05.2008 to 20.062008 |
| 2018 | Second | Agricultural College, Rajamahendravaram | 2015 B.Sc.(Ag.) & 2016 B.Sc. (Hons) Agriculture | Visit to Pattiseema&Polavaram Projects on 01.06.2018 |

| *Year* | *Semester* | *Name of the college* | *Details of batch of students* | *Details of the tour (South India, North India etc.)* |
|---|---|---|---|---|
| 2018 | Second | Agricultural College, Rajamahendravaram | 2017 B.Sc.(Hons) Agriculture | Visit toPattiseema&Polavaram Projects and HRS, Kovvuru on 15.06.2018. |
| 2019 | First | Agricultural College, Rajamahendravaram | 2018 B.Sc.(Hons)Agriculture | Visit to Dr.Y.S.R.H.U, Venkataramannagudem 20.11.2019 |
| **Dr. P.L.R.J.Praveena, Professor & Head (Agricultural Extension)** | | | | |
| 2018 | Second | S.V.Agricultural College, Tirupati | II B.Sc.(Hons) Agriculture students (170 students) | Research stations and agri based industries in the Zone |
| 2019 | Second | S.V.Agricultural College, Tirupati | M.Sc.(Ag) I year students of Department of Agricultural Extension and Agricultural Economics | South India tour |
| **Dr. B. Spandana, Assistant Professor (Molecular Biology & Biotechnology)** | | | | |
| 2020 | First | Agricultural college, Rajahmundry | III year B.Sc (Hons) Agrl 2017 batch | South India tour |

**L) Involvement in activities related to RAWEP/Internship, PAMP/PSPP/ELPetc.**

| *Year* | *Semester* | *Details of Activity* | *Place of operation* |
|---|---|---|---|
| **Dr. S. Dayakar, Professor & Head (Entomology)** | | | |
| 2019-20 | I | ELP- External evaluation committee member | Agricultural College, Rajamahendravaram |
| 2019-20 | II | ELP- Internal evaluation committee member, Sweet corn Production unit | Agricultural College, Rajamahendravaram |
| **Dr. Ch.V. Narasimha Rao, Professor (Entomology)** | | | |
| 2016-17 | I | Principal Representative, RAWEP Internship | Yeleswaram, Jaggampeta and Prathipadu Mandals, East Godavari Dt. KVK, Kalavacharla. |
| 2019-20 | I | Principal Representative, RAWEP Internship (Backlog) | Peddapuram, Kirlampudi, Jaggampeta, Mandals, East Godavari Dt. KVKs, Kalavacharla, Undi |

| *Year* | *Semester* | *Details of Activity* | *Place of operation* |
|---|---|---|---|
| **Dr. S. Krishnam Raju, Professor (Plant Pathology)** | | | |
| 2018 | I | External evaluation of ELP and challengingTask (Backlog) | Agricultural College, Naira |
| 2018 | II | External evaluation of ELP and challengingTask | Agricultural College, Naira |
| 2019 | I | External evaluation of RAWEP records | Agricultural College, Naira |
| 2019 | I | Evaluation of student READY programme | Agricultural College, Rajamahendravaram |
| 2019 | I | Internship evalution | Agricultural College, Rajamahendravaram |
| 2019 | II | Internal evaluation of ELP | Agricultural College, Rajamahendravaram |
| 2019 | II | Managing Director to Fruit & Vegetable production EL Unit | Agricultural College, Rajamahendravaram |
| **Dr. M. Ramabhadra Raju, Associate Professor (Plant Pathology)** | | | |
| 2015-16 | I | RAWEP – Principal's Representative | DAATTC Eluru, West Godavari district |
| | II | Agricultural Experiential learning programme (AELP) – Chairman, Vegetable production unit | Katheru farm, Agricultural College, Rajamahendravaram |
| 2016-17 | I | RAWEP – Principal's Representative | DAATTC Eluru, West Godavari district |
| 2017-18 | I | RAWEP – Principal's Representative | DAATTC Kakinada, East Godavari district |
| | II | PAMP – Supervisor – Sweet corn unit | Agricultural Polytechnic, Rampachodavaram |
| 2018-19 | I | RAWEP – Principal's Representative (one month) | DAATTC Kakinada, East Godavari district |
| | II | ELP, Vegetable and Fruit Production EL Unit – Manager | Katheru farm, Agricultural College, Rajamahendravaram |
| 2019-20 | I | ELP, Vegetable and Fruit Production EL Unit – Manager | Katheru farm, Agricultural College, Rajamahendravaram |
| | II | ELP, Vegetable and Fruit Production EL Unit – Manager | Katheru farm, Agricultural College, Rajamahendravaram |
| | II | RAWEP – Principal's Representative | DAATTC, KVK Undi, West Godavari district |

| *Year* | *Semester* | *Details of Activity* | *Place of operation* |
|---|---|---|---|
| **Dr. P. Ammaji, Associate Professor (Agronomy)** | | | |
| 2015 | II | Incharge for RAWEP for the students of B.Sc (CA & BM ) College of Agriculture, Rajendra nagar | Villages in Ranga Reddy (Dist.), Telangana state |
| 2015-16 | II | PAMP supervisor | Agril College farm, Katheru |
| 2015-16 | II | Pulses seed production- unit | AELP, Director Agril College farm, Katheru |
| 2016-17 | II | Sweet corn production unit –I | AELP, Director- Agril College farm, Katheru |
| 2017-18 | II | Bengal gram seed production | AELP, Director |
| 2018-19 | II | Seed production EL unit (Foundation seed production of paddy) MTU- 1156 | Manager, ELP |
| 2019-20 | I | Seed production EL unit (Breeder seed production of paddy) MTU-1153 | Manager, ELP |
| 2019-20 | II | Seed production EL unit (Breeder seed production of paddy) MTU-1153 | Manager, ELP |
| **Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)** | | | |
| 2017-18 | I | Discharged the duties of AD's representative of RAWEP. | Under DAATTC, Eluru. |
| 2014-15 | II | Finance & Marketing Advisor for four AELP units. | Katheru Farm, Agricultural College, Rajamahendravaram |
| 2015-16 | II | Finance & Marketing Advisor for two AELP units. | Katheru Farm, Agricultural College, Rajamahendravaram |
| 2016-17 | II | Finance & Marketing Advisor for two AELP units. | Katheru Farm, Agricultural College, Rajamahendravaram |
| 2017-18 | II | Finance & Marketing Advisor for two AELP units. | Katheru Farm, Agricultural College, Rajamahendravaram |
| 2018-19 | II | Finance & Marketing Advisor for two AELP units. | Katheru Farm, Agricultural College, Rajamahendravaram |
| 2019-20 | I | Finance & Marketing Advisor for four AELP units. | Katheru Farm, Agricultural College, Rajamahendravaram |
| 2019-20 | II | Finance & Marketing Advisor for four AELP units. | Katheru Farm, Agricultural College, Rajamahendravaram |

| *Year* | *Semester* | *Details of Activity* | *Place of operation* |
|---|---|---|---|
| **Dr. P.L.R.J.Praveena, Professor & Head (Agricultural Extension)** | | | |
| 2016 | II | As Senior Scientist (TOT) and Coordinator of DAATTC , was responsible for selection of villages and allotting host farmers to the students and monitoring the activities of the students and proper execution of the programmes | The students were placed in four villages of Peddapuram and Jaggampeta mandals |
| 2017 | II | As Senior Scientist (TOT), was responsible for selection of villages and allotting host farmers to the students and monitoring the activities of the students and proper execution of the programmes. | The students were placed in four villages of Peddapuram, Yeleswaram and Kirlampudi mandals. |
| **Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)** | | | |
| 2015-16 | II | Monitoring the students activities day to day in the programme of In-plant training for B. Tech (Ag. Engg.) students like RAWP | NIPHM, Hyderabad |
| **Dr. S.V. Bhavani Prasad, Professor & Head (GPBR)** | | | |
| 2018 | I | Managing Director to Sweet corn production EL Unit | College farm |
| 2018 | II | Managing Director to Sweet corn production EL Unit | |
| 2019 | I | Managing Director to Sweet corn production EL Unit | |
| **Dr. B. Spandana, Assistant Professor (Molecular Biology & Biotechnology)** | | | |
| 2016 | II | ELP Co director Vegetable Production | Katheru Farm |
| 2017 | II | ELP Director Sweet corn Production EL unit | Katheru Farm |
| 2018 | I | RAWEP PR | East Godavari dt |
| 2018 | II | ELP Director Sweet corn Production EL unit | Katheru Farm |
| 2019 | II | ELP Director Sweet corn Production EL unit | Katheru Farm |

| *Year* | *Semester* | *Details of Activity* | *Place of operation* |
|---|---|---|---|
| **Dr. Ch. Syam Raj Naik, Professor & Head (Crop Physiology)** | | | |
| 2019 | I | Internship | Conducted internship for final year B.Sc. (Hons) Agriculture in East Godavari district |
| **Dr. D. Srinivas, Professor and Head (SS&AC)** | | | |
| 2017-18 | II | Vermicompost production unit | Katheru farm, Agricultural College, Rajamahendravaram |
| 2018-19 | II | Vermicompost production unit | Katheru farm, Agricultural College, Rajamahendravaram |
| 2019-20 | I & II | Vermicompost production unit | Katheru farm, Agricultural College, Rajamahendravaram |
| 2019-20 | II | Internship (Officer-in-charge, Placement Cell) | Conducted online evaluation of internship for final year B.Sc. (Hons) Agriculture students |

**M) Editor/editorial committee member/referee for journals**

| *Year* | *Name of the Journal* | *Editor/editorial committee member/referee* | *Number of articles refereed* |
|---|---|---|---|
| **Dr. S. Dayakar, Professor & Head (Entomology)** | | | |
| 2015-16 | Tobacco research | Referee | 01 |
| 2017-18 | Tobacco research | Referee | 02 |
| 2018-19 | Tobacco research | Referee | 02 |
| **Dr. K.M. Dakshina Murthy, Associate Professor (Agronomy)** | | | |
| 2016 | NEMIS Journal of Agricultural Science | Referee | 1 |
| 2016 | Field Crops Research | Referee | 1 |
| 2016 | Environmental Science and Pollution Research | Referee | 1 |
| 2016 | Archives of Agronomy and Soil Science | Referee | 1 |
| 2016 | Agronomy Journal | Referee | 1 |
| 2016 | Journal of the Science of Food and Agriculture | Referee | 1 |
| 2016 | Journal of Integrative Agriculture (formerly Agricultural Sciences in China) | Referee | 1 |
| 2016 | Agronomy Journal | Referee | 1 |
| 2016 | Archives of Agronomy and Soil Science | Referee | 1 |
| 2016 | Agronomy Journal | Referee | 2 |
| 2016 | Journal of Integrative Agriculture (formerly Agricultural Sciences in China) | Referee | 1 |

| *Year* | *Name of the Journal* | *Editor/editorial committee member/referee* | *Number of articles refereed* |
|---|---|---|---|
| 2016 | Environmental Science and Pollution Research | Referee | 1 |
| 2016 | Paddy and Water Environment | Referee | 1 |
| 2016 | Agricultural Water Management | Referee | 1 |
| 2016 | Agronomy Journal | Referee | 1 |
| 2017 | Science of the Total Environment | Referee | 1 |
| 2017 | journal Agricultural Systems | Referee | 1 |
| 2017 | Paddy and Water Environment | Referee | |
| 2017 | Soil Science Society of America Journal | Referee | 1 |
| 2017 | Archives of Agronomy and Soil Science | Referee | 1 |
| 2017 | MOJ Ecology & Environmental Sciences | Referee | 1 |
| 2017 | Climatic Change | Referee | 1 |
| 2017 | Agronomy Journal | Referee | 1 |
| 2018 | Science of the Total Environment (STOTEN) | Referee | 1 |
| 2018 | Agricultural Water Management | Referee | 1 |
| 2018 | Journal of EarthSystem Science | Referee | 1 |
| 2018 | Agricultural Water Management | Referee | 1 |
| 2018 | Climatic Change | Referee | 1 |
| 2018 | Agricultural Water Management | Referee | 1 |
| 2018 | Rice Science | Referee | 1 |
| 2018 | Environmental Scienceand Pollution Research | Referee | 1 |
| **Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)** | | | |
| 2018 | Indian Society of Tobacco Science Journal– CTRI, Rajamhendravarm, 'Tobacco Research | Referee' | One |
| 2019 | Indian Society of Tobacco Science Journal– CTRI, Rajamhendravarm, 'Tobacco Research' | Referee | One |
| **Dr. P.L.R.J.Praveena, Professor & Head (Agricultural Extension)** | | | |
| 2018 | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| 2019 | Mysore Journal of Agriculture | Referee | 1 |
| 2019 | Journal of Farm Sciences | Referee | 1 |
| 2019 | Andhra Pradesh Journal of Agricultural Sciences | Referee | 2 |
| **Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)** | | | |
| 2016-17 | International Journal of Agriculture Sciences (Bioinfo Publications) | Referee | 01 |
| 2019-20 | International Journal of Agriculture Sciences (Bioinfo Publications) | Referee | 02 |

| *Year* | *Name of the Journal* | *Editor/editorial committee member/referee* | *Number of articles refereed* |
|---|---|---|---|
| **Dr. D. Srinivas, Professor and Head (SS&AC)** | | | |
| 2015 | The Andhra Agricultural Journal, Bapatla | Referee | 2 |
| 2016 | Journal of Indian Society of Soil Science, IARI, New Delhi | Referee | 1 |
| 2017 | The Andhra Agricultural Journal, Bapatla | Referee | 2 |
| 2019 | Tobacco Research, CTRI, Rajamhmundry | Referee | 2 |

**N) Guest lectures delivered**

Resource person/guest lectures in training programmes, summer/winter schooletc.

| *Year* | *Date* | *Details of the programme* | *Title of the topic* | *International/ National/ Regional/ State/other* |
|---|---|---|---|---|
| **Dr. Ch.V. Narasimha Rao, Professor (Entomology)** | | | | |
| 2015 | 05.09.2015 | ATMA Training programme | Insect and Rodent Pest Management in Rice | Ganti Pedapudi village of P. Gannavaram Mandal |
| 2015 | 18.09.2015 | NGO training programme | Insect and rodent pest management in rice, maize, sugarcane and coconut crops | Singarayapalem village, T. Narsapuram mandal, W.G district |
| 2015 | 23.09.2015 | DoA Training programme | Integrated insect and rodent pest management in rice | DoA, Yanam (Puduchery State) |
| 2016 | 25.02.2016 | Three day training programme on Rodent pest management | Rodent pest management in cocoa, cashew and coconut | ITDA, Rampachodavaram, E.G.Dt. |
| 2016 | 28.03.2016 | ATMA Training programme | Rodent and Pest Management in Different Crops | Ganti Pedapudi village of P. Gannavaram Mandal |
| 2016 | 29.03.2016 | ATMA Training programme | Insect Pest Management in rice | Thorredu, East Godavari Dist. |
| 2016 | 16.09.2016 | Farmers' training programme | IPM technologies in rice, Sugarcane, Maize, Pulses | Unguturu, West Godavari Dt. |

| *Year* | *Date* | *Details of the programme* | *Title of the topic* | *International/ National/ Regional/ State/other* |
|---|---|---|---|---|
| 2016 | 28.09.2016 | Farmer, Scientist Interaction meeting in collaboration with AIR, Visakhapatnam | IPM technologies in rice, Sugarcane, Maize, Pulses | Lingamparthi, East Godavari Dt |
| 2016 | 05.12.2016 | World Soil Day – 2016 | IPM technologies in rice | KVK, Kalavacharla |
| 2017 | 17.02.2017 | 21 days Training programme | Rodent Pest Management in Rice Eco-system | NIPHM, Hyderabad |
| 2017 | 19.05.2017 | Training to Field staff, organised by Navabharat venures Ltd, Samalkot | IPM in sugarcane | Navabharat venures Ltd, Sugar Division Samalkot |
| 2017 | 26.07.2017 | DoA Training programme | IPM technologies in rice including rodent control | DoA, Yanam (Puduchery State) |
| 2017 | 14.09.2017 | 21 days training programme on RPM | Role of Rodenticides in Rodent Campaigns | NIPHM, Hyderabad |
| 2017 | 21.09.2017 | Farmers' Field School Programme DoA, Rajahmundry | IPM technologies in rice | Bommuru, Rajahmundry rural |
| 2018 | 08.01.2018 | Janmabhoomi Maa Vooru programme, DoA | IPM technologies in rice, Sugarcane, Maize, Pulses | Muramanda, Rajavolu and Namavaram Villages |
| 2018 | 27.03.2018 | ATMA Training programme | Insect Pest Management in Different Crops | Thorredu, Rajahmundry rural |
| 2018 | 02.05.2018 | Kisan Kalyana Karyasala, DoA programme | Integrated rodent pest management in rice and coconut | R & B Conference hall, Rajahmundry |
| 2018 | 11.10.2018 | NGO training programme | Rugose Spiralling Whitefly in Coconut | Yerrampalem village, E. G. Dt |
| 2018 | 01.12.2018 | ATMA Training programme | IPM for fall army worm in maize | Thorredu, East Godavari district |
| 2018 | 12.12.2018 | ATMA Training programme | IPM in rice | Rajavaram, East Godavari district |
| 2019 | 11.01.2019 | Creating Excellence in Territory Management" | Rice Production and Protection Technologies | Rajamahendrava ram |
| 2019 | 24.01.2019 | ATMA Training programme | Rodent Pest Management" | Ravulapalem, E. G. district |

| *Year* | *Date* | *Details of the programme* | *Title of the topic* | *International/ National/ Regional/ State/other* |
|---|---|---|---|---|
| 2019 | 04.02.2019, 05.02.2019, 14.02.2019 16.02.2019 | SERP training programme | IPM in chillies, cashew, rice, sugarcane and rice | Kunavaram, Etapaka, Routhalapudi and Kotananduru, E.G. Dt |
| 2019 | 13.06.2019 | ATMA Training programmeon Organic farming | Integrated pest management in rice, maize, pulses | Nidigatla, E.G. Dt. |
| 2019 | 01.07.2019 | SERP training programme | Production technologies for rice, cotton and pulses | Etapaka, E.G.Dt. |
| 2019 | 02.07.2019 | SERP training programme | Production technologies for rice, cotton and pulses | Chintur, E.G.Dt. |
| 2019 | 05.07.2019 | SERP training programme | Production technologies for cotton and pulses | Devipatnam, E.G.Dt. |
| 2019 | 08.07.2019 | YSR Rythu Dinotsavam, DoA programme | IPM technologies in rice, Sugarcane, Maize, Pulses | Rajamahendrava ram |
| 2019 | 19.07.2019 | Farmer-Scientist Interaction meeting | PACS Ltd., Yeleswaram | Yeleswaram, E G Dt. |
| **Dr. S. Krishnam Raju, Professor (Plant Pathology)** | | | | |
| 2018 | 01.12.2018 | KVK, Undi | Quality seed production in rice | Others |
| 2018 | 12.12.2018 | Financial support from ATMA, E.G District. | Farmer-Scientist interaction meeting | Others |
| 2018 | 22.10.2018 | Rythusadasuu | Farmer-Scientist interaction meeting | Others |
| 2019 | 22.10.2019 | KVK, Undi | Fertilizer application wareness | Others |
| 2019 | 06.09.2019 | SERP meeting, Rajahmundry | Paddy diseases and their management | State |
| 2019 | 08.07.2019 | Govt. of A.P Programme | Crop diseases and suggestions to the farmers | State |
| 2019 | 13.06.2019 | Adopted village | Farmer-Scientist interaction meeting | Others |

| *Year* | *Date* | *Details of the programme* | *Title of the topic* | *International/ National/ Regional/ State/other* |
|---|---|---|---|---|
| 2019 | 11.01.2019 | Rajahmundry conducted by Interface Agricultural Technologies Pvt. Ltd. Hyderabad | Plant protection in rice | State |
| 2019 | 16.02.2019 | SERP training | Rice varieties and their characters | State |
| 2019 | 14.02.2019 | SERP training | Crop diseases management | State |
| 2019 | 07.03.2019 | KVK, Undi | Quality seed production | Others |
| **Dr. K.M. Dakshina Murthy, Associate Professor (Agronomy)** | | | | |
| 2017 | 24-25th Nov | dvances in Simulation Modelling and Climate Change Research towards Knowledge Based Agriculture by CESCRA-IARI | DSSAT: Basics and application, and hands-on training to the participants. | National |
| 2018 | 22-23rd January 2018 | Agricultural System Modelling for Assessing Climate Change Impacts on Soils and Crops Indian Institute of Soil Science, Bhopal | An Overview of DSSAT Model and hands-on training to the participants | National |
| **Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)** | | | | |
| 2016 | 09.11.2016 | Farmers awareness programme at Central Ware Housing Corporation, Rajamahendravaram | "Warehousing Development & Regulation Act, 2007" | Regional |
| 2019 | 26.11.2019 | Farmers awareness programme at Central Ware Housing Corporation, Rajamahendravaram | "Warehousing Development & Regulation Act, 2007" | Regional |

| *Year* | *Date* | *Details of the programme* | *Title of the topic* | *International/ National/ Regional/ State/other* |
|---|---|---|---|---|
| **Dr. D. Srinivas, Professor and Head (SS&AC)** | | | | |
| 2015 | 16th and 17th March, 2015 | Primary Sector Mission of the Govt of AP | Training programme on Primary Sector Mission | State level programme organized at Indian School of Business (ISB), Gatchibowli, Hyderabad. |
| 2015 | 25.03.2015 and 26.03.2015 | Primary Sector Mission and Team building at ICRISAT, Hyderabad | Work plan preparation | As an Expert in the field of soil science and Agricultural Chemistry nominated by ANGRAU |
| 2015 | 23.09.2015 | DoA Training programme | Fertilizer management in rice | DoA, Yanam (Puduchery State) |
| 2016 | 28.03.2016 | ATMA Training programme | Integrated nutrient management in different Crops | Ganti Pedapudi village of P. Gannavaram Mandal |
| 2016 | 29.03.2016 | ATMA Training programme | Fertilizer management in rice | Thorredu, East Godavari Dist. |
| 2016 | 16.09.2016 | Farmers' training programme | Fertilizer management in rice | Unguturu, West Godavari Dt. |
| 2017 | 28th to 30th June, 2017 | e-procurement | Attended as a participant | State level at APHRDI, Bapatla, Guntur District, A.P. |
| 2017 | 26.07.2017 | DoA Training programme | INM technologies in rice | DoA, Yanam (Puduchery State) |
| 2017 | 24.08.2017 | Farmers field school | Soil health cards and importance of soil testing | Bommuru, Rajahmundry Rural Mandal |
| 2017 | 21.09.2017 | Farmers' Field School Programme DoA, Rajahmundry | INM technologies in rice | Bommuru, Rajahmundry rural |

| *Year* | *Date* | *Details of the programme* | *Title of the topic* | *International/ National/ Regional/ State/other* |
|---|---|---|---|---|
| 2017 | 5.12.2017 | Celebrations of world Soil health day | As an expert delivered a talk on Importance of soil health day | Regional level at KVK, Pandirimamidi (Dr YSRHU) |
| 2018 | 08.01.2018 | Janmabhoomi Maa Vooru" programme, DoA | INM technologies in rice, Sugarcane, Maize, Pulses | Muramanda, Rajavolu and Namavaram Villages |
| 2018 | 27.03.2018 | ATMA Training programme | Major and micronutrient management in rice. | Thorredu, Rajahmundry rural |
| 2018 | 02.05.2018 | Kisan Kalyana Karyasala, DoA programme | Integrated nutrient management in rice | R & B Conference hall, Rajahmundry |
| 2018 | 01.12.2018 | ATMA Training programme | Nutreint management in rice | Thorredu, East Godavari district |
| 2018 | 12.12.2018 | ATMA Training programme | Fertilizer management in rice | Rajavaram, East Godavari district |
| 2019 | 24.01.2019 | ATMA Training programme | Nutrient management in rice | Ravulapalem, E.G. Dt |
| 2019 | 04.02.2019<br>05.02.2019<br>14.02.2019<br>16.02.2019 | SERP training programme | INM in chillies, cashew, rice, sugarcane and rice | Kunavaram, Etapaka, Routhalapudi and Kotananduru, E.G. Dt |
| 2019 | 01.07.2019 | SERP training programme | Production technologies for rice, cotton and pulses | Etapaka, E.G.Dt. |
| 2019 | 02.07.2019 | SERP training programme | Production technologies for rice, cotton and pulses | Chintur, E.G.Dt. |
| 2019 | 05.07.2019 | SERP training programme | Production technologies for cotton and pulses | Devipatnam, E.G.Dt. |
| 2019 | 13.06.2019 | ATMA Training programmeon Organic farming | Integrated nutrient management in rice, maize, pulses | Nidigatla, E.G. Dt. |
| 2019 | 08.07.2019 | YSR Rythu Dinotsavam, DoA programme | INM technologies in rice, Sugarcane, Maize, Pulses | Rajamahendravaram |
| 2019 | 19.07.2019 | Farmer-Scientist Interaction meeting | PACS Ltd., Yeleswaram | Yeleswaram, E G Dt. |

| *Year* | *Date* | *Details of the programme* | *Title of the topic* | *International/ National/ Regional/ State/other* |
|---|---|---|---|---|
| **Dr.G.Ramesh, Assistant Professor (SMCA)** | | | | |
| 2016 | 28.11.2016 | Seminar | Design of Experiments in Agriculture | Andhra university Dept.of statistics Visakhapatnam |
| 2017 | 25.01.2017 | Guest lecture | Testing of Hypothesis | SKVT Degree college Dept.of statistics Rajamahendravaram |
| 2020 | 29.05.2020 | Training Programme | Mathematical and statistical Modeling | GIET Rajamahendravaram |

**O) Research projects handled**

| *Year* | *Amount* | *Title of the project* | *PI/Co-PI* | *Ongoing/ completed* |
|---|---|---|---|---|
| **Dr. K.M. Dakshina Murthy, Associate Professor (Agronomy)** | | | | |
| 2017 | US$ 120K | Livelihoods and Food Security Trust Fund (LIFT) project -Implementation of PyawtYwar Pump Irrigation Project | Co-PI | Completed |
| 2016 | US$ 3.7 million | Resilient Agricultural Households through Adaptation to Climate Change in Mahbubnagar district, Telangana-National Adaptation Fund for Climate change (NAFCC), Ministry of MOEFFCC, Govt. of India- | PI | completed |
| 2015 & 2017 | US$200K | DFID, UK- USDA-USA- Integrated Assessment of Climate Change Impacts on Principal Crops and Farm Household Incomes in Southern India (AgMIP-South Asia Phase-I & II)- | Co-PI | Completed |
| 2017 | US$200k | Soil conservation and rehabilitation of degraded land for food security in India- GIZ, Germany | Co-PI | Completed |

| *Year* | *Amount* | *Title of the project* | *PI/Co-PI* | *Ongoing/ completed* |
|---|---|---|---|---|
| **Dr. P. Ammaji, Associate Professor (Agronomy)** | | | | |
| 2012-2015 | 7,00000 | To reach the unreached with the expert consultation under DAATTC | Co-PI | Completed |
| **Dr. P.L.R.J.Praveena, Professor & Head (Agricultural Extension)** | | | | |
| 2019 | 124,96890 | Causes and Consequences of e-National Agriculture Market (e-NAM) on the Economic Development of Indian Agriculture – A Case Study. | Co-PI | Ongoing |
| **Dr. Ch. Syam Raj Naik, Professor & Head (Crop Physiology)** | | | | |
| 2013 | 10,00,000 | Development of location specific R & D demonstration for SC-ST sub-plan | C0-PI | Completed |
| 2013 | 4,50,000 | Weather, Climate and Farmers prospects | C0-PI | Completed |

**P) Germplasm collection, documentation and conversation : NIL**

**Q) Crop varieties developed, released, notified and entered into seedchain:**

| *Year* | *Crop* | *Details of the variety/hybrid* | *Contribution of the applicant as per the release proposals First/second/other* |
|---|---|---|---|
| **Dr. S. Krishnam Raju, Professor (Plant Pathology)** | | | |
| 2015 | Rice | MTU 1121 (Sri Dhruti) | Screening for blast resistance |
| 2015 | Rice | MTU 1153 (Chandra) | Screening for blast resistance |
| 2016 | Rice | MTU 1156 (Tarangini) | Screening for blast resistance |
| 2016 | Rice | MTU 1140 (Bheema) | Screening for sheath blight, bacterial leaf blight and blast resistance |
| 2017 | Rice | MTU 1155 (Samrudh) | Screening for blast resistance |
| 2018 | Rice | MTU 1190 (Varam) | Screening for sheath blight, bacterial leaf blight and blast resistance |
| 2018 | Rice | MTU 1172 (Ksheera) | Screening for sheath blight, bacterial leaf blight and blast resistance |
| 2019 | Finger millet | PR 10-45 (Gowthami) | Moderately resistant to blast |
| **Dr. P. Munirathnam, Professor & Head (Agronomy)** | | | |
| 2020 | Foxtail millet | Garuda | Proposed an Agronomy trail for the varietal improvement |
| 2020 | Foxtail millet | Renati | Proposed an Agronomy trail for the varietal improvement |

**R) Technologies / innovations / implements / machinery / homescience technologies etc.developed with recommendations**

| *Year* | *Season* | *Details of the activity* | *Sole or major/ Associate contributor* |
|---|---|---|---|
| **Dr. S. Krishnam Raju, Professor (Plant Pathology)** | | | |
| 2016 | Kharif | Recommendation of Azoxytrobin 25 SC against rice sheath blight | Major contributor |
| 2017 | Kharif | Recommendation of Azoxytrobin 11% + Difenoconazole 18.3 % SC against rice sheath blight | Major contributor |
| **Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)** | | | |
| 2015 | Summer | Farm Pond, terraces and pressurized irrigation technologies was developed at Madakasira | Major |

**S) Income generation through production, processing and distribution of seed, planting material, biofertilizer etc./sample analysis, evaluationetc.**

| *Year* | *Season* | *Details of the activity* | *Amount generated (as per cash receipt)* | *Role of the applicant* |
|---|---|---|---|---|
| **Dr. Ch.V. Narasimha Rao, Professor (Entomology)** | | | | |
| 2019-20 | Rabi | Redgram (Non-seed) production | Rs. 65,730/- towards sale of 1878 kg of redgram | Farm Manager |
| **Dr. P. Ammaji, Associate Professor (Agronomy)** | | | | |
| 2019 | Rabi | Foundation seed production of MTU-1156 | 1,00,000=00 | Manager, Seed production EL unit |
| 2020 | Kharif | Breeder seed production of MTU-1153 | 1,43,000=00 | Manager, Seed production EL unit |
| **Dr. S.V. Bhavani Prasad, Professor & Head (GPBR)** | | | | |
| 2015 | Kharif | Breeder seed of MTU 7029 | Rs. 5,68,260-00 | Scientist in-charge |
| 2015 | Rabi | MTU 1010 | Rs. 3,96, 675-00 | Scientist in-charge |
| 2018 | Kharif | MTU 1156 | Rs. 2,47,485-00 | Scientist in-charge |
| 2018 | Rabi | MTU 1156 | Rs. 3,50,000-00 | Scientist in-charge |
| 2019 | Kharif | MTU 1153 | Rs. 2,85,525-00 | Scientist in-charge |
| 2019 | Rabi | MTU 1153 | Rs. 3,55,320-00 | Scientist in-charge |

**T) Any other achievements not mentioned above**

**A. List of Technical bulletins / Popular articles developed**

| S.No. | Department | No.of technical bulletins/Popular articles developed |
|---|---|---|
| 1. | Soil Science and Agricultural Chemistry | 03 |
| 2. | Entomology | 03 |
| 3. | Plant Pathology | 08 |
| 4. | Agricultural Econimics | 01 |
| 5. | Publications | 05 |
| 6. | Agricultural Engineering | 01 |
| 7. | Horticulture | 08 |
| 8. | Animal husbandry | 02 |

**B. Expert members**

**1. Dr.D.Srinivas, Professor and Head (SS&AC)**

**Evaluation of PG Thesis/ as expert /external examiner**

| *Year* | *University* | *PG/ Ph.D.* | *Qualifying/ Thesis evaluation* | *Date of examination* | *External Examiner* |
|---|---|---|---|---|---|
| 2015 | IGKV, Raipur | PG | Viva-voce examination | 09.08.2015 | External Examiner |
| 2016 | UAS, Dharwad | PG | Oral Qualifying examination | 22.01.2016 | External Examiner |
| 2020 | Madhurai (TNAU) | Ph.D. | Final Viva-voce examination | 03.02.2020 | External Examiner |

1. Dr.D.Srinivas, Professor and Head (SS&AC) was nominated to undertake the moderation of question paper on 22.03.2018 for the All India Competitive Examination for the award of ICAR's JRF/SRF (PGS) leading to admission in Ph.D degree programmes in Universities under ICAR-AU System for subject Group (Code no.13 of Natural Resource Management-II) for the year 2018 vide F. No. 6(1)/2012/SRF-Exam. Cell dated 09.03.2018 of Controller of Examinations, ICAR, KrishiAnusandhanBhavan - II, Pusa, New Delhi – 110012
2. As external examiner for evaluation of M.Sc. (Ag.) and Ph.D thesis of Agricultural College and Research Institute (TNAU), Madurai, UAS, Raichur and BHU,Varanasi.
3. Acting as academic board members of AdikaviNannayya University, Rajamahendravaram.
4. Acting asexpert member for theBachelor of Vocational Courses (BoVC) of AdikaviNannayya University, Rajamahendravaram.
5. Committee member for the new diploma course on '' Diploma in Organic farming (2016-17 onwards) nominated by the university.

6. Assessment committee member of Central Tobacco Research Institute, Rajamahendravaram
7. Life member of Indian Society of Soil Science, IARI, NewDelhi and also Tobacco Research (ICAR_CTRI) Rajamahendravaram.
8. Nominated as the Councillor for the Indian Society of Soil Science for a period of two years i.e. 2016 and 2017.

**2. Dr. K.Madhavi, Professor (Agronomy)**

1. Nominated as advisor in the selection committee for the conduct of Viva-Voce of the candidates held on 23rd & 24th May, 2019 at ASRB, Pusa, New Delhi in connection with the ARS Examination 2017 for the recruitment to the posts of Scientist.

**3. Dr.S.Krishnamraju, Professor (Plant Pathology)**

1. Nominated as Expert Committee member of selection committee for conducting assessment and interview for Career Advancement Scheme in the discipline of Plant Pathology at YSR Horticultural University, VenkataRamannagudem on 17.02.2018
2. Nominated as Expert Committee member of selection committee for conducting assessment and interview for Career Advancement Scheme in the discipline of Plant Pathology at YSR Horticultural University, VenkataRamannagudem on 02.03.2019.

**4. Dr.S.Hyma jyothi, Associate Professor and Head (Agril.Eco.)**

1. Acted as a project team consultant for project "Evaluation of Physical Verification of Key Performance Indicators in Agriculture & Allied sectors in Andhra Pradesh" of Directorate of Economics & Statistics.

**5. Er. D. Sai Gangadhara Rao, Assistant Professor (Agricultural Engineering)**

1. Nominated as member in in AGRIENGGCET-2016 conduction at University level examination.
2. Guided the following research works in B.Tech (Ag. Engg.) UG programme

   - Studies on water requirement of colored capsicum under naturally ventilated poly house (2015) by Mr. S K Baba Fakruddin (ME 11-003), Mr. N. PhaniBhushan Reddy (ME 11-016), Mr. Ds. Sunder (ME 11-029).

   - Development of software model for gully control structures (2016) by Mr. G. Naveen Kumar (ME12-013), Mr. B. Naveen Kumar Reddy (ME12-014), Mr. G. Paavan Kumar Reddy (ME12-015) and Mr. E. Ramesh Naik (ME12-021).

   - Development of Software Model for Estimation of Storage Capacity of Farm Pond (2017) by Mr. P. Pavan Kumar (ME 13-024), Ms. Y. SaiSucharitha (ME 13-028) and Ms. G. Yamuna (ME 13-033).

**6. Dr. Ch. Syam Raj Naik, Professor & Head (Crop Physiology)**

1. Associated with the organization of "National Agricultural Fair of the University"
2. As the Additional Controller of Examination, ANGRAU and involved in the activities of Academic calendars, instructions in RAWEP evaluation and evaluation of grade points.
3. Involved in the webcounselling of the admission of students in undergraduate courses viz., B. Sc (Agri.), B. Sc (CA&BM), B. V. Sc.& AH and B.Sc. (Horti.) in three Universities viz., ANGRAU, SVVU and Dr.YSRHU and diploma courses in ANGRAU during May, 2016. A total number of 1100 candidates in U.G. courses and 1800 candidates in diploma courses were admitted through this process.

**7. Dr. J. Krishna Prasadji, Professor & Head (Plant Pathology)**

1. Dean of Agriculture from 25.03.2018 to 29.03.2019
2. Member, Board of Studies, UAS, Dharwad since April 2019
3. Expert for screening of CAS applications of Senior Professors of Dr YSR Horticultural University, Venkatramannagudem
4. Expert for screening research project proposals for funding by Department of Biotechnology, Ministry of Science & Technology, Govt of India

**C. PG Guidance**

**Information to guidance to PG / Ph. D students**

| S. No. | ID Number | Name of the Student | Thesis title | Role Chairman |
|---|---|---|---|---|
| **1. Dr.S. Krishnamraju, Professor (Plant Pathology)** | | | | |
| 1 | BAM-14-41 | S. Prabhakara Rao | Studies on host influencing host characters and management of Rhizoctoniasolani incited sheath blight of rice | Chairman |
| 2 | BAM-17-35 | G. Sandeep Kumar | Monitoring of predators and parasitoids of rice plant hopper complex | Member |
| 3 | BAM-13-46 | P. Pratyusha | Studies on spatial distribution and disease contributing host factor of false smut *Clavicepsoryzaesativae* (Hashioka) of rice | Member |
| **Ph.D** | | | | |
| 4 | BAD-14-08 | K. VasanthaBhanu | Resurgence studies on rice brown plant hopper, *Nilaparvatalugens* (Stal.) | Mamber |
| 5 | BAD-13-04 | B. Hari Ram Kumar | Ratooning capacity of rice genotypes | Member |

| S. No. | ID Number | Name of the Student | Thesis title | Role Chairman |
|---|---|---|---|---|
| 6 | BAD-15-09 | ADVSL Anand Kumar | Insecticide induced resurgence of rice brown plant hopper, *Nilaparvatalugens* (Stal.) and management with certain insecticides | Member |
| 7 | BAD-15-15 | D. Sudha Rani | Relative abundance of stem borer species infecting rice and management of rice yellow stem borer, Scirpophagaincertulas (Walker.) | Member |
| **2. Dr. S. Hyma Jyothi, Associate Professor (Agricultural Economics)** | | | | |
| 1 | BAM-12-37 | M. Mayuri | Economic Analysis of Commercial Floricultural Nursery Management in East Godavari District of Andhra Pradesh | Chairman |
| 2 | BAM-16-54 | M. Priyanka Chowdary | Economic Analysis of production costs and prices in paddy in West Godavari District of Andhra Pradesh | Chairman |
| 3 | TMBA/ 2019-01 | Y. Ananya Devi | Yet to be finalized | Chairman |
| 4 | TMBA/ 2019-05 | S. Kavitha | Yet to be finalized | Chairman |
| **3. Dr.P.L.R.J. Praveena, Professor and Head (Agril.Extension)** | | | | |
| 1 | TAM/2017-17 | C.Lakshmi Devi | Marketing Behaviour of Women Agripreneurs in Kadapa District of Andhra Pradesh | Chairman |
| 2 | TAM/2017-16 | K.KalyanBabu | Impact of National Initiative on Climate Resilient Agricultural Project in Ananthpur District of Andhra Pradesh | Chairman |
| 3 | TAM/2017-59 | M.B.Rajyalakshmi | A Study on Performance of Custom Hiring Centres in Chittor District of Andhra Pradesh | Member |
| 4 | TMBA/ 2017-17 | M.Venkata Prasad | Evaluation of Commodity Procurement Services Utilized by Agribusiness Companies in Guntur District of Andhra Pradesh | Chairman |
| 5 | TMBA/ 2017-04 | R.Ashok Kumar | Study on Scouting of Business Opportunities for Farmer Producer Organizations (FPOs) – A study on Marketing in Anantpur District of Andhra Pradesh | Chairman |

| S. No. | ID Number | Name of the Student | Thesis title | Role Chairman |
|---|---|---|---|---|
| **Ph.D** | | | | |
| 1. | TAD/2017-05 | Md.Mubeena | Development Strategies for attracting rural youth towards Agri-preneurship | Member |
| 2. | TAD/2018-11 | T. SriChandana | Integrated Farming System as a Sustainable Livelihood Security of Farmers in Andhra Pradesh – An Aanlytical Study | Chairman |
| 3. | TAD/2018-10 | B.Naveen | Impact of soil health cards on rice cultivation in Andhra Pradesh | Member |
| 4. | TAD/2018-22 | BabithaAdhikari | A study on Impact of PradahanMantriKrishiSinchayiYojna (PMSKY) in Uttarakand | Member |
| **4. Dr.S.Dayakar, Professor and Head (Entomology)** | | | | |
| 1. | **Ph.D.** BAD/15-11 | Ch. Chinnabbai | Molecular and biochemical variability of certain brinjal genotypes against shoot and fruit borer *Leucinodesorbonalis*(Guene) (Lepidoptera: Pyralidae). | Member |
| **5. Dr. J. Krishna Prasadji, Professor & Head, Plant Pathology** | | | | |
| | **M. Sc (Ag)** | | | |
| 1. | BAM 13-45 | P. Prathyusha | Studies on spatial distribution and disease contributing host factors of false smut [*Claviceps oryzae sativae* (Hashioka)] of rice | Chairman |
| 2. | BAM 13-41 | G. Bhavani | Studies on leaf crinkle disease of *Urdbean* [*Vigna mungo* (L.) Hepper] | Member |
| 3. | BAM 14-41 | S. Prabhakara Rao | Studies on disease influencing host characters and management of *Rhizoctonia solani* incited sheath blight of rice | Member |
| 4. | BAM14-42 | B. Praveen | Studies on Cercospora leaf spot of greengram in relation to weather, host plant resistance and disease management | Member |
| | **Ph. D** | | | |
| 1. | BAD 08-07 | P. Rama Devi | Biology, epidemiology and management of *Alternaria* sp. causing early blight of Tomato (*Lycipersiconesculentum* Mill.) | Chairman |
| 2. | BAD 11-11 | G. Darvin | Edaphology, Epidemiology and management of Stem rot og groundnut caused by *Sclerotiumrolfsii* Sacc. | Chairman |
| 3. | BAD 11-13 | B. Swathi | Studies on biologivcal control of Chickpea collar rot caused by *Sclerotium rolfsii* using *Trichoderma* | Member |

**D. Other extension activities**

**Dr. K. Ravi Kumar, Assistant Professor (Horticulture) conducted the following activities for the benefit of farmers**

| *S.No* | *OFT/FLD* | *Demonstrations conducted* |
|---|---|---|
| 1. | OFT | 04 |
| 2. | FLD | 04 |
| 3. | Method demonstrations | 03 |
| 4. | Field day | 01 |
| 5. | Group Discussion | 02 |
| 6 | Posters | 05 |
| 7. | Kisan advisory service (phone calls ) | 24 |
| 8. | Press notes | 07 |
| 9. | Diagnostic action plans | 02 |
| 10. | Disaster Management Programmes | 02 |

**6.5.2.4. Technical and supporting staff working in the Department**

| **Technical and supporting staff** | **Name of the staff** | **Expertise** | **Remarks** |
|---|---|---|---|
| Record Assistants | Nil | Nil | |
| Office subordinates | One attender | Five years | |

**Important events organized by Agricultural College, Rajamahendravaram.**

- 47th Annual Convocation of ANGRAU at Sri VenkateswaraAnamKalakendram, Rajahmundry was conducted on 4thJanuary, 2016.
- 269th Meeting of the Board of Management of ANGRAU was held on4th January, 2016 at Agricultural College, Rajahmundry.
- Meetings of the Faculty Boards and 96th Academic Council meetings of ANGRAU were held on 5th& 6thJanuary, 2016 at Rajahmundry.
- Inter Zonal Sports, Games, Cultural& Literary Competitions for teaching staff of the University at Agricultural College, Rajamahendravaram from 10th to 12th February, 2017. The Godavari Zone bagged the overall championship trophy in cultural events during 2017.
- Foundation stone for the construction of College and Hostel buildings of Agricultural College, Rajamahendravaram was laid by Sri Somireddy Chandra Mohan Reddy, Hon'ble Minister of Agriculture, Horticulture, Sericulture and Agri-Processing, Govt. of Andhra Pradesh on 26-11-2017 in presence of Stone by Dr. V. Damodara Naidu, Vice-Chancellor, ANGRAU, Guntur, Sri GorantlaButchaiahChowdary, Hon'ble Member of Legislative Assembly, Rajamahendravaram (Rural) and Dr.AkulaSatyanarayana, Hon'ble Member of Legislative Assembly, Rajamahendravaram (Urban).
- Agricarnival-2017 was organised at Agricultural College, Rajamahendravaram.
- 283rd meeting of Board of Management of ANGRAU was organized on 24.01.2018 at Rajamahendravaram by Agricultural College, Rajamahendravaram and Dr. V. Damodara Naidu, Hon'ble Vice-Chancellor, ANGRAU graced the occasion.

## 6.5.3. Learning resources

### 6.5.3.1. College Library (Digital)

The college is provided with a library to meet the requirements of staff and students. A dedicated building was allocated to college library which is equipped with 4110 books, magazines worth 25 lakhs and latest national and international journals (digital access). The book shelves, almirahs, reading tables were also purchased. The job opportunities are being communicated to students through displays, emails and oral counselling. The first batch of our students got 100 percent placement and success batches also followed the suit.

A digital library was started with 24 computer systems with internet connectivity and uninterrupted power supply for the benefit of students. The college is Wi-Fi enabled for the staff and students for quick understanding of different websites and also for smooth running of this college.

### 6.5.3.2. Laboratories, instructional farm, workshops, dairy plan, veterinary clinic, hatchery, ponds etc.,

**Laboratories**

The college has Agronomy, Soil Science, Agricultural Engineering and Plant Protection department labs for practical aspects of syllabus. The Agronomy department is maintaining a laboratory for UG courses with all the laminations of farm implements and meteorological instruments and irrigation equipment.

The soil science department has facilities such as automated N- analyzer (Kel-plus), UV – Vis spectrometers, Flame photometer, BOD incubator etc. for major nutrient analysis in both soil and water samples. Lab facilities were also available for students to have hands on exercises on soil and plant analysis.

The departments of Entomology and Plant Pathology also have labs for insect dissections, handling insects, maintenance of insectary and rearing the insects so as to understand the insect lifecycles. The Plant Pathology lab has basic facilities for media preparation (balances, stove, microwave oven), sterilization (autoclave, Hot air oven), inoculation (laminar air flow system) culture growth (BOD incubator), observing microorganisms (microscope with photomicrography attachment) and other basic facilities for imparting effective practical lab training

**Instructional farm**

The college has unique facility of having two research cum instructional farm. One farm at Katheru that was transferred by the ICAR-CTRI with an area of 21.93 ac. to Agricultural College for a long lease. The Katheru farm is mostly consists of rich black soils which can caters the needs of paddy based cropping systems. The Endowments Land of 58.13 ac. of Sri Bhajenarayana Swamy Temple at Nidigatla village, Korukonda Mandal was handed over to college on leases mostly consists of sandy loam soils where in irrigated dry crops will be cultivated. This unique kind arrangement of having two farm will allow the students to understand practical advantages and difficulties in crop production in both the soils. One field class room, farm superintendent office and store room were constructed. The practical classes are being taken up in this building regularly whenever students visit the farm for practical.

Further currently the farms also serving the need to undertake breeder and foundation seed production of paddy, red gram, green gram and small millets as a part of income generation. Further a proposal on "Establishment of small nursery unit for production of quality planting material for horticulture crops" was approved and funded by Department of Horticulture under RKVY-RAAFTAR during 2019-20. This facility will help in developing entrepreneur skills in students as they will closely involve in the project as a part of their practical curriculum.

**Farm Ponds**

In the new Nidigatla farm a proposal was submitted for funding to construct a farm pond which not only serves as a source for strategic irrigation to the irrigated dry crops but also helps in collecting runoff water, In Katheru another proposal was submitted to develop demo Integrated Farming System model for the benefit of students.

## 6.5.3.3. Student ready/In-plant training/internship/Experiential learning program

**Student Ready Programme**

**Rural Agricultural Work Experience Programme (RAWEP):**

| Year | No. of Students Attended | No. of Villages | Districts | |
|---|---|---|---|---|
| | | | East Godavari | West Godavari |
| 2015-16 | 49 | 8 | 19 | 20 |
| 2016-17 | 41 | 8 | 20 | 21 |
| 2017-18 | 52 | 8 | 23 | 29 |
| 2018-19 | 45 | 8 | 23 | 22 |
| 2019-20 | 71 | 8 | 36 | 35 |

**INTERNSHIP PROGRAMME**

As part of this RAWE programme the students had also undergone Internship programme at Krishi Vignan Kendra, Kalavacherla (East Godavari district) and Krishni Vignana Kendra, Undi (West Godavari district) on various aspects viz., mushroom

cultivation, jam and jelly preparation, biscuit making, seed production technologies in sugarcane, tissue culture techniques in banana, floating cultivation in fish ponds, Agro-based Entrepreneurship development and women empowerment etc. to gain extra skills in fields related to agriculture. The current year students were undergone the internship program in the following units

| ***S.No.*** | ***Name of the unit*** | ***No. of students working in that unit*** | ***Faculty in-charges*** |
|---|---|---|---|
| 1. | M/s Navbharat Ventures (Sugar Division), Samalkot | 8 | Dr. Ch.Syamraj Naik, Professor (Crop Physiology) |
| 2. | M/s Ruchi Soya, Peddapuram | 10 | |
| 3. | M/s. Reliance Foundation, Kakinada | 11 | |

**AGRIUCLTURAL EXPERIENTIAL LEARNING PROGRAMME (AELP)**

The first AELP was conducted during 2012-13 in Agricultural College, Bapatla due to lack of sufficient land allotted to Agricultural College, Rajamahendravaram. Later due to allotment of land in the Katheru farm of CTRI, Rajamahendravaram, AELP programme is being conducted regularly from 2013-14 till –to-date.

| **Year** | **Theme of the AELP** | **Units** | **No. of students allotted** |
|---|---|---|---|
| 2015-16 | Vegetable production unit | 4 | 48 |
| 2016-17 | Vegetable production unit | 2 | 22 |
| 2016-17 | Sweet corn production unit | 2 | 22 |
| 2017-18 | Vermicompost unit | 1 | 12 |
| | Vegetable Production unit | 1 | 14 |
| | Sweet Corn unit | 1 | 12 |
| | Bengal gram production technology | 1 | 14 |
| 2018-19 | Vermicompost Production EL Unit | 1 | 11 |
| | Vegetable and Fruit Production EL Unit | 1 | 11 |
| | Sweet Corn Production EL Unit | 1 | 12 |
| | Seed Production EL Unit | 1 | 11 |
| 2019-20 | Vermicompost Production EL unit | 2 | 17 |
| | Vegetable and Fruit production EL unit | 2 | 17 |
| | Sweet corn Production EL unit | 2 | 16 |
| | Seed Production EL unit (Rice) | 2 | 17 |

The profits obtained from the ELP units were shared among the students, department and managers of the units by following the EPL student ready manual (75%, 10% and 15% respectively)

# Student Ready Programme



Transplanting of Rice



Conduct of PRA in Kirlampudi village



Fertiliser application in Sweet Corn



Skill demonstration on 'Root Feeding Technique in Coconut'

### 6.5.3.4. Curricula Delivery through IT

The college started equipping itself with class room furniture i.e. comfortable chairs for seating with tube lights and fans were arranged in each class room. The teaching aids, such as projector & screen for power point presentation, overhead projector, charts, display boards etc., were arranged for effective teaching.

The college is equipped with facilities such as virtual classroom with 55 inch LED TV, projector, interactive white boards, digital podium, speakers and wireless microphones which supplent traditional methods of teaching by regular faculty and enable students to attend to talks and seminars on specialized topics by specialists from other places remote from the college.

**6.5.4. Student Development**

**6.5.4.1. Student Intake and Attrition (5 years)**

***UG Programme***

| S. No. | Year | Student Intake | | | Student Attrition | | |
|---|---|---|---|---|---|---|---|
| | | Male | Female | Total | Male | Female | Total |
| 1 | 2014 | 24 | 44 | 68 | 18 | 33 | 51 |
| 2 | 2015 | 24 | 33 | 57 | 15 | 30 | 45 |
| 3 | 2016 | 31 | 50 | 81 | 27 | 44 | 71 |
| 4 | 2017 | 39 | 54 | 93 | 25 | 72 | 77 |
| 5 | 2018 | 24 | 50 | 74 | 18 | 48 | 66 |
| 6 | 2019 | 27 | 45 | 72 | 23 | 43 | 66 |

**6.5.4.2. Number of students in theory and Practical classes**

| S. No. | Name of the Programme | Total intake/ Year | Batch of students in theory class | Batch of students in practical class |
|---|---|---|---|---|
| 1 | 2015 - B. Sc. (Ag.) | 57 | 57 | 28 + 29 |
| 2 | 2016 – B. Sc. (Hons.) Agri. | 81 | 81 | 40 + 41 |
| 3 | 2017 - B. Sc. (Hons.) Agri. | 93 | 93 | 46 + 47 |
| 4 | 2018 - B. Sc. (Hons.) Agri. | 74 | 74 | 37 + 37 |
| 5 | 2019 - B. Sc. (Hons.) Agri. | 72 | 72 | 36 + 36 |

**6.5.4.3. Admission Process: (UG Programme)**

Admission to the Undergraduate programme is purely on merit basis based on common entrance examination conducted for combined admission into B. Sc. (Hons.) Vety., B. Sc. (Hons.) Agriculture, B. Sc. (Fisheries), B. Sc. (Hons.) Horticulture.Combined counselling would be conducted at the University Head quarter's at Lam, Guntur with representatives from three universities *viz.*, Acharya N G Ranga Agricultural University, Lam, Guntur, Dr. Y. S. R Horticultural University, Venkataramannagudem and S. V. Veterinary University, Tirupati. Students would gain admission to the respective college based on their preference to a particular course as per the regulations laid down by the University.

***Fee payment mechanism:***

Students are required to pay semester fee, examination fee and other fee as prescribed by the University.

***Registration procedure:*** Students who have received notification of admission from the University will receive on arrival, guidelines for registration from the Associate Dean of the respective college. A registration and orientation programme would be conducted by the Associate Dean of the college for the benefit of students joining the university for the first time.

The student have to register for the set of courses in toto for the batch fill in the registration cards in person. The students having backlog courses

***Academic schedule publication at start of Semester:***A common academic calendar for all the affiliated and constituent colleges of ANGRAU, would be communicated by the university at the commencement of semester. Information on dates for registration, last date of registration, late fees, schedule for mid semester examination, practical examination, preparation holidays and dates for semester final theory examination would be communicated well in advance to the students.

**6.5.4.4. Conduct of Practical and Hands on training:**

The students are divided into two batches and practical classes are held for a duration of two and half hours to each batch. Field visits are also arranged to expose the students to the real

field situation. Exposure visits to Biological control labs, KVK, CTRI and industries are being arranged to acquaint the students to different techniques

***Hands on training in different courses***

| S. No. | Department | Remarks |
|---|---|---|
| 1. | **Plant Breeding** | • In the practical sessions, the students are trained on floral biology and techniques of identification of plant species<br>• The students gain knowledge on anthesis and pollination of field crops<br>• During the ELP programme, the students are involved in the seed production which enables them to gain knowledge and skill in different farm operations |
| 2. | **Agronomy** | • Students involve in field operations during the practical sessions.<br>• They gain expertise in preparatory operations, gain knowledge and skill in handling the farm implements, application of manures, fertilizers and weedicides.<br>• The students are also trained in using the farm machinery like mechanical weeders and spraying equipment<br>• Students are trained in irrigation methods , calculation of dosage of fertilizers for different crops |
| 3. | **Soil Science and Agricultural Chemistry** | • The college has a well equipped laboratory which enables the students to gain knowledge and skill in soil and water analysis<br>• The students are trained in identification of nutrient deficiencies<br>• During the ELP programme, the students establish vermicompost unit and generate income by selling the manure |
| 4. | **Entomology** | • Students gain knowledge on laboratory and field diagnosis of insect pests in the practical sessions<br>• They are acquainted with the method of preparation of insecticidal solutions and their application<br>• The students collect the insect pests and display them depicting the entire life cycle in the insect boxes for which marks are being allotted. |
| 5. | **Agricultural Economics** | • Students gain experience on conducting surveys in the village to know the socio economic situation, livelihood status and also marketing facilities available to the farmers<br>• The students learn to assess the farm budget and prepare alternate farm plans during the Student Ready Programme<br>• They also gain knowledge on analysing profitability of the practices adopted by the farmers in farming<br>• Visits are being arranged to financial institutes and Cooperative societies , Warehouses to enable the students to know the operational modalities and services offered to the farmers |
| 6. | **Plant Pathology** | • Field and laboratory diagnosis of plant diseases<br>• Survey and quantitative assessment of plant diseases<br>• Preparation of fungicides and fungicide solutions and their |

| | | |
|---|---|---|
| | | application<br>• Entrepreneurship in vegetable and fruit production and value addition through ELP |
| 7. | **Agricultural Extension** | • The practical sessions are conducted such that the students have an opportunity to enhance their communication skills. Group discussions and presentations by the students themselves enable the students to gain skill in communication.<br>• Visits are being arranged to the KVK and DAATT Centre to gain knowledge on organizing demonstrations .<br>• Tasks are assigned to the students on preparation of audio visual aids in the practical sessions<br>• Visits are also arranged to the processing units and agri based industries to enable the students to interact with the successful entrepreneurs and also to assess their strengths, weaknesses, opportunities and threats.<br>• The Student Ready Progromme facilitates the student to learn and practice the extension methods of transferring information to the farmers like maintenance of information centre, conducting skill demonstrations, group discussions and training programmes. |
| 8. | **Horticulture** | • The practical sessions enable the students to learn and practice the skills of grafting, layering and raising of nurseries<br>• During the ELP programme, the students gain hands on experience on entrepreneurial activities like value addition of vegetables and fruits<br>• Visits are also arranged to the nurseries and poly houses to enable the students to gain knowledge on grafting techniques |
| 9. | **Agricultural Engineering** | • Students are trained on operation mechanism of farm machinery ,micro irrigation techniques .<br>• Visits are arranged to the agro processing industries and to expose the students on techniques of food processing |
| 10. | **Crop Physiology** | • During the practical sessions, the students observe the germination techniques, role of plant growth regulators and physiological disorders.<br>• Field trips are arranged to enhance the knowledge on diagnosis of plant nutritional disorders and remedial measures . |
| 11. | **Statistics and Computer Application** | • The students handle the computers to learn the basic programming techniques and are given assignments on solving problems through computer programming |

**6.5.4.5. Examination and Evaluation Process:**

***System of evaluation:***The evaluation of the student in a course shall be based on his/her performance in various kinds of examinations, records, classwork and other exercises. Evaluation of student would be done at college level (mid semester examination, practical final and class work performance) and externally (semester final theory examination) also.

***Internal:*** Mid semester examination, class work performance and semester final practical examination constitute the internal component of evaluation process. Mid semester examination would be held after completion of 50% of the syllabus for aduration of one and half hours. The marks allotted for mid semester examination would be 50 marks. Papers would be evaluated by the concerned course teacher and shall be shown to students. The students have the option to request the teacher for clarification of any doubts in scoring. A provision to conduct repeat mid semester examination for students failing to attend exam under special circumstances.

***Class work performance:*** Each student would be evaluated for 50% of marks in practical component as class work performance. Course teacher awards marks based on his regularity in attending classes, submitting records, quality of records, discipline in class, involvement in solving practical problems in classes etc.

***Practical final examination:*** A practical examination for 50% of practical component would be conducted at the end of semester before preparation holidays. Practical schedule would be communicated to students well in advance and examinations would be held accordingly. Practical examination would include solving exercises, identification of tools, implements, equipment that are used in their practical and a viva voce.

***External component:*** Semester final examination shall be held at the end of each semester in each course. The semester final examination in the theory portion shall be of two and half hours duration. The student shall be given two preparation holidays before commencement of semester final theory examination. After completion of final examination, each answer script would be coded to conceal the identity of the student. The coded answer scripts would be sent to the designated evaluation centre as decided by the University. The coded answer scripts of each course shall be evaluated by the course teacher at designated evaluation centre. The marks awarded to each student (coded) would again be communicated to the Associate dean of the college for preparation of performance registers and GPA report.

**6.5.4.6. NCC/ NSS/ RVC units:**

***Existence:*** National Service Scheme (NSS) is made compulsory for all the students admitted to Agricultural College, Rajamahendravaram. Two NSS units were allotted to Ag. College, Rajamahendravarm (second unit is allotted during 2017). The students registerCOCA 100 with 2 credits (0+2) exclusively meant for educating them on NSS activities .

***Functioning:*** NSS programme officers at the college through Associate Dean will work under the guidance of Programme Coordinator at University level (Dean of Student Affairs, ANGRAU). One hundred students each were allotted to an NSS unit. NSS programme officers of the college conducted service activities and special camps as per the approved annual plan of work. NSS programme officer ensured that every NSS volunteer participated in regular social service activities viz., clean and green programme, parthenium eradication programme, blood donation camps, tree plantation programme, pulse polio immunization programme etc. for atleast 2 hours/week, in addition a student also participated in the NSS special camps organized to complete the minimum requirement of NSS (250 hours of service and one special camp).

***Benefit to student development:***

NSS volunteers through their participation in regular service activities viz., tree plantation programme, clean and green programme gained first hand information on common problems in the society, students developed a sense of social responsibility and leadership qualities in organizing the programme and convincing. During special camps, students stayed in villages along with farmers for 7 days, during the period, students thoroughly understood the village situation, problems in villages (infrastructure and other facilities) and through their involvement came up with ideas for problem solving. Both regular and special camps helped students develop leadership qualities and understanding the society in which they are a part of.

**Every year NSS unit celebrates or observes the following events mentioned below**

| **Month** | **Date** | **Days** |
|---|---|---|
| January | 12th | National Youth Day |
| | 26th | Republic Day |
| | 30th | Martyr Day |
| March | 8th | International Women Day |
| April | 7th | World Health Day |
| May | 21st | Anti-Terrorism Day |
| | 31st | World No Tobacco Day |
| June | 5th | World Environment Day |
| July | 11th | World Population Day |
| August | 15th | Independence Day |
| | 20th | Sadbavana Day |
| September | 8th | International Literacy Day |
| | 15th | International Peace Day |
| | 24th | NSS Day |
| **Month** | **Date** | **Days** |
| October | 1st | National Blood Donation Day |
| | 2nd | Communal Harmony Day |
| November | 19th | National Integration Day |
| December | 1st | World AIDS Day |
| | 10th | World Human Rights Day |

## NSS ACTIVITIES



Parthenium Eradication Programme



Plastic free society

**6.5.4.7. Language laboratory:**

Language laboratory could not be established due to space constraint.

**6.5.4.8. Culture centre:**

A cultural committee is constituted with faculty members and the team members select the students, mentor them to participate in cultural programmes held at University level as well as at Inter University level.

**6.5.4.9. Personality development:**

| *S.No.* | *Name of the expert* | *Topic* | *Venue* | *Date* | *Target group* |
|---|---|---|---|---|---|
| 01. | Dr.Ameen, CFTRI, Bengaluru | Planning for JRF and other competitative examinations | Agricultural College, Rajahmudry | 03.02.2020 | Final year B.Sc. (Hons.) Agriculture students |
| 02. | Dr.Sivaprasad | Personality development programme | Agricultural College, Naira | 13.06.2017 | Teaching faculty of Agricultural College, Rajahmundry |

### 6.5.5. Physical Facilities

Total Land Area in Hectare: As the College is housed in a local Degree College, i.e. SKVT College, all the facilities available with the local College, as detailed below, are being used for this college also.

However during this period, ICAR-CTRI land measuring 21.93 acres of wetland was transferred to ANGRAU- Agricultural College for a long lease of 50 years and a MOU was signed on 17.05.2016. This land is now under the position of Agricultural College, Rajamahedravaram. A dry land measuring 58.13 acres belonging to the Endowments Department, Govt.of Andhra Pradesh was allotted to Agricultural College, Rajamahendravaram in long term lease on 08.12.2017.

| | |
|---|---|
| Academic Campus | 4 ha |
| Farm | 21.93 acres (Wet land) (Katheru farm) |
| | 58.13 acres ( Dry land ) (Nidigatla Farm) |
| Irrigated land in hectares (area and per cent of farm) | 21.93 acres (100%) |

Enclose the site plan of the college indicating the existing buildings and other planned for future and give details:

As the College is housed in a local Degree College, i.e. SKVT College, all the facilities available with the local College, as detailed below are being used for the present.

| FACILITY | HECTARES / SQ. M |
|---|---|
| Academic buildings | 310 Sq. m |
| Students hostels (Girls) | 600 Sq. m |
| Housing for staff | -- |
| Play grounds | 1 ha |
| Administrative | 70 Sq. m |
| Open spaces | 100 Sq. m |
| Garden and farms | 2 ha |
| Cattle sheds | -- |
| Health facilities | -- |
| Library | 40 Sq. m |
| Irrigation infrastructure | Conventional methods of irrigation. |
| Others | -- |

Give the following infrastructure information

| S. No. | PARTICULARS | AVAILABILITY | | | |
|---|---|---|---|---|---|
| | | No.of Unit | Plinth Area (Sq. m) | Capacity if applicable | Adequate (Yes/No) |
| | Administrative offices | 2 | 70 Sq. m | | No |
| 2. | Classrooms | 3 | 120 Sq. m | | No |
| 3. | Laboratory | 2 | 80 Sq.m | | No |
| 4. | Library | 1 | 40 Sq.m | | No |
| 5. | Housing for faculty | - | - | | No |
| 6. | Boy's hostel | - | - | - | No |
| 7. | Girl's Hostel | 1 | 600 Sq.m | 150 | No |
| 8. | Sports Complex | 1 | 1 ha | - | No |
| 9. | Guest House | - | - | - | No |
| 10. | Canteen | - | - | - | No |
| 11. | Health clinics | - | - | - | No |
| 12. | Workshops | - | - | - | No |
| 13. | Faculty club | - | - | - | No |
| 14. | Auditorium | - | - | - | No |
| 15. | Others (Specify) | - | - | - | No |

**6.5.5.1. Hostels:**

Agricultural College, Rajamahendravaram is working in SKVT College, and as on today the college does not have any buildings of their own. Girl students are accommodated in the hostels of SKR women's college and boys are accommodated in private hostels. Mess facility to girl students is provided along with the students of SKR women's hostel.

**6.5.5.2 Examination hall:**

The college does not have a separate examination hall for conducting the midterm and Semester final theory examinations. The examinations are being conducted in the classrooms and the verandah of the college Campus.

**6.5.5.3 Sports and Recreation facilities:**

The indoor and outdoor facilities available with SKVT College are utilized by the students. SKVT college campus has a outdoor facilities like Cricket, Foot ball, basket ball, shuttle badminton, Ball badminton, Volley ball courts and TT board, chess, Carroms and other indoor facilities.

**6.5.5.4. Auditorium:**

Agricultural College is utilizing the Open auditorium and indoor facility available with SKVT college for the functions like college day, Hostel Day, Fresher's day, Farewell day and all other occasions.

**6.5.5.5. Exhibition Hall / Museum:**

Agricultural College, Rajamahendravaram does not possess any separate facility for museum or exhibition hall. Hence the models / exhibits prepared by the students are stored in the store room available in the college and the same will be utilized during the exhibitions/ farmers days/ Kisan diwas etc.

**COLLEGE INFRASTRUCTURE**

The University has sanctioned an amount of Rs.24.0 crores for the construction of boy's hostel, girl's hostel and college main building in Katheru farm of Agricultural College, Rajamahendravaram. The details of the progress of the civil works is furnished hereunder.

**Main academic block**

Initially an amount of Rs.8.0 crore was sanctioned by ANGRAU for the academic block to initiate the work for ground as well as first floor (G +1). The piles construction work is under progress and the piles are constructed with mechanized augers up to a depth of 9 m with 600 mm diameter. The reinforcement with 12 iron rods of 16 mm diameter is provided. Out of 385 piles sanctioned, 193 piles were completed sofar with cement concrete and M-30 Mixture is being used for construction piles as per design. The construction of building will be completed by the end of August, 2021 (an additional amount of Rs.8.0 crores was sanctioned for the completion of academic block and hence the total construction cost become Rs.16.0 crores).

**Boy's Hostel Block**

For the Boy's Hostel Block, an amount of Rs. 4.0 Crores was sanctioned for construction of ground and first floor (G+1). As on today 200 piles and their respective pile caps were completed. The reinforcement with a height of 2 ½ feet (0.75 m) was prepared with 25 mm and 16 mm diameter iron rods, respectively for pile caps and columns. Completed lane Cement Concrete (PCC) work with a mixture of 1:5:10 (Cement: Sand: Kankar (40 mm) up to a depth of 0.15 m (6 inches) from the existing ground surfacebefore construction of pile caps.

**Girl's Hostel Block**

For Girl's Hostel Block an amount of Rs. 4.0 Crores was sanctioned for construction of ground and first floor (G+1). The piles are constructed with mechanized augers up to a depth of 5 m for each pile and as on today 186 piles and their respective pile caps were completed. The reinforcement with a height of 2 ½ feet (0.75 m) was prepared with 25 mm and 16 mm diameter iron rods, respectively for pile caps construction and columns.

Layout of Academic Main Building
AGRICULTURAL COLLEGE, RAJAMAHENDRAVARAM





**BOY'S HOSTEL CONSTRUCTION IS IN PROGRESS**



**GIRL'S HOSTEL CONSTRUCTION IS IN PROGRESS**



**ACADEMIC BLOCK CONSTRUCTION IS IN PROGRESS**

**6.5.6.Research Facilities :** NIL

**6.5.6.1.Postgraduate Laboratories and Equipments: NIL**

**6.5.6.2.Research Contingency:**

No Master's and Doctoral degree programmes offered in this College

**6.5.7. Outcome/Output**

**6.5.7.1. Student Performance in National Examinations:**

| *Year of admission* | *Passed out year* | *No.of students intake* | *No.of students passed out* | *No.of students secured JRF* |
|---|---|---|---|---|
| 2011 | 2015 | 45 | 40 | |
| 2012 | 2016 | 48 | 48 | |
| 2013 | 2017 | 44 | 41 | |
| 2014 | 2018 | 52 | 51 | **5*** |
| 2015 | 2019 | 45 | 45 | **2*** |
| 2016 | 2020 | 77 | 65 | JRF examination 2020 could not be happened so far |

*** Details of the students of Agricultural College, Rajamahendravaram secured JRF examination**

| *S.No* | *Name of the student* | *ID No* | *Year of JRF examination* | *Post Graduation* |
|---|---|---|---|---|
| 1 | Pravallika D R | KA/ 14-34 | 2018 | MBA(ABM), PJTSAU, Rajendranagar, Hyderabad |
| 2 | Ramesh G V | KA/ 14-38 | 2018 | M.Sc. (Ag.) Plant Pathology, UAS, GKVK, Bengaluru, Karnataka |
| 3 | Vinod kumar N | KA/ 14-55 | 2018 | M.Sc. (Ag.) Agronomy, UAS, Dharwad, Karnataka |
| 4 | Naveena S | KA/ 13-19 | 2018 | M.Sc. (Ag.) Plant Pathology Dr. Rajendra Prasad Central Agicultural University, Pusa, Bihar |
| 5 | Rajendra L | KA/ 13-26 | 2018 | M.Sc. (Ag.) (GPBR), UAS, Dharwad, Karnataka |
| 6 | Anil Kumar G | KA/ 15-03 | 2019 | M.Sc. (Ag.) in Entomology, UAS, Bangalore, Karnataka. |
| 7 | Jyotshna Padmavathi Patnaik R | KA/ 15-19 | 2019 | M.Sc. (Ag.) in Entomology, Anand Agricultural University, Anand, Gujarat. |
| 8 | Srivalli M. | KA/15-47 | 2019 (Non-JRF) | Masters in Business Administration (ABM), UAS, Bangalore |
| 9 | Sreebala V.P. | KA/15-43 | 2019 (Non-JRF) | PG Diploma in Agri-Business Management in NAARM - ICAR, Hyderabad. |

**6.5.7.2. Student Placements Profile**

| **Batch** | **Passed out** | **Students intake** | **Students passed out** | **Govt.** | **Private** | **Total** |
|---|---|---|---|---|---|---|
| 2011 | 2015 | 45 | 40 | 15 | 8 | 23 |
| 2012 | 2016 | 48 | 48 | 6 | 7 | 13 |
| 2013 | 2017 | 44 | 41 | 0 | 20 | 20 |
| 2014 | 2018 | 52 | 51 | 15 | 4 | 19 |
| 2015 | 2019 | 45 | 45 | 21 | 4 | 25 |
| 2016 | 2020 | 77 | 65 | - | | |

**6.5.7.3. Award/recognition/certificates**

**1) Students**

| *Year* | *Name of the Award/Honors* | *Details of the Award* | *Level (I/N/S or U/O)* |
|---|---|---|---|
| 2016 | Dr.B.R.Ambedkar Gold Medal, ANGRAU was awareded to Miss Mercy Grace, KA/10-12 | For securing highest OGPA among 2014 batch SC and ST students of B.Sc.(Ag) of ANGRAU | University level |

**2) Faculty**

| *Year* | *Name and Designation* | *Name of the Award/Honors* | *Details of the Award* | *Level (I/N/S or U/O)* |
|---|---|---|---|---|
| 2015 | Dr. J. Krishna Prasadji Professor & Head (Plant Pathology) | State Award for University Teachers | State Award for University Teachers 2015 awarded by the Govt of Andhra Pradesh | State level |
| 2015 | Dr. S. Krishnam Raju, Professor (Plant Pathology) | Outstanding contribution award to RARS, Maruteru | Contribution to AICRIP on rice from last 50 years for improvement of rice varieties and technologies | National level |
| 2017 | Dr. P. Munirathnam, Professor & Head (Agronomy) | Ugadi Puraskaralu | Best Scientist Award | State Award |
| 2015 | Dr. K.M. Dakshina Murthy, Associate Professor (Agronomy) | ICRISAT science award | Outstanding scientific article award | International |
| 2015 | | Certificate of Appreciation | CSIRO, Australia | International |
| 2017 | | ICRISAT science award | First Grant from a New Donor award | International |
| 2018 | | ICRISAT science award | Outstanding scientific article award | International |
| 2018 | | ICRISAT science award | Outstanding Partnership award | International |
| 2016 | Dr. Ch. Sreenivas, Professor (SS & AC) | UgadiPuraskarams | Government of Andhra Pradesh | State |
| 2016 | | Best Paper Presentation | National Conference in Agri Nanotechnology, Tirupathi | National |

| | | | | |
|---|---|---|---|---|
| 2015 | | Appreciation award by District Collector | On 15th August,2015 during Independence Day Celebrations at Eluru | District |
| 2015 | | 5o years best AICRP centre award | In DRR annual Workshop11.4.15 to 15.4.15 at DRR,Hyderabad | National |
| 2015 | Dr.M.Vijay Sankar Babu, Professor (SS & AC) | Dr.P.G.Krishna memorial Gold medal" | Acharya N.G. Ranga Agricultural University at 45thConvocation, ANGRAU at Tirupati on 4th April,2015. | |
| 2016 | **Dr.M.Vijay Sankar Babu, Professor (SS & AC)** | Distinguished Scientist award | "Astha foundation and SSDAT at Pro.Jayashankar Telangana State Agricultural University,Hyderabad on 10th Dec.,2016 for the year 2016. | |
| 2017 | | Vasantha Rao Naik team award | Indian Council of Agricultural Research at New Delhi on 16th July,2017. | |
| 2018 | | Distinguished Research Faculty | Venus International Foundation during the 4th Contemporary Academic Meet at Chennai 18thJuly, 2018. | |
| 2018 | | Best performing officer award | District administration, Ananthapuramu and Government of Andhra Pradesh on the eve of Reublic Day Celebrations (26-1-2018). | |
| 2019 | | Best performing officer award | District administration, Ananthapuramu and Government of Andhra Pradesh on the eve of Independence Day celebrations (15.08.2019) | |
| 2019 | | Padmasri Dr.I.V.Subbarao - Rythu Nestham Award-2019 | From Shri.M.Venkaiah Naidu, Vice-President of India and Dr. Tamili Sai Soundararajan, Governor of Telangana at Hyderabad on 22ndSept,2019. | |

**6.5.7.4. Employability**

1. The curriculam of B.Sc (Hons.) Agriculture was planned in such a way to provide a good platform not only for improving the academic standards but also for personality development.
2. Hands on training shall be given to the students in the curriculum for a period of first three years for identification of different pests and diseases in various crops and their management and also to understand the various location specific technologies involved in the production of various crops.
3. The students shall work in association with progressive farmers of a particular village under RAWEP (Rural Awareness Works Experience Progrmme) during the final year and gain the experience learning while doing which makes him to have perfect understanding of the subject.
4. The students shall be attached to industry for Internship programme during the final year.They shall study the objectives, management system, production and marketing structure of a particular industry as a whole.
5. During the Final year, students shall undertake an ELP (Experiential Learning Programme)during the final yearto promote professional skills and help the students to develop competence and capability, capacity building, acquiring skills, experience and confidence to start their own enterprise and turn into '' Job Creators instead of Job Seekers''.
6. Based on the different types of platforms provided by the institution, about 92% of students of Agricultural College, Rajamahendravaram have secured placements in Government and Private sectors while the rest of the students have settled as Enterpreneurs.

**6.5.8.** SSR of the College must have the SSR of all its Degree Programmes (following section 6.4), then the report of the Colleges shall be considered.

**6.5.9.** Certificate (Applicable when SSR is submitted for Programmes &College).

I, the **Dr. G. Subba Rao, Associate Dean** hereby certify that the information contained in Sections 6.5. 1 to 6.5.7.4 are furnished as per the records available in the college and degree awarding university.

Date: 18.09.2020

***Signature of Dean of the College with Date & Seal***

Associate Dean,
AGRICULTURAL COLLEGE,
Rajamahendravaram

# AGRICULTURAL COLLEGE

## Rajamahendravaram




## SELF STUDY REPORT OF THE PROGRAMME

## (for accreditation)

Acharya N.G. Ranga Agricultural University

Lam, Guntur – 533 034, Andhra Pradesh

## 6.4. Self Study Report for the Progamme

### 6.4.1. Brief History of the Degree Programme:

The Agricultural College, Rajamahendravaram was established by the Acharya N G Ranga Agricultural University as its constituent college in the academic year 2008-09 to offer B.Sc (Ag) degree programme. Since 2016 (as per the V Deans' committee's recommendations the nomenclature of the degree programme offered is changed to B. Sc (Hons.) Agriculture.

**Objectives**

a) The chief objective of the college is to generate qualified and skilled manpower in agriculture and allied sectors.
b) Production of quality breeder's seed of rice varieties to meet the demand in the seed chain.
c) To transfer latest agricultural technology in the area through adopted village programme, farmers' training and training of officials of the Dept of Agriculture and other allied departments.

**Achievements**

**A. Students' performance**

| ***Batch*** | | ***Students' Performance*** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ***Number of students*** | | ***Master's admissions*** | | | | ***Placement*** | | |
| Year of admission | Year of pass out | Intake | Passed out | ANGRAU | JRF | Non JRF/other SAUs | MBA | Govt sector | Private sector | % |
| 2008 | 2012 | 24 | 24 | 5 | - | 2 | - | 10 | 7 | 100 |
| 2009 | 2013 | 27 | 25 | 8 | - | 1 | - | 5 | 11 | 93 |
| 2010 | 2014 | 33 | 30 | 6 | - | 1 | - | 10 | 13 | 91 |
| 2011 | 2015 | 45 | 40 | 7 | - | 7 | - | 15 | 8 | 93 |
| 2012 | 2016 | 48 | 48 | 26 | - | 7 | - | 6 | 7 | 96 |
| 2013 | 2017 | 44 | 41 | 13 | - | 4 | - | 0 | 20 | 91 |
| 2014 | 2018 | 52 | 51 | 7 | 5 | 17 | 2 | 15 | 4 | 98 |
| 2015 | 2019 | 45 | 45 | 5 | 2 | 8 | 2 | 20 | 4 | 93 |
| 2016 | 2020 | 66 | - | - | - | - | - | - | - | - |



**G. Anil Kumar**
**(6th RANK)**



**M. Srivalli**
**(27th RANK)**



**Jyosna Padmavathi Patnaik**
**(28th RANK)**



**V.P. Sreebala**
**(CAT - 74%)**

**Performance of students in Post Graduate Entrance Examination of ANGRAU (2019)**

**B. Seed Production**

| *Year & Season* | *Crop/Variety* | *Class of seed* | *Quantity produced (Q)* | *Amount realised (Rs in lakhs)* |
|---|---|---|---|---|
| Rabi 2015-16 | Rice/MTU 1010 | Breeder's seed | 64.50 | 3.97 |
| Kharif 2018-19 | Rice/MTU 1156 | Foundation seed | 70.71 | 2.47 |
| Rabi 2018-19 | Rice/MTU 1156 | Foundation seed | 100.00 | 3.50 |
| Kharif 2019-20 | Rice/MTU 1153 | Breeder's seed | 40.50 | 2.86 |
| Rabi 2019-20 | Rice/MTU 1153 | Breeder's seed | 50.40 | 3.55 |





### 6.4.2. Faculty Strength:

Faculty positions for B.Sc (Hons.) Agriculture degree programme only

| *S. No.* | *Sanctioned Faculty* | *Faculty in place* | *Vacant position* | *Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies* |
|---|---|---|---|---|
| 1 | Professor | 1 | 1 | 3 |
| 2 | Associate Professor | 5** | 6 | 8 |
| 3 | Assistant Professor | 6+4$+6**+4@ | 3 | 34 |

****** promoted as Professor under CAS

**$** promoted as Associate Professor under CAS

**@**Two Teaching Associates are engaged to complete curriculum in respect of LSPM (LSPM 201) and Biochemistry (BICM 101 and BICM 300) courses and two teachers on contract basis to teach English (ENGL 101) and PT (COCA 100 and COCA 200) courses

### 6.4.3. Technical and Supporting staff:

| *S. No.* | *Sanctioned Staff* | *Staff in posiiton* | *Vacant position* | *Staff recommended by the ICAR/UGC/VCI/ other regulatory bodies* |
|---|---|---|---|---|
| 1 | Associate Dean | 1 | - | 1 (as Dean) |
| 2 | PA to Associate Dean | - | - | 1 |
| 3 | Admin officer | 1 | - | |
| 4 | Asst Accounts Officer | 1 (Off Supdt) | - | 1 |
| 5 | Asst Academic officer | 1 (Off Supdt) | 1 | 1 |
| 6 | Sr Assistants | 3 | 3 | 3 (as Assistants) |
| 7 | Jr Assistant | 2 (OS) | 2 (OS) | 11 (as Assistants) |
| 8 | Lab Assistants | 1+ 8 (OS) | - | 19 |
| 9 | Field Assistants | 2 (AEO) | - | 13 |
| 10 | Farm Manager | Regular faculty | - | 1 |
| 11 | Driver | 2+1 (OS) | - | 1 |
| 12 | Store Keeper | 1 (JACT) | - | 1 |
| 13 | Instrumentation Engineer | - | - | 1 |

| *S. No.* | *Sanctioned Staff* | *Staff in posiiton* | *Vacant position* | *Staff recommended by the ICAR/UGC/VCI/ other regulatory bodies* |
|---|---|---|---|---|
| 14 | Instrumentation Technician | - | - | 1 |
| 15 | Assistant Librarian | 1 (TA) | - | 1 |
| 16 | Shelf Assistant | 1 | - | 1 |
| 17 | Phy Edu Asst Prof | - | - | 1 |
| 18 | Phy Edu Attendant | - | - | 1 |
| 19 | Wardens | Regular faculty | - | 2 |
| 20 | Care Taker | - | - | 2 |
| 21 | Jr Engineer | Eng div of Univ in RJY | - | 1 |
| 22 | Security Asst | Security Engaged on OS | - | 1 |

**6.4.4. Classrooms and Laboratories:**

| *S. No.* | *Departments* | *Name of Laboratories* |
|---|---|---|
| 1. | Genetics and Plant Breeding | Genetics Lab, Seed Science Lab, Tissue culture |
| 2. | Soil Science and Agricultural Chemistry | Soil, Plant and Water analysis Lab |
| 3. | Entomology | Taxonomy |
| 4. | Plant Pathology/ Microbiology | Taxonomy and Phyto-pathology, Microbiology |
| 5. | Plant Physiology | Environmental Science, Growth Analysis |
| 6 | Statistics and mathematics | Advanced computer lab and ARIS cell |

**6.4.5. Conduct of Practical and Hands-on-Training:**

a. Farm operations in general like lay out, ploughing, levelling, bunding, sowing, transplanting, spraying, harvesting, etc.
b. Specific crop operations of all major crops grown in the region
c. Plant breeding techniques, tissue culture and techniques in plant molecular biology
d. Field and laboratory diagnosis of pests, diseases, disorders (deficiencies and stresses), weeds, etc.
e. Integrated management of pests, weeds, diseases, disorders, etc.
f. Soil, water, fertilizer and manure chemical analysis
g. Operation and use of farm equipment and machinery
h. Irrigation methods

i. Propagation of horticultural crops: layering, budding, grafting. Canopy management and value addition
j. Conducting farmers' training programmes, FLDs, OFTs, method and result demonstrations
k. Assessment of cost of cultivation, marketing of agricultural commodities using market intelligence
l. Soft skills in computers, communication and personality development
m. Entrepreneurship skills under ELP in Seed Production, Sweet Corn Production, Vermicompost Production and Fruit and Vegetable Production

**6.4.6. Supervision of students in PG/Ph.D. Programmes:**

No Master's and Doctoral degree programmes offered in this College

**6.4.7. Feedback of stakeholders (Students, parents, industries, employers, farmers etc.):**

The feeback from the alumni and their parents, employers and farmers has been in general satisfactory about Agricultural College, Rajamahendravaram. The alumni are now employed with Government departments, Agricutural Universities and Private sector companies have expressed that their training in the college during the period of their graduation is keeping them good stead in performing their duties. Many of them have made a mark in their respective organizations which is evident from the positive responses of their employers.

**6.4.8. Student intake and attrition in the programme for last five years:** Year wise information on sanctioned strength, actual intake and attrition in the last five years of the Degree Programme

| **Name of the Degree Programme** | **Actual student admitted in last five years** | | | | | **Attrition (%)** | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **2015-16** | **2016-17** | **2017-18** | **2018-19** | **2019-20** | **2015-16** | **2016-17** | **2017-18** | **2018-19** | **2019-20** |
| **B. Sc (Hons) Agriculture** | 48 | 44 | 52 | 45 | 77 | 100 | 93 | 98 | 100 | Results awaited |

**6.4.9. ICT Application in Curricula Delivery:** ICTs (**Information Communication Technologies**)

Agricultural College, Rajamahendravaram is properly using ICTs for effective learning of the Agriculture content to the students. The college is using software, video conferencing, pen drives, Wi–fi, social media for effective teaching – learning process. The college is equipped with virtual classroom wherein zoom video conferences through zoom cloud app and Google meet. The teaching faculty is maintaining access with RAWEP,

Internship and ELP students with the help of ICTs. The students were imparted skills in using the app such as PLANTIX to learn the problems observed in the crop and to offer solutions.

**Certificate**

I, **Dr. G. SUBBA RAO**, Associate Dean hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding university.

***Date: 18.09.2020***

***Signature of Dean of the College with Date & Seal***

Associate Dean,
AGRICULTURAL COLLEGE,
Rajamahendravaram

## 6.5.1 College Administration

Dr NTR College of Agricultural Engineering, Bapatla is having Associate Dean's Office supported by Administrative Office.

### 6.5.1.1 College Dean's Office Establishment

Highest authority in College is Associate Dean. Faculty Dean of Agricultural Engineering and Technology is positioned at Acharya N.G. Agricultural University head quarters at Lam, Guntur, Andhra Pradesh. Office Staff of the College shown under Section 6.4.3 of B.Tech. (Agricultural Engineering) degree programme are responsible for all the activities of B.Tech. (Agricultural Engineering), M.Tech. (Agricultural Engineering) and Ph.D. (Agricultural Engineering) degree programmes.

There is a Associate Dean position available in the College. Associate Dean is nominated as per the seniority of the Professor in Faculty of Agricultural Engineering and Technology. Normally, Associate Dean's tenure is for two years and it may be extended further based on the requirement. Present Associate Dean is Dr S. Joseph Reddy joined in the present position on 06-07-2020.

Associate Dean is having a separate office with conference table to accommodate 10 people. Associate Dean is equipped with computer, black and white printer, color printer, internet LAN facility, surveillance CC camera network, fridge, etc. There is a separate meeting hall with audio system available adjacent to Associate Dean's chamber. Administrative Office is established separately in two different halls having full-fledged office furniture. All staff members are provided with furniture, computer, internet LAN facility, etc.

### 6.5.1.2 Monitoring Mechanism for Quality Education (On-line)

Student-Teacher Council (STC)is formulated every year with academic toppers from all the classes of B.Tech. (Agricultural Engineering), M.Tech. (Agricultural Engineering) and Ph.D. (Agricultural Engineering), active students those participate in sports, games, cultural and literary activities and teachers who are having additional duties connected with the students. The Council meat once in a Quarter and discuss about improvements to be taken up in the College related to academics, co-curricular and extra-curricular activities, etc.

Apart from Student-Teacher Council meetings being held regularly, all classrooms, laboratories, examination hall, all premises of the College, etc. are connected with surveillance CC cameras to continuously monitor the teaching activities both in classrooms and laboratories. Video of each camera is recorded in the system.

**Student-Teacher Council Members**

| Sl. No. | Name of the Faculty/Student | Council Position |
|---|---|---|
| 1 | Dr. A. Mani, Associate Dean | Chairman |
| 2 | Dr. L. Edukondalu, Associate Professor and OSA | Convener |
| | **Staff members** | |
| 1 | Dr. B.V.S. Prasad, Professor & Head | Member |
| 2 | Dr. G. Ravi Babu, Professor & Head | Member |
| 3 | Dr. H.V. Hema Kumar, Professor & Head | Member |
| 4 | Dr. K. V. S. Rami Reddy, Associate Professor | Member |
| 5 | Dr. B. Sreenivasula Reddy, Assistant Professor and Warden | Member |
| 6 | Er. N. Vinoda, Assistant Professor and Library incharge | Member |
| 7 | Er. B. Raj Kiran, Assistant Professor | Member |
| 8 | Er. K.N. Raja Kumar, Assistant Professor | Member |
| 9 | Er. K. Krupavathi, Assistant Professor | Member |
| 10 | Er. R. Ganesh Babu, Assistant Professor | Member |
| 11 | Sri. I. S. Naidu, Part-time Physical Director | Member |
| 12 | Sri. S. Srinivas, Administrative Officer | Member |
| | **Student Members** | |
| 1 | Mr. N. Nagahari Sairam, Ph.D., I Year | Member |
| 2 | Ms. K.T. Arya, Ph. D., I year | Member |
| 3 | Ms. S. Pavana Deepthi, M. Tech., I Year | Member |
| 4 | Mr. K. Santosh, M. Tech., I Year | Member |
| 5 | Ms. B. Namratha, M. Tech., II Year | Member |
| 6 | Ms. C. Pallavi, M. Tech., II Year | Member |
| 7 | Mr. K. Subrahmanyam, B.Tech., IV Year | Member |
| 8 | Ms. K. Pavithra, B.Tech., IV Year | Member |
| 9 | Mr. Vishesh Jain, B.Tech., IV Year | Member |
| 10 | Mr. M. Ram Prakash, B.Tech., III Year | Member |
| 11 | Mr. Gulshan Kumar, B.Tech., III Year | Member |
| 12 | Ms. M. Mikhilya, B.Tech., III Year | Member |
| 13 | Ms. Priyanka Kumari, B.Tech., II Year | Member |
| 14 | Mr. M. V. Praveen, B.Tech., II Year | Member |
| 15 | Ms. K.V.L. Supraja, B.Tech., II Year | Member |
| 16 | Ms. K. Sonika, B.Tech., I Year | Member |
| 17 | Mr. T. Sai Krishna, B.Tech., I Year | Member |
| 18 | Mr. Tejas Shrivas, B.Tech., I Year | Member |



**Student-Teacher Council Meeting during 2019-20**

### 6.5.1.3 CC/Board of Studies

There is no CC at department level and Board of Studies for the College. Instead Faculty Board meeting is being held at University level twice in a year to improve the academics at College level. Dr NTR College of Agricultural Engineering, Bapatla implements the decisions of the University without any deviation.

### 6.5.1.4 Anti-Ragging Cell

College is having Anti-Ragging Cell, formulated every year, which consists of Associate Dean, Officer In-Charge of Student Activities as Convener, Deputy Superintendent of Police, Circle Inspector of Police, Mandal Revenue Officer, Advocate, Department Heads, Officer In-Charge of Academic Matters of UG and PG, faculty, Physical Director, students of II, III and Final Year B.Tech. (Agricultural Engineering), parents of the students, Reporters of Daily News Papers, Reporters of News Channels, Secretaries of NGOs, etc. This Cell monitors the any eventuality of the ragging case in the campus. Apart from Anti-Ragging Cell, there is a Disciplinary Action Committee existing in the College for taking any further action on the erring students.

**List of Members of Anti-Ragging Committee**

| Sl. No. | Name of the member | Designation | Mobile No. | Representation from |
|---|---|---|---|---|
| 1 | Dr A. Mani | Associate Dean | 9989625205 | Teaching Faculty |
| 2 | Dr A.Ashok Kumar | Asst. Professor, OSA & Convener | 9177522213 | Teaching Faculty |
| 3 | Sri Someswara Rao P. | Deputy Superintendent of Police, Bapatla (Member) | 9440796165 | Police Administration |
| 4 | Sri Ashok Kumar.B | Circle Inspector of Police | 9440796171 | Police Administration |
| 5 | Sri K.Srinivas | Mandal Revenue Officer (Member) | 9849904020 | Civil Administration |
| 6 | Sri R. Venkateswarulu | Advocate, Bapatla | 9985304129 | Advocate |
| 7 | DrC.Ramana | Professor and University Head | 9440914961 | Teaching Faculty |
| 8 | Dr BVS Prasad | Professor and University Head | 8008373741 | Teaching Faculty |
| 9 | Dr G. Ravi Babu | Professor & OAM (P.G.) | 9848572321 | Teaching Faculty |
| 10 | Dr H.V. Hema Kumar | Professor & Head | 8179815632 | Teaching Faculty |
| 11 | Er K.V.S. Rami Reddy | Assoc. Professor | 9490845917 | Teaching Faculty |
| 12 | Dr B. Hari Babu | Assoc. Professor & OAM (U.G) | 9440944597 | Teaching Faculty |
| 13 | Dr L. Edukondalu | Assoc. Professor | 9491351261 | Teaching Faculty |
| 14 | Er B. Raj Kiran | Assistant Professor | 9177345631 | Teaching Faculty |
| 16 | Er K. N. Raja Kumar | Asst. Professor | 9848390891 | Teaching Faculty |
| 17 | Er R. Ganesh Babu | Assistant Professor | 9441392044 | Teaching Faculty |
| 18 | Ms Er. K. Lavanya | Assistant Professor | 9295350600 | Teaching Faculty |
| 19 | Ms Er. K. Krupavati | Assistant Professor | 9533877666 | Teaching Faculty |
| 20 | Ms Er. N. Vinoda | Assistant Professor | 9849724314 | Teaching Faculty |
| 21 | Sri S. Srinivasa Rao | Administrative Officer | 6300864072 | Non-Teaching |
| 22 | Sri I.S. Naidu | Part-Time Physical Director | 9848533448 | Teaching Faculty |
| 23 | Mr Vimochana Rao P. | ID No. ME-16-40 | | IV year student |
| 24 | Mr K. Anji Babu | ID No. BE 16-008 | 7780572131 | IV year student |
| 25 | Mr Ganesh Nakkala | ID No. BE 17-012 | 9182571994 | III year student |
| 26 | Sri Mikhilya Nagavarapu | ID No. BE 17-024 | 9494965646 | III year student |
| 27 | Mr Veera Babu. B | ID No. BE 18-055 | | II year student |
| 28 | Ms Harika. B | ID No. BE-18-16 | 9441414976 | II year student |
| 29 | Sri K. Krishna Rao | Parent | 8985604219 | Parent of IV year student ( K. Anji Babu) |
| 30 | Sri N. Sreenu | Parent | 8978839216 | Parent of III year student (Ganesh Nakkala) |
| 31 | Sri B.Veeranagaiah | Parent | 9441414976 | Parent of II year student (Harika. B) |
| 32 | Sri G. Suresh Kumar | Reporter, Eenadu Daily News paper | 9985192637 | Media representative |

| | | | | |
|---|---|---|---|---|
| 33 | Sri B. Dhan Raj | Reporter, Andhra Jyothi Daily News paper | 9985411240 | Media representative |
| 34 | Sri Anjaiah | Reporter, Sakshi Daily News paper | 9505517849 | Media representative |
| 35 | Sri V. Srinivasa Rao | Reporter, Gemini News | 8019945257 | Media representative |
| 36 | Sri B. Sambaiah | Secretary, Adarsa Educational Society, Karlapalem | 9866725646 | Representative of NGO |
| 37 | Sri B.S. Narayana Bhattu | Secretary, Red Cross Society, Bapatla. | 9346911199 | Representative of NGO/Voluntary Organization |
| 38 | Sri P.C. Sai Babu | Secretary, Forum for Better Bapatla, Bapatla | 9963521857 | Representative of NGO/Voluntary Organization |

**Anti-Ragging Squads**

***Anti Ragging Squad – I***

1. Chairman : Dr. B.V.S. Prasad, Professor and Head, Dept .of Processing and Food Engineering, Dr.NTR CAE, Bapatla.
2. Member : Dr B. Hari Babu, Associate Professor, Dept. of Farm Machinery and Power Engineering, Dr.NTR CAE, Bapatla.
3. Member : Dr L. Edukondalu, Associate Professor, Dept .of Processing and Food Engineering, Dr.NTR CAE, Bapatla.
4. Member : Er K. Krupavathi, Assistant Professor, Dept of Soil and Water Engineering, Dr.NTR CAE, Bapatla.
5. Member : Ms S. Archana, Third Year Student, Dr.NTR CAE, Bapatla.
6. Member : Mr G. Naga Tata Rao, Second Year Student, Dr.NTR CAE, Bapatla.

***Anti Ragging Squad – II***

1. Chairman : Dr G. Ravi Babu, Professor and Head, Dept .of Irrigation and Drainage Engineering, Dr.NTR CAE, Bapatla.
2. Member : Dr K.V.S.Rami Reddy , Associate Professor, Dept. of Farm Machinery and Power Engineering, Dr.NTR CAE, Bapatla.
3. Member : Dr B.Sreenivasula Reddy, Asst. Professor, Dept .of Processingand Food Engineering, Dr.NTR CAE, Bapatla.
4. Member : Er N. Vinoda, Assistant Professor, Dept. of Farm Machinery and Power Engineering, Dr.NTR CAE, Bapatla.
5. Member : Er B. Raj Kiran, Assistant Professor, Dept. of Farm Machinery and Power Engineering, Dr.NTR CAE, Bapatla.
6. Member : Ms Bhargavi Karri, Third Year Student, Dr.NTR CAE, Bapatla.
7. Member : Mr Shashwat Maurya, Second Year Student, Dr.NTR CAE, Bapatla

**List of Members of Disciplinary Committee during 2016-2020**

| Sl. No. | Name | Designation | Position |
|---|---|---|---|
| 1 | Dr B.V.S. Prasad | Professor and Head | Chairman |
| 2 | Dr G. Ravi Babu | Professor and Head | Member |
| 3 | Dr H.V. Hema Kumar | Professor and Head | Member |
| 4 | Dr K.V.S. Rami Reddy | Associate Professor and Head | Member |
| 5 | Dr. R. Ganesh Babu | Assistant Professor | Member |
| 6 | Dr K. Krupavathi | Assistant Professor | Member |

### 6.5.1.5 Biological Waste Disposal Facility

College is not producing any chemical, biological, radioactive, universal and recyclable wastes in the Departments. However, the waste produced out of greenery like dry leaves, twigs, etc. are incorporated in the soil. There is no separate disposable facility available.

### 6.5.1.6 Institutional Ethics Committee for Experiments on Animals

This College does not participate in animals related research and do not conduct experiments on animals.

### 6.5.1.7 Committee for Prevention of Sexual Harassment of Women at Work Places

College is having a Women Protection Cell to maintain decorum in work places. Members of the Women Protection Cell are

1. Dr A. Mani, Professor
2. Dr M. Venkata Suneela, Assistant Professor
3. Smt. T. Anjamma, Office Subordinate

## 6.5.2 Faculty

Dr N.T.R. College of Agricultural Engineering, Bapatla is having dedicated faculty to teach all the courses of B.Tech. (Agricultural Engineering), M.Tech. (Agricultural Engineering) and Ph.D. (Agricultural Engineering) and handle the research projects of students smoothly.

### 6.5.2.1 Faculty Strength

Faculty of the College to handle B.Tech. (Agricultural Engineering) degree programme are also responsible for running the M.Tech. (Agricultural Engineering) and programmes Ph.D. (Agricultural Engineering).

**Sanctioned and In-Position Faculty at Dr NTRCAE, Bapatla**

| Sl. No. | Position | Sanctioned Faculty | Faculty in Place | Vacant Positions | Faculty Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Associate Dean | 1 | 1 | 0 | 1 |
| 2 | Professor | 5 | 4 | 1 | 7 |
| 3 | Associate Professor | 7 | 2 | 5 | 13 |
| 4 | Assistant Professor | 13 | 10 | 3 | 24 |
| | Total | **26** | **17** | **9** | **45** |

### 6.5.2.2 Faculty Profile (Department-wise)

**Sanctioned and In-Position Faculty Department-wise at Dr NTRCAE, Bapatla**

| Sl. No. | Department | Assistant Professor | | Associate Professor | | Professor | | Total | |
|---|---|---|---|---|---|---|---|---|---|
| | **Faculty / Department** | **SS** | **IP** | **SS** | **IP** | **SS** | **IP** | **SS** | **IP** |
| | | **10+1^+2 =13** | | **5+2= 7** | | **1+5= 6** | | **26** | **17** |
| 1 | Associate Dean | - | - | - | - | 1 | 1 | **1** | **1** |
| 2 | Farm Machinery and Power Engineering | 3 | 3 | 2 | 1 | 1 | - | **6** | **4** |
| 3 | Processing and Food Engineering | 3 | 3 | 2 | - | 1 | 1 | **6** | **4** |
| 4 | Irrigation and Drainage Engineering | 2 | 2 | 1 | - | 1 | 1 | **4** | **3** |
| 5 | Soil and Water Conservation Engineering | 2 | 2 | 1 | - | 1 | 1 | **4** | **3** |
| 6 | Renewable Energy Engineering | 1 | 1 | - | - | 1 | - | **2** | **1** |
| 7 | Basic Engineering and Applied Sciences | 2* | 1 | 1** | - | - | - | **3** | **1** |
| | **Total number of posts** | **13** | **12** | **7** | **1** | **6** | **4** | **26** | **17** |
| | ^ Asst. Professor Post of Agricultural College, Bapatla redeployed with stocks<br>*Assistant Professor in Electrical, Electronics & Instrumentation andAgronomy/Soil Sciences<br>** Associate Professor in Mathematics<br>SS - Sanctioned Strength<br>IP - In Position<br>Out of 9 vacant posts of faculty, 4 Teaching Associates (2 full-time and 2 part-time) are engaged. | | | | | | | | |

### 6.5.2.3 Credentials of the Faculty

Faculty at Dr NTR College of Agricultural Engineering, Bapatla are well qualified. Apart from Associate Dean, out of 16 faculty, eight are with Ph.D. qualification, one with Ph.D.+PDF qualification and the rest seven with minimum qualification of M.Tech. in Agricultural Engineering.

**Faculty Educational Qualifications at Dr NTRCAE, Bapatla**

| Department | Ph.D. | M.Tech. | Post -Doc |
|---|---|---|---|
| Farm Machinery and Power Engineering | 1 | 3 | - |
| Processing and Food Engineering | 1 | 2 | 1 |
| Irrigation and Drainage Engineering | 3 | - | - |
| Soil and Water Conservation Engineering | 1 | 2 | - |
| Renewable Energy Engineering | 1 | - | - |
| Basic Engineering and Applied Sciences | 1 | - | - |
| **Total** | 8 | 7 | 1 |

**Department-wise Academic and Experience Credential of the Faculty**

| Sl. No. | Name | Designation | Highest Qualification | Experience (Years) | | |
|---|---|---|---|---|---|---|
| | | | | Teaching | Research | Extension |
| **Farm Machinery and Power Engineering** | | | | | | |
| **1** | Dr B. Hari Babu | Assoc. Prof. | Ph.D. | 13 | - | - |
| **2** | Er B. Raj Kiran | Asst. Prof. | M.Tech. | 7 | - | - |
| **3** | Er G. Veeraprasad | Asst. Prof. | M.Tech. | 2 | 5 | - |
| **4** | Er D. Vijay Kumar | Asst. Prof. | M.Tech. | 7 | - | - |
| **Processing and Food Engineering** | | | | | | |
| **5** | Dr B.V.S. Prasad | Professor | Ph.D., PDF | 20 | 6 | - |
| **6** | Dr B. Sreenivasula Reddy | Asst. Prof. | Ph.D. | 12 | 1 | - |
| **7** | Er K. Lavanya | Asst. Prof. | M.Tech. | 9 | - | - |
| **8** | Er N. Vinoda | Asst. Prof. | M.Tech. | 7 | 2 | - |
| **Irrigation and Drainage Engineering** | | | | | | |
| **9** | Dr A. Mani | Professor | Ph.D. | 21 | - | - |
| **10** | Dr K. Krupavathi | Asst. Prof. | Ph.D. | 9 | | |
| **11** | Dr R. Ganesh Babu | Asst. Prof. | Ph.D. | 9 | - | - |
| **Soil and Water Conservation Engineering** | | | | | | |
| **12** | Dr H.V. Hema Kumar | Professor | Ph.D. | 19 | 2 | - |
| **13** | Er K.N. Raja Kumar | Asst. Prof. | M.Tech. | 7 | | |
| **14** | Er I. Bhaskar Rao | Asst. Prof. | M.Tech. | 7 | - | - |
| **Renewable Energy Engineering** | | | | | | |
| **15** | Dr M. Madhava | Assoc. Prof. | Ph.D. | 15 | 3 | - |
| **Basic Engineering and Applied Sciences** | | | | | | |
| **16** | Dr D. Bhaskara Rao | Professor | Ph.D. | 33 | 2 | - |

**Training programmes/Short course/Workshops/Conferences Organized**

| Year | Title of the Training programme/ Short course/ Workshop/Conference | Period | | Venue | Organized by | Source of Funding | No. of Participants |
|---|---|---|---|---|---|---|---|
| | | From | To | | | | |
| 2018 | National Conference on "Digital and Engineering Technologies for Precision Agriculture and Value Addition & Farm Engineering Expo-2018" | 26-2-2018 | 28-2-2018 | Dr NTRCAE, Bapatla | Dr NTRCAE, Bapatla | ANGRAU & AP Agros | About 190 Scientists and students and about 5000 farmers attended |
| 2019 | National Conference on "Strategic Approaches for Developing World Class Agricultural Universities" | 19-3-2019 | 20-3-2019 | Dr. NTR CAE, Bapatla | Dr. NTR CAE, Bapatla | ANGRAU | About 102 Scientists and students attended |
| 2019 | Brain Storing Workshop on "Syllabus Review and Process of Conduct of Examinations for Polytechnics of Agricultural Engineering" | 14-06-2019 | 14-06-2019 | Dr NTRCAE, Bapatla | Dr NTRCAE, Bapatla | ANGRAU | About 54 Teachers of ANGRAU and Private Polytechnics of Agril Engg |
| 2019 | Workshop on "Finalization of Course Contents and Development of Study Material for Polytechnics of Agricultural Engineering" | 08-08-2019 | 08-08-2019 | Dr NTRCAE, Bapatla | Dr NTRCAE, Bapatla | ANGRAU | About 47 Teachers of ANGRAU and Private Polytechnics of Agril Engg |



**Plenary Session of National Conference on "Digital and Engineering Technologies for Precision Agriculture and Value Addition & Farm Engineering Expo-2018"**



**Guest of Honour Speech by Dr. Edward William Bresnyan, Jr., Senior Agriculture Economist and Team Leader, NAHEP Project, World Bank during National Conference on "Strategic Approaches for Developing World Class Agricultural Universities"**

**Total Number of Publications Year-wise**

| Year | Number of Publications | | | | | |
|---|---|---|---|---|---|---|
| | Research Papers | Books | Manuals | Study Materials | Conference Papers | Total |
| 2015 | 10 | - | - | - | 2 | **12** |
| 2016 | 17 | - | - | - | 2 | **19** |
| 2017 | 11 | 2 | 3 | - | - | **16** |
| 2018 | 33 | - | - | - | 46 | **79** |
| 2019 | 6 | - | 4 | 17 | 4 | **31** |
| 2020 | 5 | - | - | - | - | **5** |
| **Total** | **82** | **2** | **7** | **17** | **54** | **162** |

**List of Research Papers Published by Faculty**

| Sl. No. | Authors | Year | Title of the paper | Name of the Journal | Vol. and page numbers |
|---|---|---|---|---|---|
| 1 | Srigiri D., **Hari Babu B.**, Hemanth Reddy. A., Reddy. S.A and Sri Rama Satish P. | 2015 | Case study on Direct Sowing of Paddy in Selected *Mandals* of Guntur District | International Journal of Agricultural Science and Research | 5(6) :9-14 |
| 2 | **Hari Babu. B.**, Jaya Prakash R., Anil Kumar D and Prasad P. | 2015 | Ergonomical evaluation of manual and power weeders in dry land condition | International Journal of Agricultural Engineering | 8(2) :101-106 |
| 3 | Anand Babu. D., **Hari Babu. B.**, Aum Sarma and John Wesley. B. | 2015 | Modification and Evaluation of 8 Row Self Propelled Paddy Transplanter ( Yanji) to suit SRI Cultivation | The Andhra Agricultural Journal | 62(4): 923-930 |
| 4 | **Madhava. M.**, Ravindra Babu. D., Vengaiah, P.C. and **Hari Babu. B.** | 2015 | Optimization of Process Parameters for production of palmurah jiggery | Journal of Agricultural Engineering | 52(1): 14-19 |
| 5 | **Ganeshbabu, R., Bhaskararao,I** and **Rajakumar, K.N.** | 2015 | Response of Okra to Different Levels of Drip Irrigation on Growth, Yield and Water Use Efficiency | International Journal of Agricultural Engineering | 8(1): 47-53 |
| 6 | **Ganeshbabu, R.**, Ravibabu, G and **Hemakumar, H.V.** | 2015 | Estimation of crop water Requirement, Effective Rainfall and Irrigation water requirement for vegetable crops using CROPWAT | International Journal of Agricultural Engineering | 8(1): 15-20 |
| 7 | Apparao Ch., | 2015 | Performance | The Andhra | 62(4): 931- |

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|---|---|---|---|---|---|
| | Ravibabu G., Sambaiah A. and EdukondaluL. | | evaluation of developed automated drip irrigation system | Agricultural Journal | 936 |
| 8 | Nagadeepthi P., Edukondalu L., Kumar, S. and Lakshmi J. | 2015 | Studies on the development of microwave baked potato chips to optimize process parameters | The Andhra Agricultural Journal | 62 (4): 937-943 |
| 9 | Naveen Kumar, M., Edukondalu, L., SaiSupraja, Ch., Jyothi, Ch. and MaheendraReddy, J. | 2015 | Mathematical modeling of the thin layer drying of tender palm shoots (Borassus flabellifer L.) | International Journal of Food Fermentation Technology | 5(2): 237-246 |
| 10 | Kusuma G, Sahitya K, Nagakomali V, **Raj kiran, B.**, Satyanarayana Ch.V.V. | 2015 | Design and fabrication of prototype telescopic raising platform for harvesting oil palm fresh fruit bunches | Indian journal of science and technology | 8 (17), 1 -5 |
| 11 | Surekha, D., Edukondalu, L., Smith, D.D and **Rajakumar, K.N.** | 2016 | Physical properties of two banana cultivars grown in Andhra Pradesh | The Andhra Agricultural Journal | 63 (1): 199-203 |
| 12 | Srigiri. D., Anil Kumar. D., Gopi Chand. V., **Hari Babu, B**. and Basavaraj | 2016 | Cost Scenario in Traditional and Direct Method Cultivation of Paddy | Progressive Research- An International Journal | 11( II): 1217-1219 |
| 13 | **Hari Babu. B.**, Anil Kumar. D and Srigiri. D. | 2016 | Determination of Stiffness and Damping coefficient of Tractor Front tyres in Non-Rolling Conditions | International Journal of Agricultural Science and Research | 6(2): 43-52 |
| 14 | Srigiri.D, **Veera Prasad, G.**, **Raj Kiran, B.**& Edukondalu, L. | 2016 | Performance evaluation of manually operated push type multi crop planter | Indian journal of science and technology | 8 (29): 1624-1626 |
| 15 | Srigiri D, **Veera Prasad, G**., **Raj Kiran, B.**& Edukondalu, L. | 2016 | Development of single row manually operated multi-crop Planter | Indian journal of science and technology | 8 (30): 1632-1634 |
| 16 | M. Naveen Kumar, L. Edukondalu, B. Krishnakanth and M. Dileepchand | 2016 | Role of physical dimensions on milling characteristics of 17 | International Journal of Agricultural Sciences | 8(33):1690-1692 |

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|---|---|---|---|---|---|
| | | | Indian paddy varieties | | |
| 17 | M. Naveen Kumar, L. Edukondalu, M. Ambedkar and Y. Srinivas | 2016 | A comparative study on drying kinetics of tomato pulp and tomato foam | International Journal of Agricultural Sciences | 8(33):1693-1696 |
| 18 | Samreen, Ch.V.V. Satyanarayana, L. Edukondalu and M. Sandhya | 2016 | A comparative study of thermally treated and untreated sugarcane juice. | The Andhra Agricultural Journal | 63(2):415-421 |
| 19 | N.V. Gowtham Deekshithulu, G. Ravi Babu, **R. Ganesh Babu** and M. Sivarama Krishna | 2016 | Performance evaluation of developed low cost microcontroller based automated drip irrigation system | The Andhra Agricultural Journal | 63(3):694-700 |
| 20 | P. Vijaya Deepthi, Sivala Kumar, L. Edukondalu and J. Lakshmi | 2016 | Optimization of Process parameters for Extruded Sorghum Products | The Andhra Agricultural Journal | 63 (3): 680-687 |
| 21 | P. Vijaya Deepthi, Sivala Kumar, P. Srinivasa Rao, L. Edukondalu and J. Lakshmi | 2016 | Storage Studies on Extruded Sorghum Products | International Journal of Agricultural Science and Research | 6 (6) : 37-44 |
| 22 | Kishan,K., **Hema Kumar, H.V.**, Ravi Babu, G**.** and **K. Lavanya** | 2016 | Estimation of crop water requirement of TS channel command of Krishna Western Delta using CROPWAT model | The Andhra Agricultural Journal | 63(2): 396-402 |
| 23 | Rakesh, G., **Bhaskararao, I.**, Ravibabu, **G.** and Polappa, N. | 2016 | Impact assessment of watershed works on socio-economical development in Mutukula watershed, Prakasam district. | The Andhra Agricultural Journal | 63(4): 927-935 |
| 24 | **Boreddy, S.R.**, H. Thippareddi, G. Froning, and J. Subbiah | 2016 | Novel Radiofrequency Assisted Thermal Processing Improves the Gelling Properties of Standard Egg White Powder | Journal of Food Science | 81(3):E665-E671 |
| 25 | **Boreddy, S. R.,** and Subbiah, J. | 2016 | Temperature and moisture dependent dielectric properties of egg white powder | Journal of Food Engineering | 168:60-67 |
| 26 | Padma, M., **Reddy,** | 2016 | Evaluation of the | International | 12(2): 302- |

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|---|---|---|---|---|---|
| | **B. S.,** and **Madhava, M.** | | quality parameters of the turmeric rhizomes dried on different floors and conditions | Journal of Agricultural Sciences | 308 |
| 27 | M. Padma, **B. Sreenivasula Reddy** and **M. Madhava** | 2016 | Some studies on curing and drying characteristics of turmeric rhizomes | International Journal of Processing and Post-Harvest Technology | 7(1): 151-156 |
| 28 | **Krupavathi, K.**, Ravibabu**, G., Ganeshbabu, R.** and Madhusudhanreddy, K. | 2017 | Comparison of measured discharges of designed trapezoidal modified broad crested weirs and estimated discharge by WINFLUME software. | The Andhra Agricultural Journal | 64(1): 197-203 |
| 29 | **Madhava, M.**, Anand,D., and Edukondalu, L. | 2017 | Shelf life extension of papaya fruit by shrink wrapping | The Andhra Agricultural Journal | 64(1):187-193 |
| 30 | Anil Kumar, K., Satyanarayana, Ch. V. V., Edukondalu, L and Lakshmipathy, R | 2017 | Studies on processing and storage of tender coconut water | The Andhra Agricultural Journal | 64 (3): 683-689 |
| 31 | Gowtham Deekshithulu, N.V., Ravi Babu, G., **Hema Kumar, H.V.** and **Ganesh Babu, R.** | 2017 | Design of Computer Aided Drip Irrigation System Software | International Journal of Current Microbiology and Applied Sciences | 6(12): 108-118 |
| 32 | **Hema Kumar, H.V.**, Selva Thirumal, Muthu Swamy, I. and Punitha, P. | 2017 | Drainage Investigations for the design of water table management systems in AE and RI, Kumulur, Trichy District, Tamil Nadu | Current journal of applied sciences and technology | 24(1):1-9 |
| 33 | Kalyana Srinivas, D., Chandra Mouli, G., Ravi Babu, G. and **Ganesh Babu, R.** | 2017 | Crop Water Requirement and Effect of Planting Date on Yield of Gladiolus Under Polyhouse, Shade Net and Open Conditions | The Andhra Agricultural Journal | 64 (3):656-664 |
| 34 | Madhusudhan, R.K., Satyanarayana, | 2017 | Estimation of irrigation potential | The Andhra Agricultural | 64(2):421-425 |

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|---|---|---|---|---|---|
| | T.V., Ravi Babu, G., Raghu Babu, M. and Suresh Babu, A.V. | | utilization for Kanpur canal system using remote sensing and GIS | Journal | |
| 35 | Samreen, Satyanarayana, Ch.V.V., Edukondalu, L., Vengaiah, P.C. and Sandhya, M. | 2017 | Membrane processing of sugarcane juice | The Andhra Agricultural Journal | 64(2):432-441 |
| 36 | Samreen, Satyanarayana, Ch.V.V., Edukondalu, L. and Sandhya, M. | 2017 | Microbial and sensory quality evaluation of membrane processed sugarcane juice | International Journal of Current Microbiology and applied sciences | 6(3):601-608 |
| 37 | Suresh, D., Edukondalu, L., Smith, D.D. and **Raja Kumar, K.N.** | 2017 | Quality evaluation of shrink wrapped bananas | International Journal of Current Microbiology and Applied Sciences | 6(10): 2076-2084 |
| 38 | Vinay, B.J.V.S., Edukondalu, L., Sivala kumar and **Veera Prasad, G.** | 2017 | Development and evaluation of a grader for round fruits and vegetables | The Andhra Agricultural Journal | 64 (4): 891-895 |
| 39 | Gowtham Deekshithulu, N.V., Ravi Babu, G., **Ganesh Babu, R.** and Siva Ramakrishna, M. | 2018 | Development of Software for the Microcontroller Based Automated Drip Irrigation System using Soil Moisture Sensor | International Journal of Current Microbiology and Applied Sciences | 7(1): 1385-1393 |
| 40 | Udaybhaskar, A., Ramireddy, K.V.S., Ashok Kumar, A. and **Bitra, V.S.P.** | 2018 | Development and performance evaluation of low HP tractor operated wiper sprayer | International Journal of Current Microbiology and Applied Sciences | 7(11): 3484-3495 |
| 41 | Lavanya P, **Bhaskara Rao, D.**, Edukondalu L and Sandeep Raja D. | 2018 | Studies on physical characteristics of briquettes prepared from maize cobs. | The Andhra Agricultural Journal | 65 (2): 393-397 |
| 42 | Rajasekhar M, Edukondalu L, Smith D.D. and **Veera Prasad G.** | 2018 | Changes in engineering properties of finger millet (PPR-2700, Vakula) on hydrothermal treatment | The Andhra Agricultural Journal | 65 (2), 420-429 |

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|---|---|---|---|---|---|
| 43 | Siva Shankar A, Satyanarayana Ch V V, Edukondalu, Lakshmipathy R and Sajid Alavi | 2018 | Effect of processing variables on soy-millet extrudates for complementary food | The Andhra Agricultural Journal | 65 (2): 436-440 |
| 44 | Rajasekhar M, Edukondalu L, Smith D. D. and **Veeraprasad G.** | 2018 | Development of value added products from milled (decorticated) finger millet and analysis of cooking quality and sensory evaluation. | Journal of Pharmacognosy and phytochemistry | 7 (5), 2573-2577 |
| 45 | Rajasekhar M, Edukondalu L, Smith D. D. and **Veeraprasad G.** | 2018 | Influence of hydrothermal treatment on proximate composition of milled finger millet (Eleusine coracana) | International journal of chemical studies | 6(5): 2305-2310 |
| 46 | Lavanya P, **Bhaskara Rao D**, Edukondalu L and Sandeep Raja D. | 2018 | Development of briquettes from cotton stalks with the high-pressure briquetting machine | International journal of chemical studies | 6 (5), 2311-2315 |
| 47 | Siva Shankar A, Satyanarayana Ch V V, Sajid Alavi, Edukondalu L, Michael Joseph and Lakshmipathy R. | 2018 | Study on Cereal-Legume Based Complementary Foods for Infants | International Journal of Current Microbiology and Applied Sciences | 7 (8), 3310-3317 |
| 48 | Rajasekhar M, Edukondalu L, Smith D.D. and **Veeraprasad G.** | 2018 | Effect of Hydrothermal Treatment on Milling Characteristics of Finger Millet | International Journal of Current Microbiology and Applied Sciences | 7 (10), 1804-1811 |
| 49 | G Karthik, I Srinivas, V Ravikant Adake, L Edukondalu Anamika Jha. | 2018 | Development and Performance Evaluation of Manually Operated two Row Paddy Transplanter | The Andhra Agricultural Journal | Special issue, vol. 65: 69-76 |
| 50 | **B Raj Kiran** and E V Thomas | 2018 | Development of Main Control Unit and Stepper Motor Interface for Regulating the Speed of Inner Rotor of Self Propelled Puddler | The Andhra Agricultural Journal | Special issue, vol. 65: 103-111 |

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|---|---|---|---|---|---|
| 51 | A Ashok Kumar, G Hemanth Kumar, M Harshavardhan, E Pavan Kumar and M V Ramana | 2018 | Ergo-characteristics of manual operated sprayers and weeders | The Andhra Agricultural Journal | Special issue, vol. 65: 119-126 |
| 52 | B Sunitha and C Ramana | 2018 | Evaluation of crop prameters of Sugarcane planters available in Andhra Pradesh | The Andhra Agricultural Journal | Special issue, vol. 65: 127-132 |
| 53 | B Laxman, **S Joseph Reddy**, K Madhusudhana Reddy, and **G Veera Prasad** | 2018 | Performance evaluation of tractor drawn aqua planter for Groundnut | The Andhra Agricultural Journal | Special issue, vol. 65: 160-166 |
| 54 | G Kishore Kumar, **B Raj Kiran** and Ch Murali Krishna | 2018 | Performance evaluation of power weeder under dry and wet land conditions | The Andhra Agricultural Journal | Special issue, vol. 65: 172-174 |
| 55 | D Vaishnavi, A C Rathinakumari, G Senthil Kumaran, **B V S Prasad**, S A Venu and L Edukondalu. | 2018 | Physical and Engineering Properties of Vegetable Seeds Relevant for Development of Protray Vacuum Seeder for Vegetable Nursery | The Andhra Agricultural Journal | Special issue, vol. 65: 179-182 |
| 56 | A Srinivasa Rao, C Ramana and M V Ramana | 2018 | Solar-cum-Wind Hybrid System: A case study at College of Agricultural Engineering, Madakasira | The Andhra Agricultural Journal | Special issue, vol. 65: 200-203 |
| 57 | B Vennela, Aumsarma, M Raghu Babu, **G Veeraprasad** and M Vijaykumar | 2018 | Study and performance evaluation of different sugarcane ratoon implements | The Andhra Agricultural Journal | Special issue, vol. 65: 204-208 |
| 58 | N V Gowtham Deekshithulu, G Ravi Babu, **R Ganesh Babu** and M Siva Ramakrishna | 2018 | Performance evaluation of low cost micro controller used in automated drip irrigation system for Watermelon crop | The Andhra Agricultural Journal | Special issue, vol. 65: 219-225 |
| 59 | G. Ravi Babu, S. Senthilvel and M. Raghu Babu | 2018 | Development of decision support system for | The Andhra Agricultural Journal | Special issue, vol. 65: 260- |

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|---|---|---|---|---|---|
| | | | sustainable water productivity in the Thungabhadra side (TS) channel command area | | 270 |
| 60 | K Sahithya, G Ravi Babu, **A Mani** and Ch Sujani Rao | 2018 | Mismatch between supplies and demands of canal water in the command area of Bapatla 279-285 channel | The Andhra Agricultural Journal | Special issue, vol. 65: 279-285 |
| 61 | K Sai Manogna, A Mani, G.Ravi Babu and V Radha Krishna Murthy | 2018 | Spatial analysis of water quality of Guntur channel command area | The Andhra Agricultural Journal | Special issue, vol. 65: 299-305 |
| 62 | P Indraja, **H V Hema Kumar**, A Mani and L Edukondalu. | 2018 | Mapping of Soil Salinity Using Remote Sensing and GIS | The Andhra Agricultural Journal | Special issue, vol. 65: 306-312 |
| 63 | **K Krupavathi**, M Raghu Babu, **A Mani**, P R K Parasad and L Edukondalu. | 2018 | Use of Landsat-8 OLI Imagery Multi-Temporal Vegetation Indices for Crop Classification in the Irrigated Areas of Krishna Central Delta. | The Andhra Agricultural Journal | Special issue, vol. 65: 313-319 |
| 64 | **I Bhaskara Rao**, T V Satyanarayana and M Raghu Babu | 2018 | Applications of Artificial Intelligence (AI) technologies in Agriculture | The Andhra Agricultural Journal | Special issue, vol. 65: 330-334 |
| 65 | N Bidyarani Chanu, **A Mani**, M Raghu Babu and **M Venkata Suneela** | 2018 | Spatial and temporal variation of soil erosion in Krishna lower sub basin of Andhra Pradesh | The Andhra Agricultural Journal | Special issue, vol. 65: 335-343 |
| 66 | M Madhava, Sivala Kumar, D D Smith, **D Bhaskara Rao** and **H V Hema Kumar** | 2018 | Economic analysis of hybrid greenhouse dryer for drying of Paddy | The Andhra Agricultural Journal | Special issue, vol. 65: 337-342 |
| 67 | N Hari, **A Mani**, **H V Hema Kumar** and L Edukondalu | 2018 | Morphometric Analysis of Gundlakamma River Sub Basin Using GIS and Remote Sensing | The Andhra Agricultural Journal | Special issue, vol. 65: 344-351 |
| 68 | **K Lavanya**, **D Bhaskara Rao**, L | 2018 | Production Process of Polyurethane | The Andhra Agricultural | Special issue, vol. |

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|---|---|---|---|---|---|
| | Edukondalu, R Lakshmipathy and V Srinivasa Rao | | Foam (PUF) Panels for Ripening Chamber | Journal | 65: 430-436 |
| 69 | K Nagamani, P V K Jagannadha Rao, D D Smith and G Ravi Babu | 2018 | Effect of packing material and storage on microbial attributes of Sugarcane juice | The Andhra Agricultural Journal | Special issue, vol. 65: 454-457 |
| 70 | **N Vinoda**, **Venkata S P Bitra**, L Edukondalu, V Srinivasa Rao and Vimala Beera. | 2018 | Methods to Accelerate Mass Transfer Rates in Potato Slices During Osmotic Dehydration: A Review | The Andhra Agricultural Journal | Special issue, vol. 65: 447-453 |
| 71 | Samreen, Ch V V Satyanarayana and L Edukondalu. | 2018 | Membrane Processing of Pomegranate and Pineapple Juices | The Andhra Agricultural Journal | Special issue, vol. 65: 477-482 |
| 72 | Chen, Jiajia, Soon Kiat Lau, **Sreenivasula Reddy, B** and Subbaiah, J. | 2019 | Modeling of radio frequency heating of egg white power continuously moving on a conveyor belt | Journal of Food Engineering | 262:109-120. |
| 73 | D. Kalpana, L. Edukondalu, Sivalakumar, Ch.V.V. Satyanarayana, R. Lakshmipathy and **M. Madhava** | 2019 | Isolation and characterization of cellulose fibre from turmeric (Curcuma longa L.). | Journal of Pharmacognosy and Phytochemistry | 8(3): 4001-4003 |
| 74 | **B. Sreenivasula Reddy**, J. Devin, Rose and J. Subbiah. | 2019 | Radiofrequency-assisted thermal processing of soft wheat flour | Journal of Food Science | 84(9): 2528-2536 |
| 75 | Chen, Jiajia, Soon Kiat Lau, **B. Sreenivasula Reddy** and J. Subbiah. | 2019 | Modeling of radio frequency heating of egg white power continuously moving on a conveyor belt | Journal of Food Engineering | 262:109-120 |
| 76 | **R. Ganeshbabu**, G. Ravi babu, **A. Mani**, P. Prasuna rani and V. Srinivasa rao. | 2019 | Assessment of groundwater resources in Nagarjuna sagar right canal command | International Journal of Agriculture Sciences | 11(18): 9032-9037 |
| 77 | **R. Ganeshbabu**, G. Ravi babu, **A. Mani**, P. Prasuna rani and V. Srinivasa rao. | 2019 | Calibration and validation of the developed groundwater model for Nagarjuna sagar | International Journal of Agriculture Sciences | 11(19): 9113-9117 |

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| | | | right canal command area | | |
| 78 | N Hari, **A Mani H V Hema Kumar** V Srinivasa Rao L Edukondalu | 2020 | Simulation of water resources in Gundlakamma sub-basin using SWAT model | The Andhra Agricultural Journal | 66(3): 530-533 |
| 79 | Xinyao Wei, Soon Kiat Lau, **Sreenivasula Reddy Boreddy** and Jeyamkondan Subbiah. | 2020 | A microbial challenge study for validating continuous radio-frequency assisted thermal processing pasteurization of egg white powder | Food Microbiology | 85: 103306 |
| 80 | Subarna Ghosh and**Venkata S.P. Bitra** | 2020 | Phorbol ester degradation using chemical treatment in jatropha kernel meal | International Journal of Chemical Studies | 8(3): 159-163 |
| 81 | Subarna Ghosh and**Venkata S.P. Bitra** | 2020 | Phorbol ester degradation using biological treatment in jatropha kernel meal | International Journal of Current Microbiology and Applied Sciences | 9(5): 1449-1457 |
| 82 | Yedida, H.V., **Bitra, V.S.P.**, Burla, S.V.S., Gudala, V., Kondeti, S., Vuppula, R.K. and Jaddu, S. | 2020 | Hydration behavior of chia seed and spray drying of chia mucilage | Journal of Food Processing and Preservation | 44(6): e14456 |

**List of Books Published**

| Sl. No. | Authors | Year | Title of the Book | Name of the Publisher |
|---|---|---|---|---|
| 1 | Ravi Babu, G., **Ganesh Babu, R.**, **Krupavathi, K.** and **Raja Kumar, K.N.** | 2017 | Irrigation Engineering | VGS Polytechnic Series, VGS Book links, Vijayawada |
| 2 | **B. Sreenivasula Reddy** | 2020 | Food Engineering | ICAR, New Delhi |

**List of Laboratory Manuals Prepared**

| Sl. No. | Authors | Year | Course Number | Title of course |
|---|---|---|---|---|
| 1 | **K. Krupavathi**, **R. Ganesh Babu**, G. Ravi Babu and **A. Mani** | 2017 | AEBE 161 | Surveying and Leveling |
| 2 | **K. Krupavathi**, and **A.** | 2017 | AEBE 164 | Fluid Mechanics and Open |

| | | | | |
|---|---|---|---|---|
| | **Mani** | | | Channel Hydraulics |
| 3 | G. Ravi Babu , **H.V. Hema Kumar**, **R. Ganesh Babu** and **A. Mani** | 2017 | AEBE 262 | Soil Mechanics |
| 4 | **B. Hari Babu** and **B.V.S. Prasad** | 2019 | FMPE 311 | Farm Machinery and Equipment - I |
| 5 | **B. Raj Kiran** and **B.V.S. Prasad** | 2019 | AEBE 166 | Workshop Technology and Practice |
| 6 | **K. Lavanya**, **N. Vinoda** and **B.V.S. Prasad** | 2019 | PFEN 322 | Post Harvest Engineering of Cereals, Pulses and Oilseeds |
| 7 | **M. Madhava**, L. Edukondalu and **B. Sreenivasula Reddy** | 2019 | PFEN 324 | Dairy and Food Engineering |

**List of Study Materials Prepared for Diploma in Agricultural Engineering**

| Sl. No. | Authors | Year | Course Number | Credit hours | Title of course |
|---|---|---|---|---|---|
| 1 | A. Ashok Kumar | 2019 | DAE212 | 3 (2+1) | Agricultural Machinery |
| 2 | K VS Rami Reddy | 2019 | DAE312 | 2 (0+2) | Operation and Maintenance of Farm Machinery |
| 3 | **N. Vinoda** and **K. Lavanya** | 2019 | DAE221 | 3 (1+2) | Engineering Properties and Processing of Seeds |
| 4 | L. Edukondalu | 2019 | DAE222 | 3 (1+2) | Agricultural Process Engineering – I |
| 5 | **K.N. Raja Kumar** | 2019 | DAE331 | 2 (1+1) | Hydrology and Management of Watersheds |
| 6 | **B. Raj Kiran** | 2019 | DAE141 | 3 (1+2) | Workshop Technology – I |
| 7 | **J. Kumara Raja** | 2019 | DAE 143 | 2 (1+1) | Computer Applications |
| 8 | **K. Krupavathi** | 2019 | DAE144 | 2 (1+1) | Principles of Fluid Mechanics |
| 9 | **B. Raj Kiran** | 2019 | DAE145 | 3 (1+2) | Workshop Technology – II |
| 10 | **N. Seshagiri Rao** | 2019 | DAE 146 | 2 (1+1) | Applied Electronics and Instrumentation |
| 11 | **R. Ganesh Babu** | 2019 | DAE 147 | 3 (1+2) | Surveying and leveling – I |
| 12 | **B Hari Babu** | 2019 | DAE 241 | 2 (1+1) | Engineering Mechanics & Materials Testing |
| 13 | G. Ravi Babu | 2019 | DAE 242 | 3 (1+2) | Surveying and Leveling – II |
| 14 | **H.V. Hema Kumar** | 2019 | DAE 244 | 2 (1+1) | Strength of Materials |
| 15 | L. Edukondalu and **B. Raj kiran** | 2019 | DAE245 | 2 (1+1) | Principles of Electrical Engineering & Farm Electricity |
| 16 | **H.V.Hema Kumar** | 2019 | DAE341 | 2 (1+1) | Estimating and Costing of Farm Buildings and Structures |
| 17 | **N. Seshagiri Rao** | 2019 | DAE152 | 2 (1+1) | Engineering Physics |

**List of Conference Papers Presented by Faculty**

| Sl. No. | Authors | Year | Title of the paper | Conference Details | Paper Number/Page Numbers |
|---|---|---|---|---|---|
| 1 | L.R.V. Prasad, **B. Raj Kiran**, Samreen, N.V.G. Dekshitulu and M.V.N. Chaitanya | 2015 | Development and Evaluation of roto drill cum Herbicide applicator | 49th Annual Convection of ISAE and Symposium on Engineering Solutions for Sustainable Agriculture and Food Processing | |
| 2 | L. Edukondalu, P. Naga Deepthi Yadav, Sivala Kumar and J. Lakkshmi | 2015 | Production of microwave baked potato chips | -do- | |
| 3 | B.J.V. Sai Vinay, L. Edukondalu, Sivala Kumar and **G. Veera Prasad** | 2017 | Development and evaluation of low cost grader for round fruits and vegetables | 51stAnnual Convention of ISAE and National Symposium on "Agricultural Engineering for Sustainable and Climate Smart Agriculture" | |
| 4 | Samreen, Ch.V.V. Satyanarana, L. Edukondalu, Vimala Beera and V. Srinivasa Rao | 2017 | Membrane processing of pineapple juice | -do- | |
| 5 | Samreen, Satyanarayana, Ch.V.V. and Edukondalu, L. | 2018 | Membrane processing of pomegranate juice | 52nd annual convention of ISAE and National Symposium on "Doubling farmers income through technological interventions" held at AAU, Anand, Gujarat during 8th to 10th January, 2018 | |
| 6 | Vinay, B.J.V.S., Edukondalu, L., | 2018 | Effect of surface material and speed | -do- | |

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| | Sivala Kumar and **Veera Prasad, G.** | | of the rotary disc on efficiency of a low cost grader suitable for round fruits and vegetables | | |
| 7 | A. Ashok Kumar, V.K. Tewari and Brajesh Nare | 2018 | Digital Draft Force Indicator for Tillage Research | National Conference on "Digital and Engineering Technologies for Precision Agriculture and Value Addition" held during 26-27 February, 2018 at College of Agricultural Engineering, ANGRAU, Bapatla, A.P, India | FM-01 |
| 8 | A. Ashok Kumar and V.K. Tewari | 2018 | Digital Drive Wheel Torque Meter for Agricultural 2WD Tractors | -do- | FM-02 |
| 9 | Vennela B. and Rami Reddy K.V.S. | 2018 | Development of Solar Operated Low Volume Boom Sprayer | -do- | FM-06 |
| 10 | Leena Mounica S., Pavani J., Mushaira Thasleem S., Ashok Kumar A., **Raj Kiran B.**,CarolinRatina Kumari A. and Senthil Kumaran G. | 2018 | Design and Development of Animal Drawn Onion Digger | -do- | FM-11 |
| 11 | A. Ashok Kumar, V. K. Tewari and Chanchal Gupta | 2018 | Digital Wheel Slip Meter for 2WD Agricultural Tractors | -do- | FM-12 |
| 12 | A Ashok Kumar, G Hemanth Kumar, M Harshavardhan, E Pavan Kumar and M V Ramana | 2018 | Ergo-characteristics of manual operated sprayers and weeders | -do- | FM-14 |
| 13 | B Laxman, **S Joseph Reddy**, K Madhusudhana Reddy, and **G Veera** | 2018 | Performance evaluation of tractor drawn aqua planter for | -do- | FM-19 |

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|---|---|---|---|---|---|
| | **Prasad** | | Groundnut | | |
| 14 | G Karthik, I Srinivas, V Ravikant Adake, L Edukondalu Anamika Jha. | 2018 | Development and Performance Evaluation of Manually Operated two Row Paddy Transplanter | -do- | FM-45 |
| 15 | A Srinivasa Rao, C Ramana and M V Ramana | 2018 | Solar-cum-Wind Hybrid System: A case study at College of Agricultural Engineering, Madakasira | -do- | FM-50 |
| 16 | N. L. Kalyan Chakravarthi, V. Vinai Kumar, M. Krishna Naik, M. Siva Raju, K.V.S. Rami Reddy and **G. Veeraprasad** | 2018 | Design, and Development of Tractor Drawn Row Crop Fertilizer Applicator | -do- | FM-51 |
| 17 | B. Sunitha and C. Ramana | 2018 | Evaluation of Crop Parameters of Sugarcane Planters Available in Andhra Pradesh | -do- | FM-58 |
| 18 | D Vaishnavi, A C Rathinakumari, G Senthil Kumaran, **Venkata S.P. Bitra**, S A Venu and L Edukondalu. | 2018 | Physical and Engineering Properties of Vegetable Seeds Relevant for Development of Protray Vacuum Seeder for Vegetable Nursery | -do- | FM-60 |
| 19 | C. Navyasree, V. Ashwini, C. Hima Bindu, Arudra Srinivasa Rao and C. Ramana | 2018 | Design and Evaluation of Solar Photo Voltaic Audible Bird Scarer | -do- | FM-65 |
| 20 | D.V.Sunitha, B.Jithender, K.V.S. Rami Reddy | 2018 | Study on Effect of Rotary Ploughing on Soil Physical Parameters In Black and Sandy Soils | -do- | FM-68 |
| 21 | G. Kishore Kumar, **B. Raj Kiran** and Ch. Murali Krishna | 2018 | Evaluation and Cost Economics of Different Weeders Under Dryland | -do- | FM-70 |

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|---|---|---|---|---|---|
| | | | Conditions | | |
| 22 | G Kishore Kumar, **B Raj Kiran** and Ch Murali Krishna | 2018 | Performance evaluation of power weeder under dry and wet land conditions | -do- | FM-71 |
| 23 | B Vennela, Aumsarma, M Raghu Babu, **G Veeraprasad** and M Vijaykumar | 2018 | Study and performance evaluation of different sugarcane ratoon implements | -do- | FM-77 |
| 24 | **B Raj Kiran** and E V Thomas | 2018 | Development of Main Control Unit and Stepper Motor Interface for Regulating the Speed of Inner Rotor of Self Propelled Puddler | -do- | FM-83 |
| 25 | D.Srigiri, **G.Veera Prasad**, **B.Raj Kiran**, L.Edukondalu | 2018 | Development and Evaluation of Multi Crop Precision Planter | -do- | FM-84 |
| 26 | Shaik Kolimi Baba Fakruddin, C.Ramana, **D. Vijay Kumar**, L. Edukondalu | 2018 | Optimization of Blades for Bund Trimming and Plastering Equipment for Rice Fields | -do- | FM-85 |
| 27 | Karthik. G, Srinivas. I, Ravikant adake. V, Edukondalu. L, Anamika Jha | 2018 | Ergo-Economical Analysis of Mechanical and Manual Paddy Transplanting | -do- | FM-90 |
| 28 | N V Gowtham Deekshithulu, G Ravi Babu, **R Ganesh Babu** and M Siva Ramakrishna | 2018 | Performance evaluation of low cost microcontroller used in automated drip irrigation system for Watermelon crop | -do- | SW-04 |
| 29 | G. Ravi Babu, S. Senthilvel and M. Raghu Babu | 2018 | Development of decision support system for sustainable water productivity in the Thungabhadra side (TS) channel command area | -do- | SW-15 |
| 30 | K Sahithya, G Ravi | 2018 | Mismatch between | -do- | SW-18 |

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|---|---|---|---|---|---|
| | Babu, **A Mani** and Ch Sujani Rao | | supplies and demands of canal water in the command area of Bapatla 279-285 channel | | |
| 31 | P. Akhila Shiney, Y. Naga Lakshmi, A. Pradeep Reddy, N. Sree Vani Swetha and **R. Ganesh Babu** | 2018 | Impact Assessment of Climate Change on Crop Water Requirement Using CROPWAT in Bapatla Mandal | -do- | SW-21 |
| 32 | K Sai Manogna, A Mani, G.Ravi Babu and V Radha Krishna Murthy | 2018 | Spatial analysis of water quality of Guntur channel command area | -do- | SW-23 |
| 33 | Hari N, Mani A , Hema Kumar H V and Edukondalu L | 2018 | Morphometric Analysis of Gundlakamma River Sub Basin Using GIS and Remote Sensing | -do- | SW-24 |
| 34 | P Indraja, **H V Hema Kumar**, A Mani and L Edukondalu. | 2018 | Mapping of Soil Salinity Using Remote Sensing and GIS | -do- | SW-26 |
| 35 | **K Krupavathi**, M Raghu Babu, **A Mani**, P R K Parasad and L Edukondalu. | 2018 | Use of Landsat-8 OLI Imagery Multi-Temporal Vegetation Indices for Crop Classification in the Irrigated Areas of Krishna Central Delta. | -do- | SW-30 |
| 36 | N Bidyarani Chanu, **A Mani**, M Raghu Babu and **M Venkata Suneela** | 2018 | Assessing the Effect of Land Use Land Cover on Soil Erosion in Krishna Lower Sub Basin | -do- | SW-35 |
| 37 | **I Bhaskara Rao**, T V Satyanarayana and M Raghu Babu | 2018 | Applications of Artificial Intelligence (AI) technologies in Agriculture | -do- | SW-37 |
| 38 | Ajay A., Smith D.D., Pranathi M., Premchand K., Venkateswarlu B. | 2018 | Development of Ohmic Heating Cell for Pasteurization of Mango Pulp | -do- | FE-10 |

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| | and **Venkata S.P. Bitra** | | | | |
| 39 | **Venkata S.P. Bitra**, N. Anusha, M. Ravi Naik and S. Sudheer Kumar | 2018 | Digital Image Processing for Color Measurement During Ripening of Banana and Guava | -do- | FE-16 |
| 40 | M Madhava, Sivala Kumar, D D Smith, **D Bhaskara Rao** and **H V Hema Kumar** | 2018 | Economic analysis of hybrid greenhouse dryer for drying of Paddy | -do- | FE-19 |
| 41 | **M. Madhava**, Sivala Kumar, D.D. Smith, **D. Bhaskara Rao** and **H.V. Hema Kumar** | 2018 | Mathematical Modeling of Rough Rice Drying in Hybrid Greenhouse Dryer | -do- | FE-20 |
| 42 | V. Shoban Naik, V. Nagendram, Ch. Someswara Rao, M.V. Ramana and C. Ramana | 2018 | Energy Analysis in Various Rice Milling Operations | -do- | FE-27 |
| 43 | **K. Lavanya**, A.K. Agarwal, S. Patel | 2018 | Studies on Parboiling Characteristics of Paddy | -do- | FE-29 |
| 44 | **K Lavanya**, **D Bhaskara Rao**, L Edukondalu, R Lakshmipathy and V Srinivasa Rao | 2018 | Production Process of Polyurethane Foam (PUF) Panels for Ripening Chamber | -do- | FE-30 |
| 45 | **N Vinoda**, **Venkata S P Bitra**, L Edukondalu, V Srinivasa Rao and Vimala Beera. | 2018 | Methods to Accelerate Mass Transfer Rates in Potato Slices During Osmotic Dehydration: A Review | -do- | FE-31 |
| 46 | Y.H.V. Siva Koteswara Rao, **N.Vinoda, K. Lavanya**, Hima Bindu K, J. Tejaswini | 2018 | Effect of Aloe Vera Gel Coating on Quality and Self-life of Banana | -do- | FE-32 |
| 47 | Farzana Begum, Ch.V.V. Satyanarayana, L. Edukondalu and **G. Veeraprasad** | 2018 | Physical and Engineering Properties of Gherkins | -do- | FE-34 |
| 48 | M.Padma, | 2018 | Preparation of | -do- | FE-37 |

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|---|---|---|---|---|---|
| | P.V.K.Jagannadarao, K.Aparna, L. Edukondalu, G. Ravi Babu | | Non-Dairy Milk from Biological Materials - A Review | | |
| 49 | K Nagamani, P V K Jagannadha Rao, D D Smith and G Ravi Babu | 2018 | Effect of packing material and storage on microbial attributes of Sugarcane juice | -do- | FE-48 |
| 50 | **Venkata S.P. Bitra** | 2018 | Advances in farm mechanization and post harvest management for improving profitability of Indian Agriculture | Lead paper in Theme – 04: Farm Mechanization and Post Harvest Technologies to Enhance Farm Profitability – During National Conference for Post Graduate Students on "Techno-Strategic Interventions for Profitable Agriculture" held during 26-27 March, 2018 at Agricultural College, ANGRAU, Bapatla, Andhra Pradesh, India | 164-180 |
| 51 | **Sreenivasula Reddy Boreddy** and **Venkata S.P. Bitra** | 2019 | World-class (agricultural) university in overall perspective of India | National Conference on "Strategic Approaches for Developing World-Class Agricultural Universities" held during 19-20 March, 2019 at Dr. N.T.R. College of Agricultural Engineering, ANGRAU, | WCAU/FLP/4 |

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| | | | | Bapatla, Andhra Pradesh, India | |
| 52 | **Venkata S.P. Bitra**, **Sreenivasula Reddy Boreddy**, and Divyasree Arepally | 2019 | Role of patents in strengthening the agricultural universities in India | -do- | WCAU/FLP/7 |
| 53 | **A. Mani** | 2019 | Building institutions for excellence in water resources | -do- | WCAU/FLP/8 |
| 54 | Brahmini B., Edukondalu, L., **Venkata S.P. Bitra** and **Veeraprasad, G.** | 2019 | Effect of slice thickness and heating plate temperature on physico-chemical properties of freeze dried mushroom slices | 53rd Annual Convention of ISAE and International Symposium on "Engineering Technologies for Precision and Climate Smart Agriculture" held during 28-30January, 2019 at Institute of Agricultural Sciences, BHU, Varanasi, U.P., India | |

### 6.5.2.4 Technical and Supporting Staff

**Sanctioned and In-Position Office Staff at Dr NTRCAE, Bapatla**

| Sl. No. | Sanctioned Post / Category | Sanctioned Strength | In-Position | Vacant Positions | Office Staff Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Administrative Officer | 1 | 1 | - | 1 |
| 2 | Superintendent | 1* | 1 | - | 12 Clerks |
| 3 | Senior Assistant | 2 | 1 | 1 | |
| 4 | JACT | 2** | - | 2 | |
| 5 | Record Assistant | 1 | 1 | - | |
| 6 | Office Subordinate | 2 | 2 | - | |
| 7 | Watchman | 1 | 1 | - | |
| 8 | PA/Steno | - | - | - | 8 |
| 9 | Messenger/Peon | - | - | - | 8 |
| | **Total** | **10** | **7** | **3^** | **29** |

* The post was Re-deployed of Superintendent
** One post was Re-deployed of JACT (1 + 1 = 2)
^Three vacant positions of Office Staff are supported by out-sourcing employees.

**Sanctioned and In-Position Laboratory Staff at Dr NTRCAE, Bapatla**

| Sl. No. | Sanctioned Post / Category | Sanctioned Strength | In-Position | Vacant Positions | Laboratory Staff Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Workshop Supervisor | 1 | - | 1 | 27 Workshop Staff, Computer Operator, Driver, Technicians |
| 2 | Technician (Mech.Gr.I) | 3 | - | 3 | |
| 3 | Technician (Mech.Gr.II) | 2 | - | 2 | |
| 4 | Draughtsman Grade III | 1 | - | 1 | |
| 5 | Carpenter Grade II | 1 | - | 1 | |
| 6 | Welder | 1 | - | 1 | |
| 7 | Blacksmith | 1 | - | 1 | |
| 8 | Turner | 1 | - | 1 | |
| 9 | Driver | 1 | - | 1 | |
| 10 | Workshop Helper | 2 | - | 2 | |
| 11 | Luskar | 2 | - | 2 | |
| 12 | Laboratory Assistant | - | - | - | 14 |
| | **Total** | **16** | **0** | **16*** | **41** |

*Sixteen posts of Laboratory Staff are filled with out-sourcing employees.

**Department-wise Distribution of Technical, Laboratory and Farm Staff**

| Sl.No. | Sanctioned Post | Number of Posts | Vacant Positions |
|---|---|---|---|
| **Farm Machinery and Power Engineering** | | | |
| 1 | Workshop Supervisor | 1 | 1 |
| 2 | Technician (Mech.Gr.I) | 3 | 3 |
| 3 | Technician (Mech.Gr.II) | 1 | 1 |
| 4 | Carpenter Grade II | 1 | 1 |
| 5 | Turner | 1 | 1 |
| 6 | Driver | 1 | 1 |
| 7 | Workshop Helper | 1 | 1 |
| **Processing and Food Engineering** | | | |
| 8 | Technician (Mech.Gr.II) | 1 | 1 |
| 9 | Blacksmith | 1 | 1 |
| **Irrigation and Drainage Engineering** | | | |
| 10 | Workshop Helper | 1 | 1 |
| 11 | Luskar | 1 | 1 |
| **Soil and Water Conservation Engineering** | | | |
| 12 | Draughtsman Grade III | 1 | 1 |
| 13 | Welder | 1 | 1 |
| 14 | Luskar | 1 | 1 |
| | **Total** | **16** | **16*** |

*Out of sixteen posts, thirteen posts of Technical Staff are filled with out-sourcing employees.

Apart from these technical/laboratory/field staff, College is supported with 26 Time-Scale employees and 22 contact staff additionally in all these Departments. Moreover, College Hostels are supported by 4 contact staff and 9 piece-meal workers.

## 6.5.3 Learning Resources

UG and PG students are trained on various computer software, namely, AutoCAD, ProE, SURFER, CRIWAR, CROPWAT, SURDEV, MODFLOW, DRAINMOD, SALTMOD, WINFLUME, RS&GIS, etc. during practical classes. Educational videos are played to the students for better understanding of the subject in various courses.

### 6.5.3.1 College Library (Digital)

Library and information services play a vital role in supporting high quality education and learning environment amongst students, faculty members and post-graduate scholars. This College is having a separate block for Library. The Library has a good collection of 11725 subject matter books, 470 gift books, 287 NAHEP-IDP books and 361 project reports. Apart from these books, there are 97 books and 147 books exclusively for SC and ST students. To facilitate the students writing competitive examinations, library is enriched with GRE, GMAT, TOEFL, CAT, general studies, computer books with CDs and different dictionaries (Telugu to English and English to English), handbooks, annual reports, world atlas, etc. Apart from them, there are a wide variety of Telugu and English daily news papers, popular weekly and monthly magazines like *Rythunestham*, *Annadata*, etc. and competitive magazines. They are being kept for students general reading.



**Main Library Building**



**Magazine Section**



**Library Facilities**



**Digital Library**

The issues and returns of the library books are strictly on library card basis. The College Library is equipped with 2 good Xerox machines and 2 computers along with printers. Apart from them, 32 computers with internet facility is being maintaining under digital library. Internet facility is available for the students and staff during the library timings to access of e-journals, abstracts, e-books and research papers for academic and research purpose using e-Resources in Agriculture (CeRA). Staff and students attended orientation and user awareness training programme on "Consortium for e-Resources in Agriculture (CeRA)" conducted at Agricultural College, Bapatla on 19-09-2018.

Location of library: College premises

Present staff position: One Assistant Professor is acting as In-charge of Library with three Library Assistants

Seating capacity: 40 seats for reading purpose and 30 seats for E-resources

Working hours: 9:00 AM to 12:00 Noon and 2:00 PM to 5:00 PM

Availability of Internet and Wi-Fi: Yes

Number of books: 12953

Number of daily News papers: 8

Journals: 15 (International journals - 10 and National - 5)

**Details of college library, Dr. NTR College of Agricultural Engineering, Bapatla**

| Sl. No. | Particulars | Total Number |
|---|---|---|
| 1 | General Books | 11725 |
| 2 | IDP Books (Tittles 109) | 287 |
| 3 | Gift Books | 477 |
| 4 | Book Bank Scheme | 367 |
| 5 | SC/ST Books | 97 |
| 6 | Project Reports (B.Tech.) | 361 |
| 7 | M.Tech. Theses | 102 |
| 8 | Ph.D. Theses | 21 |

| | | |
|---|---|---|
| 9 | Back Volumes | 469 |
| 10 | Foreign Periodicals | 10 |
| 11 | Indian Periodicals | 5 |
| 12 | News Papers | 8 |
| 13 | Computers with Internet facility | 32 |
| 14 | Xerox Machines + Printers | 2+2 |
| 15 | Library Software (Koha) | |
| 16 | E-Resources (Online Journals) facility available | |
| 17 | Online UPS facility available | |

**List of the journals in College Library, Dr. NTR College of Agricultural Engineering, Bapatla**

| Sl. No. | Name of the Journal |
|---|---|
| **Foreign Journals** | |
| 1 | Food Processing |
| 2 | Transactions of the ASABE |
| 3 | Journal of Irrigation and Drainage Engineering(ASCE) |
| 4 | Computer Electronics in Agricultural |
| 5 | Canadian Bio-systems Engineering |
| 6 | Agricultural Mechanization in Asia, Africa, Latin America |
| 7 | Journal of food science Technology |
| 8 | Food Technology |
| 9 | Journal of Soil and water conservation(SWCS) |
| 10 | Progress in Agricultural Engineering Sciences |
| **Indian Journals** | |
| 1 | Journal of Eco-friendly Agriculture |
| 2 | Agricultural Engineering Today |
| 3 | Indian journal of Agricultural Sciences |
| 4 | The Andhra Agricultural Sciences |
| 5 | International journal of Agricultural Engineering |

### 6.5.3.2 Laboratories, Instructional Farms, Workshops, Dairy Plant, Veterinary Clinic, Hatchery, Ponds, etc.

Each department of the College is having dedicated laboratories. Department-wise distribution of laboratories is furnished here under:

A. Department of Farm Machinery and Power Engineering
1. Farm Power Laboratory
2. Farm Machinery Laboratory
3. Advanced Workshop
4. Soil Dynamics Laboratory
5. Ergonomics Laboratory

B. Processing and Food Engineering
1. Instrumentation Laboratory
2. Process Engineering Laboratory
3. Food Analysis Laboratory
4. Food Microbiology Laboratory
5. Environmental Control Laboratory

C. Irrigation and Drainage Engineering
    1. Irrigation Filed Laboratory
    2. Field Solar Pump Laboratory
    3. Wells and Pumps Laboratory

D. Soil and Water Conservation Engineering
    1. Watershed
    2. Surveying and Leveling Laboratory
    3. Soil and Water Conservation Laboratory

E. Renewable Energy Engineering
    1. Renewable Energy Laboratory

F. Basic Engineering and Applied Sciences
    1. Workshop with equipment of all manufacturing processes
    2. Thermodynamics Laboratory
    3. Central Computer Center
    4. Soil Mechanics Laboratory
    5. Engineering Drawing Laboratory
    6. Theory of Machines Laboratory
    7. Strength of Materials Laboratory
    8. Engineering Physics Laboratory
    9. Applied Electronics Laboratory
    10. Electrical Engineering Laboratory
    11. Hydraulics and Fluid Mechanics Laboratory

Agricultural College, Bapatla is having a farm for academic instruction. The courses related to Agriculture are being handled by the Faculty of Agriculture and the College Farm is serving the curriculum requirement. Apart from Irrigation Field Laboratory of this College, agricultural land available in the Campus is being effectively utilized for field experiments pertaining to Departments of Farm Machinery and Power Engineering, Irrigation and Drainage Engineering and Soil and Water Conservation Engineering. Very good Workshop is available with ultra modern facilities in the College to cater the needs of all the Departments.




**Engineering Workshop**

Watershed model along with a farm pond is established in the College for students' experimentation.



**Irrigation Field Laboratory**




**Watershed**

### 6.5.3.3 Student READY/In-Plant Training/Internship/Experiential Programmes

ICAR has granted ELP unit on hydroponics for the first time during 2019-20. Structure and equipment are being established.

B.Tech. (Agricultural Engineering) degree programme is supported by following hands-on training courses additionally:

1. SRDY 281 Skill Development Training – I (4 weeks)
2. SRDY 381 Skill Development Training – II (4 weeks)
3. SRDY 481 Industrial Attachment/Internship (10 weeks)
4. SRDY 482 Experiential Learning (10 weeks)
5. SRDY 483 Educational Tour (2 weeks)
6. SRDY 484 Project Work and Report Writing (20 weeks)

SRDY 281, SRDY 381 and SRDY 481 are organized in ICAR Research Institutes (CIPHET, Ludhiana; IIHR, Bangalore; CIAE, Bhopal; IISWC, Ooty, Bellary, Koraput, Kota, Vasad; NAARM, Hyderabad; CRIDA, Hyderabad; CTRI Regional Station, Kandukur; etc.), Central Government Organizations (CFMTTI, Budni; SFMTTI, Garladinne; NFMTTI, Hissar; NIPHM, Hyderabad; IIP, Hyderabad; CIPET, Vijayawada; IGSI, Hyderabad; IMD, Pune; NIH, Roorkee and Kakinada; etc.), State Government Organizations (WALAMTARI., Hyderabad; APSAC, Vijayawada; AICRP on FIM, Hyderabad; Telangana Foods, Hyderabad; DWMA, Ongole; etc.), industries (Global Green Group, Sadasivapet; Pioneer Seeds, Hyderabad; Srini Food Park Pvt. Ltd. Chittoor; Food Tropicals, Tirupati;Konark Frozen Foods, Vijayawada; Jaya Lakshmi Rice Mill, Bapatla; Karanam Technologies, Kakinada; Farm Implements (India) Pvt. Ltd, Chennai; ASPEE, Mumbai; TAFE Ltd, Chennai; Escorts, Faridabad; VST, Bangalore; Jain Irrigation Systems, Hyderabad; ITC, Guntur and Mysore; Kumar Pumps, Tenali; etc.), NGOs

(WASSAN, Secunderabad; Dhan Foundation, Madurai and Punganur; Krushi Agri Development Training Centre under AC&BC, Kothagudem; etc.), etc. for training in the application of latest technologies. After training, a presentation will be given by the students and viva-voce will be conducted by panel of experts. These trainings will help the students in placements in those organizations.

SRDY 482 is conducted in the College itself in various modules, namely, farm machinery (manufacturing of garden tools, groundnut stripper, monocycle weeder-cum-furrow cleaner, tractor components, tillage implements, weeder rakes,solar power operated sprayer, manual drawn cultivator, multipurpose manual drawn implements, manual drawn multipurpose cycle weeder),mushroom cultivation, leafy vegetables cultivation, cultivation of commercial and floricultural crops, development of manual fruit harvester, production of low-cost air cooler, ANGRAU possessed foods (*ragi* malt, *ragi* biscuits,sorghum *laddu*, oat cookies, mango Jam, etc.), survey on farm mechanization in Andhra Pradesh,etc. After completion of the Experiential Learning Program, each group of the students prepare a Work Done Report with complete details of the ELP handled and present their work in the form of seminar individually in front of the Evaluation Committee. Profit arrived from each module is shared by students (75%), Department (10%) and Faculty/Manager (15%). Following are the details of ELP Units handled in the College during academic year 2019-20:

**ELP Income Generation during 2019-20**

| Sl. No. | Name of the ELP Unit | Profit Generated, Rs. |
|---|---|---|
| 1 | ANGRAU Processed Foods - I | 6045/- |
| 2 | *Gongura* Cultivation | 3410/- |
| 3 | ANGRAU Processed Foods - II | 5905/- |
| 4 | Mushroom Cultivation | 3140/- |
| 5 | Cultivation of Floriculture and Commercial crops | 2150/- |
| 6 | Manufacturing of garden tools and farm implements | 4796/- |
| | **Total** | **25,446/-** |

During the years 2015-16, 2016-17, 2017-18 and 2018-19, AELP 300 Experiential Learning Programme (Non-Credit Course) for one month in the semester break after third year of B.Tech. (Agricultural Engineering) was conducted.

SRDY 483 is held for final year students and they cover most of the organizations in South India, namely, Indian Institute of Horticultural Research, Bangalore; University of Agricultural Sciences, Bangalore; IISWC, Ooty; TNAU, Coimbattore; CMFRI, Kochi; Kanan Devan Hills Plantations Company (P) Ltd., Munnar; CTCRI, Thiruvananthapuram; House of Kalam, Rameshwaram; IIFPT, Tanjavur; etc. After the students return back to College, they submit a detailed Tour Report to the College. Students are evaluated based on the Tour Report, seminar presentation and followed by Viva-Voce Examination in front of the Evaluation Committee.

SRDY 484 is a research project in which each group of 4-5 students conduct experiments on various researchable topics and develop new items for the benefit of the farming community. Students will prepare a Project Report and present their work infront of the Evaluation Committee and, then, Viva-Voce Examination will be held for evaluation.

M.Tech. (Agricultural Engineering) students are having Industry/Institute Training Course during Second Year First Semester for 4 weeks duration. Students are being sent to ICAR research institutes (CRIDA, Hyderabad; CIAE, Bhopal; CIAE, Regional Centre, Coimbatore;CIPHET, Ludhiana and Abhor; etc.), Central Government Organizations (Central Institute of Tool Design, Hyderabad;NRSC, Kolkata; etc.), State Government Organizations (APSAC, Vijayawada; etc.) and industries to impart hand-on training to them.

### 6.5.3.4 Curricula Delivery Though IT (Smart Classrooms, Interactive Boards, etc.)

All the teachers use LCP projector and deliver the curriculum through Power Point Presentation. Teachers play educational videos using multimedia for benefit of the students.

College is having Virtual Classroom established under NAHEP-IDP with all the required equipment to connect all the campuses and anywhere in the world.

There are 4 dedicated classrooms with good lighting and ventilation being used for B.Tech. (Agricultural Engineering) degree programme for conducting theory classes. These classrooms are equipped with LCD projector, chalk board, furniture, etc. First, second and third year classrooms are converted into Smart Classrooms with audio systems, etc.

Apart from them, there are 3 separate classrooms with good lighting and ventilation being used for M.Tech. (Agricultural Engineering) degree programmes in three specializations of Farm Machinery and Power Engineering, Processing and Food Engineering and Soil and Water Engineering for conducting theory classes. These classrooms are equipped with LCD projector, chalk board, furniture, etc. Soil and Water Engineering classroom is equipped with interactive board also.

Also, there are 3 dedicated classrooms with good lighting and ventilation being used for Ph.D. (Agricultural Engineering) degree programmes in three specializations of Farm Machinery and Power Engineering, Processing and Food Engineering and Soil and Water Engineering for conducting theory classes. These classrooms are equipped with LCD projector, chalk board, furniture, etc.

## 6.5.4 Student Development

College is imparting very good education to the students of B.Tech. (Agricultural Engineering) and M.Tech. (Agricultural Engineering) and Ph.D. (Agricultural Engineering) in three specializations for their overall academic development.

### 6.5.4.1 Student Intake and Attrition

**B.Tech. (Agricultural Engineering)**

B.Tech. (Agricultural Engineering) programme was started in the academic year 1983-84 in Agricultural College, Bapatla and it was elevated to College status in the year 1990 and got established its College during 1994.

| B.Tech. (Agril Engg) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Academic Year | First Year | | Second Year | | Third Year | | Final Year | | Total Students |
| | Boys | Girls | Boys | Girls | Boys | Girls | Boys | Girls | |
| 2014-15 | 37 | 30 | 36 | 42 | 41 | 26 | 42 | 26 | 280 |
| 2015-16 | 32 | 28 | 40 | 33 | 35 | 41 | 41 | 26 | 276 |
| 2016-17 | 40 | 33 | 39 | 31 | 39 | 32 | 40 | 35 | 289 |
| 2017-18 | 42 | 25 | 48 | 36 | 38 | 30 | 40 | 32 | 291 |
| 2018-19 | 42 | 26 | 47 | 29 | 47 | 35 | 38 | 30 | 294 |
| 2019-20 | 29 | 38 | 49 | 28 | 44 | 27 | 47 | 31 | 293 |
| **Total** | **222** | **180** | **259** | **199** | **244** | **191** | **248** | **180** | **1723** |

| B.Tech. (Agril Engg) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Particulars | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | |
| | Enrolled | Passed | Enrolled | Passed | Enrolled | Passed | Enrolled | Passed | Enrolled | Passed |
| UG - Male | 45 | 42 | 40 | 36 | 40 | 34 | 40 | 32 | 44 | 30 |
| UG - Female | 27 | 26 | 30 | 27 | 34 | 39 | 32 | 40 | 26 | 38 |
| | **72** | **68** | **70** | **63** | **74** | **73** | **72** | **72** | **70** | **68** |

**M.Tech. (Agricultural Engineering)**

College ids offering M.Tech. (Agricultural Engineering) in three Departments, namely, Farm Machinery and Power Engineering, Processing and Food Engineering, and Soil and Water Engineering since 2006-07 onwards. One student from Afghanistan has completed M.Tech (Soil and Water Engineering) programme. So far, 102 PG students were awarded their degrees. The college has 32 post graduates on roll during the academic year 2019-20.

**Student Intake and Attrition for the College in PG Programmes**

| Year | Intake | | | Attrition | | | Attrition (%) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **M.Tech. (Farm Machinery and Power Engineering)** | | | | | | | | | |
| 2015-16 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 1 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 4 | 0 | 4 | 2 | 0 | 2 | 50 | 0 | 50 |
| 2018-19 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019-20 | 4 | 1 | 5 | 1 | 0 | 1 | 20 | 0 | 20 |
| **M.Tech. (Processing and Food Engineering)** | | | | | | | | | |
| 2015-16 | 5 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 2 | 6 | 8 | 0 | 1 | 1 | 0 | 12.5 | 12.5 |
| 2017-18 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 3 | 5 | 8 | 1 | 0 | 1 | 12.5 | 0 | 12.5 |
| 2019-20 | 2 | 4 | 6 | 0 | 2 | 0 | 0 | 33.3 | 33.3 |
| **M.Tech. (Soil and Water Engineering)** | | | | | | | | | |
| 2015-16 | 2 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 2 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 1 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019-20 | 1 | 2 | 3 | 1 | 1 | 2 | 33.3 | 33.3 | 66.6 |

**Ph.D. (Agricultural Engineering)**

College is offering Ph.D. (Agricultural Engineering) in Departments of Farm Machinery and Power Engineering, Processing and Food Engineering, and Soil and Water Engineering since 2012-13 academic year onwards. Of late, 53 students have enrolled to Ph.D. programme. The College has 32 doctoral students on roll during the academic year 2019-20.

**Student Intake and Attrition for the College in Ph.D. Programmes**

| Year | Intake | | | Attrition | | | Attrition (%) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **Ph.D. (Farm Machinery and Power Engineering)** | | | | | | | | | |
| 2015-16 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 0 | 2 | 2 | 0 | 1 | 1 | 0 | 50 | 50 |
| 2019-20 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Ph.D. (Processing and Food Engineering)** | | | | | | | | | |
| 2015-16 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019-20 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Ph.D. (Soil and Water Engineering)** | | | | | | | | | |
| 2015-16 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019-20 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

## 6.5.4.2 Average Number of Students in Theory and Practical Classes

**Student Strength in Theory and Practical Classes**

| Sl. No. | Name of the Degree Programme | Batch of Students in Theory Class | Batch of Students in Practical Class |
|---|---|---|---|
| 1 | B.Tech. (Agricultural Engineering) | 72 | 36 |
| 2 | M.Tech. (Agricultural Engineering)<br>a) Farm Machinery and Power Engineering<br>b) Processing and Food Engineering<br>c) Soil and Water Engineering | <br>5<br>5<br>3 | <br>5<br>5<br>3 |
| 3 | Ph.D. (Agricultural Engineering)<br>a) Farm Machinery and Power Engineering<br>b) Processing and Food Engineering<br>c) Soil and Water Engineering | <br>2<br>2<br>2 | <br>2<br>2<br>2 |

### 6.5.4.3 Admission Process

Selected students to the B.Tech. (Agricultural Engineering) programme through EAMCET Counseling pay fees in cash after arrival to the College. After payment, Fee Receipt is being issued instantaneously. Whereas, the students acquired admission to M.Tech. and Ph.D. programmes pay requisite fee at University Admission Counseling Centre in cash and the Fee Receipt for the same is being issued on the spot to the student concerned.

Registration of the courses is being done in the College during Orientation Session for B.Tech. (Agricultural Engineering) programme separately and M.Tech. & Ph.D. programmes separately. Students have to fill the registration material and the registration slips will be passed on to the respective courses in-charge.

Academic Calendar is scrupulously prepared by the University for B.Tech. (Agricultural Engineering) programme separately and M.Tech. & Ph.D. programmes separately.

**B.Tech. (Agricultural Engineering)**

Admission into First Year B.Tech. (Agricultural Engineering) programme is being done through AP state EAMCET ranks through common counseling of the state. Intake is for 60 seats. Out of 60 seats, 60% (36) of the seats are filled by EAMCET Convener, whereas remaining 40% (24) seats are filled under farmers' quota duly following the reservation policy of the state. There are 15% additional seats over and above 60 available for students of ICAR quota nominated by ICAR, New Delhi. Those who have completed 3-year Diploma in Agricultural Engineering have facility of entering into Second Year B.Tech. (Agricultural Engineering) through AGRIENGGCET conducted by ANGRAU every year. There are 15% seats over and above 60 are reserved for these lateral entry students.

**M.Tech. (Agricultural Engineering)**

Admission process carried out to the M.Tech. programmes is through entrance examination (JRF) conducted by the ICAR every year (since 2018-19) as per the reservation policy of the state. Earlier ANGRAU conducted the entrance examination based on the B.Tech. (Agricultural Engineering) syllabus. Present intake is 13 students in all the three departments of M.Tech. (Agricultural Engineering) programme. Apart from regular admission, over and above, 15% of students secure admission under ICAR quota with ICAR fellowship. From the academic year 2017-18 onwards, provision is made for International students also for PG programmes.

**Ph.D. (Agricultural Engineering)**

Admission process carried out to the Ph.D. programmes is through entrance examination (SRF) conducted by the ICAR every year (since 2018-19) and interview performance as per the reservation policy of the state. Earlier ANGRAU conducted the entrance examinations in each specialization based on the MTech. (Agricultural Engineering) syllabus. Apart from regular admission, over and above, 15% of students secure admission under ICAR quota with ICAR fellowship. There is a provision of one seat for regular students in each Department and one seat altogether for in-service faculty of ANGRAU.

### 6.5.4.4 Conduct of Practical and Hand-on Training

Practical classes in two batches for B.Tech. (Agricultural Engineering) are being conducted in the courses having practical component.



**Students Attending C++ Laboratory Class**



**Surveying & Leveling Practical Class**

### 6.5.4.5 Examinations and Evaluation Process

Examinations for all the courses are being conducted with fool proof and transparency. Most of the courses are having theory as well as practical component. Each credit of the course is evaluated for 50 marks.

**B.Tech. (Agricultural Engineering)**

Mid-semester examinations are being held after 50% of the semester working days in half the syllabus, whereas, semester final theory examinations are conducted after completion of the semester. Mid-semester examinations and semester final theory examinations are conducted for 50 and 100 marks, respectively.

Mid-semester examination question papers are set by the courses in-charge itself and conduct the examination with the support of the Departmental faculty and staff. Question paper

has two parts (Part-A and Part-B). Part-A contains bits in the form of fill in the blanks, multiple choice questions, matching, formulae, statements, one sentence answers, etc. for 20 marks. Part-B contains 5 questions of essay type, derivations, problems solving, etc. for 30 marks. After examination is completed, the concerned course in-charge evaluates the answer scripts and show to the students for verification within 10 days.

Practical final examination is being conducted in the laboratory, workshop, computer centre, drawing hall or examination hall depending upon the nature of the course. Practical component is evaluated on 50:50 bases, i.e., 50% of the marks for internal evaluation based on record work, assignments, experimentation, slip tests, quizzes, attendance, etc. and the remaining 50% of the marks are for final practical examination. Those students who obtained more than 75% of attendance are allowed to appear for both the practical final and semester final theory examinations.

However, question papers for semester final theory examinations are also set by the concerned courses in-charge from all the campuses and sent to the University. Question paper has two parts (Part-A and Part-B). Part-A contains bits in the form of fill in the blanks, multiple choice questions, matching, formulae, statements, one sentence answers, etc. for 40 marks. Part-B contains 8 questions of essay type, derivations, problems solving, etc. for 60 marks, but, students has to attempt any 5 questions. All these question papers are moderated by senior faculty at University level. Then, one moderated question paper is selected by the Dean of Agricultural Engineering and Technology. University will get it printed and supply the sealed bundles of the question papers to the concerned Colleges one day before the start of the semester final theory examinations. They are put under lock and key by the Associate Dean of the College. On the day of examination, the concerned question paper bundles are opened 15 min prior to the scheduled start of the examination. Examinations are conducted with the help of faculty (one faculty for each 30 students) and College staff under the supervision of Hall Superintendent. Initially Part-A is held for 30 min and the Part-B for 2 hours. After examination, both Part- A and Part-B are clubbed together and all the answer scripts are sealed and put under custody. All the bundles of the answer scripts pooled to Spot Evaluation Centre in any one of the Colleges. There, answer scripts of same course from all the Colleges are jumbled/randomized and coded in front of a committee constituted for this purpose. One or two faculty from all these Colleges, who dealt the same course, are assigned the evaluation duty by Dean of Agricultural Engineering and Technology. Generally, each teacher is allowed to evaluate about 30 answer scripts in a day.After evaluation is completed, the answer scripts are

decoded by another committee and the results are sent to the corresponding colleges. The course in-charge prepares the Performance Register as per the weightage and declares the results. Those students who obtained more than 75% of attendance are permitted to appear for the semester final theory examination.

Students have to score 50% of marks to pass both semester theory examination and practical final examination. Also, they need to obtain 5.0 Grade Point to clear the course. After all the courses of B.Tech. (Agricultural Engineering) are passed, the Overall Grade Point Average (OGPA) is awarded with Class as stated below.

| OGPA | Class |
|---|---|
| 8.00 and above | First Class with Distinction |
| 7.00 to 7.99 | First Class |
| 6.00 to 6.99 | Second Class |
| 5.00 to 5.99 | Pass |

**M.Tech. (Agricultural Engineering) and Ph.D. (Agricultural Engineering)**

Mid-semester examinations are being held after 50% of the semester working days in half the syllabus, whereas, semester final theory examinations are conducted after completion of the semester. Mid-semester examinations and semester final theory examinations are conducted for 30 and 100 marks, respectively. Assignments (including term papers) are evaluated for 20 marks.

Mid-semester examination question papers are set by the courses in-charge itself and conduct the examination. Question paper has two parts (Part-A and Part-B). Part-A contains bits in the form of fill in the blanks, multiple choice questions, matching, formulae, statements, one sentence answers, etc. for 15 marks. Part-B contains 3 questions of essay type, derivations, problems solving, etc. for 15 marks. After examination is completed, the concerned course in-charge evaluates the answer scripts and show to the students for verification within 10 days.

Practical final examination is being conducted in the laboratory, workshop, computer centre, drawing hall or examination hall depending upon the nature of the course. Practical component is evaluated on 50:50 bases, i.e., 50% of the marks for internal evaluation based on record work, experimentation, slip tests, quizzes, attendance, etc. and the remaining 50% of the marks are for final practical examination. Those students who obtained more than 75% of attendance are allowed to appear for both the practical final and semester final theory examinations.

Question papers for semester final theory examinations are also set by the concerned courses in-charge and sent to the University. Question paper has two parts (Part-A and Part-B). Part-A contains short answer questions for 40 marks. Out of 10 questions, student has to attempt 8 questions. Part-B contains 8 questions of essay type, derivations, problems solving, etc. for 60 marks, but, students has to attempt any 5 questions. All these question papers are moderated by senior faculty at University level. Then, moderated question paper is printed and supply the sealed bundles of the question papers to the concerned Colleges one day before the start of the semester final theory examinations. They are put under lock and key by the Associate Dean of the College. On the day of examination, the concerned question paper bundle is opened 15 min prior to the scheduled start of the examination. Examinations are conducted with the help of course in-charge and departmental staff. The examination is held for 3 hours. After examination, all the answer scripts are sealed and put under custody. All the bundles of the answer scripts are sent to University. There, answer scripts are jumbled/randomized and coded. Course in-charge, who dealt the same course, is assigned the evaluation duty by Dean of Post Graduate Studies. Generally, each teacher is allowed to evaluate about 30 answer scripts in a day. After evaluation is completed, the answer scripts are decoded by University and the results are sent to the College. The course in-charge prepares the Performance Register as per the weightage and declares the results. Those students who obtained more than 75% of attendance are permitted to appear for the semester final theory examination.

Students have to score 50% of marks to pass both semester theory examination and practical final examination. Also, they need to obtain 6.0 Grade Point to clear the course.

Comprehensive written and oral examinations are conducted after the course work is completed. Written examination in core courses only is being held for M.Tech. students and in both core and minor courses separately is being conducted for Ph.D. students. M.Tech. and Ph.D. students have to obtain 50% and 70% marks, respectively, in these written examinations. Oral examination for these students is being conducted by inviting External Examiner from other SAUs or IITs.

### 6.5.4.6 NCC/NSS/RVC Units

National Service Scheme (NSS) is an Indian government-sponsored public service program conducted by the Department of Youth Affairs and Sports of the Government of India. The NSS programme is an integral part of course curriculum of B.Tech. (Agricultural Engineering). The NSS programme comprises of regular activities (120 hours) and Annual

Special Camp (120 hours). The regular activities are being conducted on campus and off-campus throughout the year. The Annual Special Camps are being conducted in a rural village for 7 days and the NSS volunteers have to stay in the village during the special camp. All the NSS volunteers who have served NSS for 3 years and have performed 240 hours of work under NSS are being issued a certificate from the university with the signature of the Hon'ble Vice-Chancellor and the Programme Coordinator at University level (Dean of Student Affairs).

Regular NSS activities like social awareness, door to door surveys, rallies, etc.are conducted in and around Bapatla and also in adopted villages. The details of NSS volunteers are shown in the below table. Two NSS units are allocated to this college and are in full functioning mode from first year of the course. NSS aimed at developing students' personality through community service was achieved at this college in undergraduate students. NSS special camp was organized every year at two places by two NSS units. The NSS volunteers actively participated in cleaning the premises of college campus every week as per the schedule. Further, the following activities are being conducted under NSS programme as furnished below. NSS volunteers learned many skills through NSS activities; some important are as follows:

- Enabled students to acquire specialized competence in communication skills
- Improved awareness on local crops related problems and needs of the farmers and in turn improved thinking and technical skills
- Acquired leadership qualities
- Students improved in attitude, behavioural aspects

**Details of NSS units during last five years**

| Sl. No. | Year | No. of NSS volunteers | No. of NSS units allotted | Status of function |
|---|---|---|---|---|
| 1 | 2015-16 | 132 | 1 Unit | Functioned |
| 2 | 2016-17 | 221 | 2 Units | Functioned |
| 3 | 2017-18 | 214 | 2 Units | Functioned |
| 4 | 2018-19 | 231 | 2 Units | Functioned |
| 5 | 2019-20 | 277 | 2 Units | Functioned |

**Category-wise No. of NSS volunteers**

| Sl. No. | Year | SC | | ST | | BC | | General | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | F | M | F | M | F | M | F | M | F |
| 1 | 2015-16 | 9 | 11 | 3 | 1 | 35 | 35 | 26 | 12 | 73 | 59 |
| 2 | 2016-17 | 12 | 18 | 5 | 4 | 61 | 56 | 40 | 25 | 118 | 103 |
| 3 | 2017-18 | 15 | 15 | 8 | 1 | 58 | 50 | 39 | 28 | 120 | 94 |
| 4 | 2018-19 | 16 | 16 | 8 | 2 | 58 | 47 | 58 | 26 | 140 | 91 |
| 5 | 2019-20 | 17 | 19 | 10 | 4 | 79 | 68 | 47 | 33 | 153 | 124 |

**Details of NSS special camps**

| Sl. No. | Year | Place of NSS special camp held | No of NSS units participated | Period |
|---|---|---|---|---|
| 1 | 2015-16 | Basivireddypalem, Bapatla Manal | 1 unit | 10th February to 16nd February, 2016 |
| 2 | 2016-17 | Pothurajukothapalem, Bapatla, mandal | 2 Units | 16th February to 22nd February, 2017 |
| 3 | 2017-18 | Pinnuboinavaripalem, Bapatla mandal | 2 Units | 16th March to 22nd March, 2018 |
| 4 | 2018-19 | (i) Panduranga Puram<br>(ii) Devinutala | 2 Units | 08th February to 14th February, 2019 |
| 5 | 2019-20 | (i) Poondla, Special<br>(ii) Poondla, Main | 2 Units | 18th February to 24th February, 2020 |

**Brief activities year-wise under NSS programme on campus and off-campus**

**2015-16**

| Sl.No. | Activity | Date |
|---|---|---|
| 1 | Birth anniversary of Dr B.R. Ambedkar | 14-04-2015 |
| 2 | Anti-ragging awareness programme | 14.08.2015 |
| 3 | NSS Foundation Day function and Blood donation camp | 24-09-2015 |
| 4 | Gandhi Jayanthi | 02-10-2015 |
| 5 | Campus Cleaning | 02-10-2015 |
| 6 | Death Anniversary of Dr B.R. Ambedkar | 06-12-2015 |
| 7 | Village meeting, Karlapalem | 10-12-2015 |
| 8 | International White Cane Day - Donated Rs.3830/- to Indian Association for the Blind | 15-10-2015 |
| 9 | Clean and Green Programme | 13-11-2015 |
| 10 | NSS special camp | 10-02-2016 to 16-02-2016 |

**2016-17**

| | | |
|---|---|---|
| 1 | Birth anniversary of Dr B.R. Ambedkar | 14-04-2016 |
| 2 | International Youth Seminar at Kothurmandal, Telangana- One NSS Volunteer participated | 23-4-2016 to 27-04-2016 |
| 3 | International Yoga Day | 21-06-2016 |
| 4 | Vanam-Manam Programme | 22-07-2016 |
| 5 | Swatch Bharat | 22-08-2016 |
| 6 | Personality development and Yoga Programme | |
| 7 | NSS Foundation Day function and Blood donation camp | 24-09-2016 |
| 8 | Gandhi Jayanthi | 02-10-2016 |
| 9 | Anti-ragging awareness programme | 15-10-2016 |
| 10 | National Unity Day | 31-10-2016 |
| 11 | Agricultural Education Day on | 03-12-2016 |
| 12 | Death Anniversary of Dr B.R. Ambedkar | 06-12-2016 |
| 13 | NSS special camp | 16-02-2017 to 22-02-2017 |

**2017-18**

| | | |
|---|---|---|
| 1 | Birth anniversary of Dr B.R. Ambedkar | 14-04-2017 |
| 2 | International Yoga Day | 21-06-2017 |
| 3 | Vanam-Manam Programme | 01-07-2017 |
| 4 | SwacchataPakwada | 01-08-2017 to 15-08-2017 |
| 5 | Clean and Green programme | 23-08-2017 |
| 6 | NSS Foundation Day function and Blood donation camp | 24-09-2017 |
| 7 | Anti-ragging awareness programme | 16-09-2017 |
| 8 | Gandhi Jayanthi | 2-10-2017 |
| 9 | Clean and Green programme | 21-10-2017 to 28-10-2017 |
| 10 | Clean and Green programme | 14-10-2017 28-10-2017 |
| 11 | National Unity Day | 31-10-2017 |
| 12 | Plastic waste free campus | 08-11-2017 |
| 13 | Death Anniversary of Dr B.R. Ambedkar | 06-12-2017 |
| 14 | Plantation of saplings | 25-02-2018 |
| 15 | NSS special camp | 16-03-2018 to 22-03-2018 |

**2018-19**

| | | |
|---|---|---|
| 1 | Birth anniversary of Dr. B R Ambedkar | 14-04-2018 |
| 2 | International Yoga Day | 21-06-2018 |
| 3 | Vanam-Manam Programme | 05-07-2018 |
| 4 | Orientation class was conducted to the NSS Volunteers | 23-07-2018 |
| 5 | Inaugurated Agricos Green Programme | 31-07-2018 |
| 6 | SwacchataPakwada | 01-08-2018 to 15-08-2018 |
| 7 | Anti-ragging awareness programme | 21-08-2018 |
| 8 | Clean and Green programme | 27-08-2018 |
| 9 | Vanam - Manam | 01-09-2018 |
| 10 | Swachhata Hi Seva | 15-09-2018 |
| 11 | Health and hygiene awareness Government school, Pinnibionavaripalem | 22-09-2018 |
| 12 | Golden Jubilee NSS Foundation Day function and Blood donation camp | 24-09-2018 |
| 13 | Rally on Swachhatha | 29-09-2018 |
| 14 | Gandhi Jayanthi | 02-10-2018 |
| 15 | Shramadanam | 06-10-2018 |
| 16 | National Unity Day | 31-10-2018 |
| 17 | Clean and Green programme | 03-11-2018 17-11-2018 |
| 18 | Constitution Day | 26-11-2018 |
| 19 | National Unity Day | 31.10.2018 |
| 20 | SwachtaBharath | 28-12-2018 29-12-2018 |
| 21 | Death Anniversary of Dr B.R. Ambedkar | 06-12-2018 |
| 22 | 5K RUN in view of 6th round of JanmabhoomiMaavuru (JBM) Programme | 06-01-2019 |

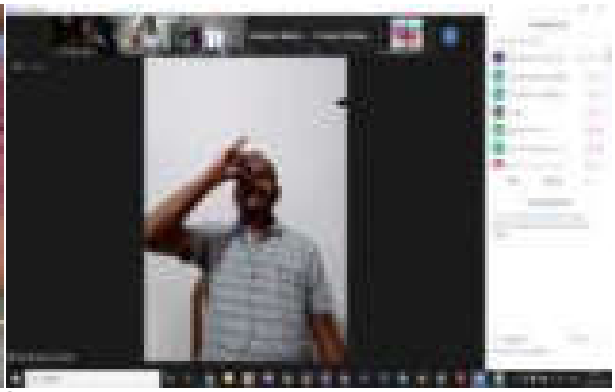
| | | |
|---|---|---|
| 23 | Clean and Green Programme | 21-01-2019 |
| 24 | NSS special camp at Pandurangapuram Village Bapatlamandal and Devinuthala Village, Chirala Mandal | 08-02-2019 to 14-02-2019 |
| 25 | Clean and Green Programme | 25-02-2019 26-02-2019 |
| 26 | Pulse Polio Immunization programme | 10-03-2019 |
| 27 | Plantation of saplings | 16-03-2019 |

**2019-20**

| | | |
|---|---|---|
| 1 | Clean and Green programme | 01-04-2019 |
| 2 | Birth anniversary of Dr B.R. Ambedkar | 14-04-2019 |
| 3 | Plantation of saplings | 24-04-2019 |
| 4 | International Yoga Day | 21-06-2019 |
| 5 | Jal Shakthi Abhiyan | 29-07-2019 |
| 6 | SwachhtaPakhwada - Jal Shakthi Abhiyan (Fortnight) Activities | 01-08-2019 to 15-08-2019 |
| 7 | Campus cleaning Cleaned hydraulic laboratory | 01-08-2019 |
| 8 | Conducted rally on Swachhata at Ponnoboinavaripalem | 01-08-2019 |
| 9 | Door to door awareness campaign on “Better sanitation practices like using of toilets, hand washing, health and hygiene awareness etc.” at Government school, Pinniboinavaripalem | 06-08-2019 |
| 10 | Anti-ragging awareness programme | 21-08-2019 |
| 11 | Golden Jubilee of NSS Foundation Day and Blood donation camp | 24-09-2019 |
| 12 | Plastic free awareness Programme | 28-09-2019 |
| 13 | Swachta hi seva | 11-09-2019 to 27-10-2019 |
| 14 | 150$^{th}$ Birth anniversary of Mahatma Gandhi | 02-10-2019 |
| 15 | Fit India Polg Run | 02-10-2019 |
| 16 | Agricos Green Programme | 03-10-2019 |
| 17 | National Unity Day | 31-10-2019 |
| 18 | Clean and Green programme | 03-11-2019 |
| 19 | 70$^{th}$ National Constitutional Day | 26-11-2019 |
| 20 | National Unity Day | 31-10-2019 |
| 21 | Death Anniversary of Dr B.R. Ambedkar | 06-12-2018 |
| 22 | Pulse Polio Immunization programme | 19-01-2020 |
| 23 | NSS special camp at Poondla special and Poondla main | 18-02-2020 to 24-02-2020 |
| 24 | Clean and Green Programme | 13-03-2020 |




**Blood Donation Camp on 24-09-2019  Jal Shakti Abhiyan Rally on 29-07-2019**

**Agricos Green Programme on 3-10-2019  Online Yoga on International Yoga Day 21-06-2020**

### 6.5.4.7 Language Laboratory

AEAS 175 Communication Skills and Personality Development course is being offered to first year students during first semester by the Agricultural College, Bapatla. Facilities available at that College are being utilized by our students.

### 6.5.4.8 Cultural Centre

There is no separate Cultural Centre established in the College. But, students practice in the cultural activities in Common Halls available in the Hostels. Students of this College participate in all the intercollegiate cultural and literary events. Few students got selected for participation in inter university competitions, Youth Festival, etc.

**Students who participated and won prizes in various cultural and literary activities at University and All India level**

| Name of the Student | Name of the Activity | Merit/Place | Name and Place of Event |
|---|---|---|---|
| **2019-20** | | | |
| T. Kavya Sri (IV Year) | Elocution - English | 2nd Place | Inter collegiate sports, games, cultural and literary meet,1st Phase, Agricultural College, Badvel (30-09-2019 to 4-10-2019) |
| Md Ali Shaik | Elocution – Telugu | 3rd Place | |
| T. Kavya Sri (IV Year) | Extempore | 2nd Place | |
| Ch. Sirisha | Solo Folk Dance | 3rd Place | |
| Md Ali Shaik<br>S. Ravi Teja<br>R. Vamsi Krishna<br>B. D. V. Ramana<br>B. Brahmanada Reddy<br>G. Vivek | Meme | 3rd Place | |
| **2018-19** | | | |
| K. Anji Babu | Extempore | 2nd Place | Inter collegiate sports, games, cultural and literary meet,1st Phase, Agricultural College, Bapatla (03-10-2018 to 06-10-2018) |
| T. Kavya Sree | Elocution | 3rd Place | |
| T. Mahesh | Cartooning | 2nd Place | |
| K. Susmitha | Solo Folk Dance | 1st Place | |
| A. Asha Jyothi<br>K. Pavithra<br>A. Ramya Sri<br>T. Vineela<br>B. Usha Rani<br>B. Harshika | Group Folk Dance | 2nd Place | |
| K.Susmitha | Solo Folk Dance | Participation | **All India Inter Agricultural Universities Youth Festival, SDAU, Sardarkrishi Nagar, Gujarat (03-02-2019 to 07-02-2019)** |
| **2017-18** | | | |
| G. Adithya (M. Tech)<br>K. Vinod (IV Year),<br>M Aravind (IV Year)<br>A. Vasu. (IV Year)<br>S. Ravi Teja (II Year)<br>T. Nikhil Sharma (IV Year) | Mime | 2nd Place | Inter collegiate sports, games, cultural and literary meet,3rd Phase, Agricultural College, Bapatla |

| | | | |
|---|---|---|---|
| T. Nikhil Sharma (IV Year)<br>M. Reethika (III Year),<br>Pavan Naik (II Year)<br>Sohela (II Year)<br>B. Padmaja (II Year) | Group Song | 2nd Place | (27-12-2017 to 30-12-2017) |
| G. Adithya (M. Tech)<br>K. Vinod (IV Year)<br>M Aravind (IV Year)<br>A. Vasu. (IV Year)<br>K. Raju Yadav (IV Year)<br>T. Nikhil Sharma (IV Year)<br>N. Naga Raju (IV Year)<br>S. Mahitha (IV Year)<br>P. Lavanya (IV Year)<br>G. Adithya (M. Tech), | One Act Play | 3rd Place | |
| K. Susmitha. (II Year) | Solo Folk Dance | 3rd Place | |
| **2016-17** | | | |
| | Telugu debate | 2nd Place | Inter collegiate sports, games, cultural and literary meet,3rd Phase, S.V.Agricultural College, Tirupati (17-12-2016 to 20-12-2016) |
| | Spot painting | 2nd Place | |
| | Mono action | 2nd Place | |
| **2015-16** | | | |
| S. Anusha (II Year) | Telugu Elocution | 1st Place | Inter collegiate sports, games, cultural and literary meet,2nd Phase, Agricultural College, Bapatla |
| B.J.V. Sai Vinay (M. Tech II Year) | English Elocution | 3rd Place | |
| G. Mani Prakash Reddy (IV)<br>S. Anusha (II) | Debate Telugu | 2nd Place | |
| B.J.V. Sai Vinay (M. Tech II Year) | Extempore | 3rd Place | |
| M. Raja Sekhar (M. Tech I Year) | Poster Making | 1st Place | |
| M. Raja Sekhar (M. Tech I Year) | Cartooning | 1st Place | |
| P. Heramb (II) | Patriotic Poem | 3rd Place | |
| G. Adithya (M. Tech, I Year) | Mono-action | 2nd Place | |
| Y. N Sinduja (IV) | Rangoli | 3rd Place | |
| G. Mani Prakash Reddy<br>K. Sai Manogna<br>Ch. N. Tulasi Krishna<br>Akhil Shiney<br>Samskruthi<br>Y. N. Sinduja<br>G. Vinoda<br>M. Lakshmi Durga<br>A. Balaji Reddy | One Act Play | 2nd Place | |
| G. Adithya | Skit | 3rd Place | |

| | | | |
|---|---|---|---|
| N. L. Kalyan Kumar<br>B. Udaya Bhanu Praksh<br>A. Balaji Reddy<br>M. Krishna Naik<br>Jagadeesh Surya | | | |



**Cultural Program in the College**

### 6.5.4.9 Personality Development

College is continuously striving hard to overall development of all the students. Several personality development classes are being conducted regularly apart from Yoga classes also. Special classes also being conducted for backlog students and SC-ST students. Much emphasis also being given to improving the spoken English in order to perform better in placement interviews.

**Training Programmes Conducted for Students**

| Sl. No. | Name of the Training Programme | Duration |
|---|---|---|
| | **2016-17** | |
| 1 | Personality development classes | 12-03-2016 to 14-03-2016 |
| | **2017-18** | |
| 2 | Personality development and spoken English classes | 12-03-2017 to 14-03-2017 |
| | **2018-19** | |
| 3 | GATE, SRF and JRF for Classes | 29-11-2018 to 08-12-2018 |
| 4 | Backlog classes | 12-12-2018 to 14-12-2018 |
| 5 | Personality development classes and Aptitude Reasoning | 12-12-2018 to 14-12-2018 |
| 6 | Spoken English classes | 15-12-2018 to 16-12-2018 |
| | **2019-20** | |
| 7 | Personality development Spoken English Classes | 30-12-2019 to 31-12-2019 |
| 8 | Gate Coaching classes | 01-01-2020 to 10-01-2020 |
| 9 | Skill Development Training Programme | 14-01-2020 to 27-01-2020 |
| 10 | Personality development classes | 29-01-2020 to 29-01-2020 |
| 11 | Student developing attitude Gaining | 20-01-2020 to 21-01-2020 |

| | | |
|---|---|---|
| | Confidence training programme | |
| 12 | Verbal Non Verbal Coaching Classes | 22-01-2020 to 23-01-2020 |
| 13 | Student developing Learning Assessment training programme | 30-01-2020 to 31-01-2020 |
| 14 | Entrepreneurship Development Programme for Rural youth on oil milling and marketing | 03-02-2020 to 04-02-2020 |
| 15 | Training on “AutoCAD and PRO-E” | 10-02-2020 to 15-02-2020 |
| 16 | MATLAB Software training Classes | 16-02-2020 to 20-02-2020 |
| 17 | Skill Development Training Programme | 26-02-2020 to 29-02-2020 |
| 18 | Student developing Learning Assessment training programme | 03-03-2020 to 05-03-2020 |
| 19 | JRF Coaching | 08-03-2020 to 17-03-2020 |
| 20 | Training programme on “GIS & GPS” | 10-03-2020 to 16-03-2020 |
| 21 | Training on “R’ Programme” statistical model | 17-03-2020 to 22-03-2020 |

Apart from them, College has conducted personality development classes in NAHEP-IDP also. M/s Smart Series, Bangalore conducted soft skill training programme for 6 days during 01st April to 6thApril, 2019. Overall, around 138 students attended the programme. A five-day overall personality development training programme was conducted in the College from April 22nd to April 26th, 2019 by M/s SS Technologies, Hyderabad. There were 84 students from I Year B.Tech. (Agril Engg) and M.Tech. (Agril Engg) attended the training programme.



**Spoken English Class**



**Verbal and Non-Verbal Coaching Class**



**MATLAB Software training Class**



**Training programme on R**



**Training on Overall Personality Development by M/s SS Technologies, Hyderabad**

## 6.5.5 Physical Facilities

Physical infrastructure for healthy living of students in the campus is provided within the campus in short distance. Wardens, Officer in-charge of Student Activities, Officer in-charge of Academic Matters for UG and PG, Officer in-charge of Placement Cell, NSS Programme Officer, Library in-charge, Computer Laboratory in-charge, Medical Doctor, Compounder, Physical Director, etc. are positioned in the College to take care of the students.

### 6.5.5.1 Hostels

Boy students are provided accommodation in 2 separate hostels at one end and girl students are accommodated in two separate hostels at the other end of the campus. Boy student hostels, namely, Dr. K.L. Rao Hall of Residence and New Boys Hostel. The two boy hostels have total of 52 rooms in which 170 students are residing. Similarly, two girl hostels have total of 36 rooms where 127 girls are accommodated at present. Most of the rooms in the hostels can accommodate 4 students comfortably. The rooms have the cots equivalent to the student numbers, cupboards, reading tables, chairs, etc. Other features and facilities in the college hostels are as follows:

- Boys hostel mess is equipped with big dining tables (8Nos.), chairs (60Nos.), water cooler (1 No.), RO plant (1No.), refrigerator (1No.), LED TV with good sound system, ceiling fans(10Nos.).

- Similarly, Girls hostel mess is equipped with big dining tables (2Nos.), chairs (30Nos.), water cooler (1No.), refrigerator (1 No.), LED TV with good sound system, ceiling fans(3Nos.).
- Purified water dispensers for cool, hot and normal water are available in each hostel.
- Hostels are also having facilities such as guest room for parents, sick room for isolation purposes, etc.
- Hostels are having sufficient number of well managed bath rooms and toilets.
- Disabled friendly rest rooms are also provided in the new boys and girls hostels.
- Ramp facilities for convenience of the differently challenged students are provided in all the boys and girls hostels.
- Reading rooms are available in the new boy and girl hostels. English and Telugu newspapers, and some magazines are being provided in the hostels.
- Gymnasium with required exercise equipment is available at both the girls and boys hostels.
- Facilities for indoor games such as table tennis, caroms and chess are available.
- Courts for the net games such as basketball, shuttle, volley ball, etc. are available adjacent to the hostel.
- The ground for playing cricket and football with running tracks is available between the hostel and college building.
- CCTV cameras were installed at different strategic locations inside and outside the hostels and monitored continuously the movement of students and outsiders.
- First aid kits are made available in both the hostels.

Senior faculty member of male is appointed as warden for boys hostel and senior faculty of female is appointed as warden for girls hostel to supervise the routine boarding and lodging requirements and welfare of the students.

**Details of the Hostels**

| Sl. No. | Name of the Hostel | Capacity | Presently accommodated |
|---|---|---|---|
| **Boys** | | | |
| **1** | Dr. K.L. Rao Hall of Residence | 140 | 132 |
| **2** | New boys hostel | 38 | 38 |
| **Girls** | | | |
| **1** | Old Girls Hostel | 96 | 89 |
| **2** | New Girls Hostel | 38 | 38 |



**Dr K.L. Rao Hall of Residence (Old Boys Hostel)**



**New Girls Hostel**

### 6.5.5.2 Examination Hall

Examination hall with 80 seating capacity to accommodate the students at distance is available. This hall is well ventilated with good lighting facility and fans. This hall is supported by a large room attached to it to store the examination material intact. Examination preparation process is done in this room.



**Examination Hall**

### 6.5.5.3 Sports and Recreation Facilities

Students practice the games daily in the evening by Physical Director. There is one practical class in first year B.Tech. (Agricultural Engineering) to make the students conversant with rules and regulations of Physical Education. Boys Hostel is having a well equipped Gym for improving the fitness of the students.

**Sports and Games Infrastructural Facilities**

| Sl.No. | Name of game | Available infrastructure |
|---|---|---|
| 1 | Cricket | Pitch |
| 2 | Foot ball | Ground |
| 3 | Ball Badminton | One outdoor Court (Separate for boys and girls) |
| 4 | Indoor Gymnasium | Well-equipped Gym |
| 5 | Table Tennis | Two Table Tennis Boards (Separate for boys and girls) |
| 6 | Volley Ball | Two Volley Ball Courts (Separate for boys and girls) |
| 7 | Shuttle Badminton | Shuttle Badminton courts |
| 8 | Tennicoit | Tennicoit Court for girls |
| 9 | Caroms | 4 indoor carom boards (Separate for boys and girls) |
| 10 | Chess | 5 indoor Chess boards |

### 6.5.5.4 Auditorium

Ground floor of the Library is having a Auditorium to accommodate about 150 students. College general functions are being held in the facility normally.

### 6.5.5.5 Exhibition Hall/Museum

One museum is established where in the academic posters, exhibits, etc. are displayed for students use.

## 6.5.6 Research Facilities

Departmental laboratories are well equipped to conduct B.Tech. (Agricultural Engineering), M.Tech. (Agricultural Engineering) and Ph.D. (Agricultural Engineering) practical component of all courses apart from research work being carried under SRDY 484 Project Work and Report Writing course of B.Tech. (Agricultural Engineering), Master's research of M.Tech. (Agricultural Engineering) and Doctorial research of Ph.D. (Agricultural Engineering).

### 6.5.6.1 Postgraduate Laboratories and Equipment

Each department of the College is having dedicated laboratories. Apart from them, College is having Post Graduate Computer Laboratory to run AutoCAD, ProE, MATLAB, Catia,

Statistical Software ‘R’, SAS, CROPWAT, CRIWAR, SURFER, SURDEV, WINFLUME, RS&GIS etc. Department-wise distribution of laboratories is furnished here under:

A. Department of Farm Machinery and Power Engineering
    1. Farm Power Laboratory
    2. Farm Machinery Laboratory
    3. Advanced Workshop
    4. Soil Dynamics Laboratory
    5. Ergonomics Laboratory

B. Department of Processing and Food Engineering
    1. Instrumentation Laboratory
    2. Process Engineering Laboratory
    3. Food Analysis Laboratory
    4. Food Microbiology Laboratory
    5. Environmental Control Laboratory

C. Department of Soil and Water Engineering
    1. Filed Irrigation Laboratory
    2. Wells and Pumps Laboratory
    3. Watershed
    4. Soil and Water Conservation Laboratory

**Department of Farm Machinery and Power Engineering**

| Sl. No. | Name of the laboratory | Name of the Important Equipment/Instruments |
|---|---|---|
| 1 | Farm Power Laboratory | Cut models - Diesel engine (single cylinder), Tractor differential, Tractor steering, Rear axle assembly, Hydraulic brake, Master cylinder, Ignition system, Self starter, Distributor, Ignition Coil, Magneto, Synchromesh gear box, Constant mesh gear box, Steering gear box, diaphragm clutch system, multi plates clutch, Four wheel brake, cone clutch, mechanical brake system. LED Panels - Fuel injection system, Lubrication system, Gear box 8+2, Hydraulic system., Tractor cut section without wheel assemblies, etc. |
| 2 | Farm Machinery Laboratory | Knapsack sprayer, Hand compression sprayer, Mist blower, Hand operated castor thresher, Groundnut pod stripper, Axial flow thresher, Paddy reaper, Maize Sheller, Power Sprayer, Sub-soiler, Paddy thresher, ULV Sprayer, Post hole digger, 9 tyne cultivator (spring loaded), Boom sprayer, Disc plough, Battery operated cotton picker, Wheel type dibbler, Rotary mulcher, Groundnut digger shaker cum windrower, Mobile shredder, Foot operated sprayer, Rocking sprayer, Bucket scraper, Multi crop thresher (Electric motor operated), Rotavator, Rice transplanter (Riding type), Rice transplanter (walking type), Nursery raising machine, Seed cum fertilizer drill automatic, Reversible M.B. Plough, Rotary plough, Spider weeder, Multi crop ridge planter, Rotary slasher, Laser land leveler, Self propelled high clearance sprayer, Combine harvester (self propelled), Combine harvester (tractor mounted), Rigid tyne cultivator, John Deere 4 WD tractor along with hoe and bucket attachments, Mahindra 40 H.P, Escorts tractor, V.S.T Mini tractor, Power tiller |
| 3 | Advanced Workshop | Lathe machines with all accessories and attachments, Spot welding machine (pedestal type), Welding Machine with transformer (600 AMPS air cooled) and accessories, Wooden work table (3' X 8'), Bench grinder ½ HP, Lathe machines, Wood turning lathe, Shaper machine (18"), Air compressor, Iron cutting machine (14"), Hydraulic press, Shearing machine, Hydraulic hack saw machine with 2 hp motor, Hydraulic pipe bending machine, Stand drilling machine ½", Pipe bending machine ( ½" to ¼"), Hand drilling machine (6 mm), Universal milling machine, Radial drilling machine 1" capacity, Heavy |

| | | |
|---|---|---|
| | | duty sheet bending machine (4'), CNC Lathe machine, CNC Milling machine, etc. |
| 4 | Soil Dynamics Laboratory | Rectangular and circular soil bins, Force analysis instrumentation, S Type load cells (1 ton and 3 ton capacity), Digital force gauge, Digital and analogue tachometers, Cone penetrometer, Strain gauge (canti-lever type), Universal load cell (750 kg), Digital transducer indicator suitable for AG make universal load cell, Variable frequency drive motor (1.5 kW), etc. |
| 5 | Ergonomics Laboratory | Motorized treadmill, Digital heart rate monitor, Digital pulse monitor with finger sensor cable, Dual digital thermometer with core/skin temperature process, Electromyography unit, Ergo meter cycle, Bourdon tube pressure gauge (digital), , Speed measurement trainer, Torque cell transducer (10 kg), Strain measurement trainer (1 kg), Digital sound level meter, Digital vibration meter, etc. |



**CNC Lathe, CNC Milling Machine**



**Rectangular Soil Bin**

**Department of Processing and Food Engineering**

| Sl. No. | Name of the laboratory | Name of the Important Equipment/Instruments |
|---|---|---|
| 1 | Instrumentation Laboratory | Unibloc moisture analyzer, Brookfield digital viscometer, PC based double beam UV-visible spectrophotometer, Freeze dryer, Electronic balance, pH meter, Digital LCD food thermometer, etc. |
| 2 | Process Engineering Laboratory | Refrigerated centrifuge, Tablet making machine, Water bath incubator shaker, Vacuum filtration assembly with a vacuum pump, Vacuum oven, Digital bomb calorimeter, Oscilloscope, Function generator,Digital LCR meter, etc. |
| 3 | Food Analysis Laboratory | Automatic nitrogen protein estimation system, Hollow fiber ultra-filtration membrane set, Automatic PC compatible solvent extraction system, Clevenger |

| | | |
|---|---|---|
| | | apparatus of oil heavier, oil lighter withheating mantles and voltage stabilizer, etc. |
| 4 | Food Microbiology Laboratory | B.O.D. incubator, Laminar flow, chamber, Deep freeze up to -40 ℃, etc. |
| 5 | Environmental Control Laboratory | Environment chamber, etc. |



**Freeze Dryer**



**Brookfield Digital Viscometer**

**Department of Soil and Water Engineering**

| Sl. No. | Name of the laboratory | Name of the Important Equipment/Instruments |
|---|---|---|
| 1 | Field Irrigation Lab | Well irrigation system, Fields with drip irrigation system, Fertigation equipment, Soil moisture measuring devices, Water meter, Current meter, Mole plough, Power weeder, Rain gauges, Evaporimeter, Automatic weather station, Hydraulic flume, Soil augers, Hot air oven, etc. |
| 2 | Well and Pumps Laboratory | Cut models of different pumps, Different impellers, Pumps, Motors, Solar pumping system, etc, |
| 3 | Watershed | Watershed model, Farm pond, Soil and water conservation structures, etc. |
| 4 | Soil and Water Conservation Engineering Lab | Double ring infiltrometer, Soil moisture measuring devices, Parshall flumes, RBC flumes, Total station, GPS, Electronic theodolite, etc. |





**Digital Water Level Recorder** **Total Station**

### 6.5.6.2 Research Contingency

ANGRAU is in its budget allocation, PG research contingency fund is allocated annually to support the M.Tech. and Ph.D. students in three PG departments, namely, Departments of Farm Machinery and Power Engineering (FMPE), Processing and Food Engineering (PFE), Soil and Water Engineering (SWE).

**Department-wise Research Grant during Last Five Years**

| Year | FMPE | PFE | SWE |
|---|---|---|---|
| 2015-16 | 5,33,000 | 5,33,000 | 5,33,000 |
| 2016-17 | 7,17,000 | 7,45,000 | 7,47,000 |
| 2017-18 | 5,85,000 | 5,95,000 | 6,85,000 |
| 2018-19 | 6,50,000 | 6,50,000 | 6,50,000 |
| 2019-20 | 5,00,000 | 5,00,000 | 5,00,000 |

## 6.5.7 Outcome/Output

### 6.5.7.1 Student Performance in National Examinations

**Students Performance in National Examinations and Placements**

| Year | GATE | ICAR (JRF) | NET | Placement |
|---|---|---|---|---|
| 2015-16 | 12 | 4 | 5 | 32 |
| 2016-17 | 16 | 6 | 14 | 25 |
| 2017-18 | 9 | 3 | 8 | 34 |
| 2018-19 | 13 | 12 | 6 | 32 |
| 2019-20 | 11 | 4 | 4 | 2 (Covid-19) |

### 6.5.7.2 Students Placement Profile

Very good number of industries and organizations visit Dr NTR College of Agricultural Engineering, Bapatla and conduct personal interviews and group discussions with in the campus and/or in different cities to recruit our students.

During 2019-20, two students got placement in M/s Mahindra & Mahindra Tractors, Hyderabad. Rest of the campus placement interviews were not held due to Covid-19 situation prevailing still.

**Student Placements during Last Five Years**

| Sl. No. | Organization | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---|---|---|---|---|---|---|---|
| 1 | Mahindra & Mahindra Tractors, Hyderabad | 2 | | | 2 | 3 | 2 |
| 2 | Sonalika International Tractor limited | 10 | 6 | 6 | | | |
| 3 | Crystal Protection Pvt. Ltd, Delhi | 1 | | | | | |
| 4 | ITC, Guntur | 1 | | | | | |
| 5 | Syngetna, Secunderabad | 2 | | | | | |
| 6 | Texmo Pumps, Tamil Nadu | | 9 | | | | |
| 7 | TAFE, Chennai | | 2 | | | | 5 |
| 8 | Jain Irrigation Systems Ltd, Hyderabad | | 4 | 18 | 6 | 8 | |
| 9 | Dept. of Horticulture, Hyderabad | | | 9 | | | |
| 10 | BERI Udyog Pvt. Ltd | | | 2 | | | |
| 11 | Escorts Crop Solutions, Hyderabad | | | | 8 | | |
| 12 | Khedut Agro Pvt. Ltd, Chennai | | | | 2 | | |
| 13 | APMIP, Nellore | | | | 2 | | |
| 14 | Harvel Agua India Pvt. Ltd | | | | 1 | | |
| 15 | Yanmar Coromandel Pvt. Ltd, Chennai | | | | 2 | | |
| 16 | Dhan Foundation, Madurai | | | | 5 | | 10 |
| 17 | National Farming | | | | 4 | 12 | |
| 18 | Landscape Irrigation, Hyderabad | | | | 2 | | |
| 19 | Horticultural Engineer, Hyderabad | | | | 1 | | |
| 20 | Teaching Associates | | | | | 3 | |
| 21 | Mahindra & Mahindra - Swaraj Division | | | | | | 4 |
| 22 | Sujay Irrigation Pvt. Ltd, Bangalore | | | | | | 5 |
| 23 | Sundaram finance Pvt. Ltd | | | | | | 4 |
| 24 | Shaktiman Agro Pvt. Ltd | | | | | | 2 |
| 25 | E-Commerce Pvt. Ltd, Hyderabad | | | | | | 2 |
| | **Total** | **16** | **21** | **35** | **35** | **26** | **34** |

### 6.5.7.3 Awards/Recognitions/Certificates

**Awards and Honors of the Faculty during Last Five Years**

| Sl. No. | Name | Awards and Honors |
|---|---|---|
| 1 | Dr D. Bhaskara Rao | • **Ugadi Puraskaralu Award - 2018** |
| 2 | Dr B.V.S. Prasad | • **Certificate of Reviewing Award** of the "LWT-Food Science and Technology", England since July, **2020**<br>• **Certificate of Reviewing Award** of the "Journal of Food Engineering", England since June, 2020<br>• **Certificate of Reviewing Award** of the "Journal of Food Science", USA during **2019**<br>• **Best Research Paper Award** for the paper **Venkata S.P. Bitra**, N. Anusha, M. Ravi Naik and S. Sudheer Kumar. **2018**. Digital Image Processing for Color Measurement during Ripening of Banana and Guava. Paper No. FP-16. Paper presented during National Conference on "Digital and Engineering Technologies |

| | | |
|---|---|---|
| | | for Precision Agriculture and Value Addition" held during 26-27 February, 2018 at College of Agricultural Engineering, ANGRAU, Bapatla, A.P.<br>• **State Best Teacher Award** at University Level of Andhra Pradesh, India during **2017**<br>• **Certificate of Outstanding Contribution in Reviewing Award** of the Journal "LWT-Food Science and Technology", England during May, **2018**<br>• **Certificate of Outstanding Contribution in Reviewing Award** of the "Journal of Food Engineering", England during April, **2018**<br>• **Certificate of Reviewing Award** of the Journal "Biomass & Bioenergy", England since March, **2018**<br>• **Certificate of Outstanding Contribution in Reviewing Award** of the Journal "Industrial Crops and Products", The Netherlands during April, **2017**<br>• **Certificate of Reviewing Award** of the Journal "Industrial Crops and Products", The Netherlands since March, **2017** |
| 3 | Dr A. Mani | • **State Best Teacher Award** at University Level of Andhra Pradesh, India during **2018** |
| 4 | Dr M. Madhava | • **Best Paper Award** for the research paper "Optimization of process parameters for production of palmyrah palm jiggery" in ISAE Annual Convention **2015** |
| 5 | Dr B. Hari Babu | • **Meritorious Teacher Award** in the Faculty of Agricultural Engg.& Technology, ANGRAU for the year 2012 received during **2015**<br>• **Best Paper Award** for the research paper on **"**Determination of Stiffness and Damping coefficient of Tractor Front tyres in Non-Rolling Conditions" published in International Journal of Agricultural Science and Research **2016** |
| 6 | Dr K. Krupavathi | • **Teaching Excellence Award** by Society of Scientific Development in Agriculture and Technology in ICAAS-**2016** National Seminar |

**Awards and Honors of the Students during Last Five Years**

| | | | |
|---|---|---|---|
| K.Susmitha | Solo Folk Dance | Participation | **All India Inter Agricultural Universities Youth Festival, SDAU, Sardarkrishi Nagar, Gujarat (03-02-2019 to 07-02-2019)** |

## 6.5.7.4 Employability

B.Tech. (Agricultural Engineering) students are well trained academically both in theory and practical aspects to coup up with the challenges to be faced in their future in the agricultural engineering profession. These students are also trained outside the campus while they are undergoing SRDY 281 (Skill Development Training - I), SRDY 381 (Skill Development Training - II ) and SRDY 481 (Industrial Attachment/Internship) courses. SRDY 482 (Experiential Learning) course brings out their experiential skills, which in turn help them to establish their startups. SRDY 483 (Educational Tour) course is helpful in imparting organizational skills to the students along with acquaintance with different organizations and institutes. SRDY 484 (Project Work and Report Writing) course gives the research experience which is a first step for students in pursuing higher studies in India and abroad and also in their profession career. Moreover, several personality development and yoga classes are being held within the campus to improve their overall skills. Regular NSS programmes help them in inculcating good habits to become successful human beings in their career opportunities. Weekly Advisory Classes are the added advantage to the curriculum for keeping track of the students in guiding and advising meticulously for strengthening their goal setting.

**List of Guest Lectures Organized during last Five Years**

| Name of the Expert | Topic | Date |
|---|---|---|
| **2014-15** | | |
| Dr Md. Khalid Khan<br>Dean, College of Agricultural Engineering & Technology, OUAT, Bhubaneswar | Heat Pump Drying of Agricultural Products | 03-12-2014 |
| Dr P. Balakrishnan,<br>Dean of Agricultural Engineering, UAS, Raichur | Drainage Studies in Karnataka | 02-01-2015 |
| Dr B. Maheswara Babu<br>Associate Professor,<br>Department of Soil and Water Engineering, CAE, Raichur | Hydrological Investigation on Watershed Characteristics | 22-01-2015 |
| Dr D.C. Joshi<br>Food Product Technology,<br>Anand Agricultural University, Gujarat | 1. Emerging Areas of Agro-Processing and Value Addition and Novel Technologies for Food Processing<br>2. Advances in Non-Thermal Process for Food Products and New Opportunities for Mechanization of Agro-Processing Operations | 24-01-2015 |
| Er N. Polappa<br>Project Director, DWMA,<br>Prakasam (Dist) | Role of Agril. Engineers in Watershed Management | 27-02-2015 |
| Er R.V.V. Naga Murali<br>Assistant Project Director,<br>APMIP, Prakasam (Dist) | Advance in Micro Irrigation systems | 27-02-2015 |

| | | |
|---|---|---|
| Dr R. Viswanathan Professor (Agril. Processing), A D, Agricultural College & Research Institute, Tamil Nadu Agricultural University, Tirchirapalli (T.N.) | 1. Processing and Value Addition of Millets.<br>2. Managerial Skills for Entrepreneurship in Food Processing | 09-03-2015 |
| Dr K.V. Rao, Principal Scientist, CRIDA, Hyderabad | Dry land agriculture and Watershed studies | 17-03-2015 |
| Dr Y. Yella Reddy, WALAMTARI, Hyderabad | Water Management Issues | 17-03-2015 |
| Er Y. Chinna Krishna Assistant Executive Engineer, Office of Chief Engineer (I&CAD), Inter State Water Resources,Hyderabad | Latest Techniques used in command area development and role of Agril. Engineers in I& CAD department | 24-03-2015 |
| **2015-16** | | |
| Dr. Bhaskara Rao, Professor | Personality Development, Marketing skills and industrial trends for opting profession as Marketing Executives/Managers and Farm Mechanization – Past and Present trends and future needs including Tractor Industry | 11-12-2015 |
| Dr S.V. Kottiswaran, Professor & Principal Scientist (PFDC), TNAU, Coimbatore | Precision Farming Techniques | 18-12-2015 |
| Dr M. Suneel, Asst. Professor, Dept. of Electronics and Communication Engineering, Bapatla Engineering College, Bapatla | Electronics Measurements and Instrumentation | 19-2-2016 |
| DrV. Thirupathi, Professor, Dept. of Food and Agril. Process Engineering, TNAU, Coimbatore | 1. Post Harvest Engineering of Spices<br>2. HACCP for Food Industries | 22-2-2016 & 23-2-2016 |
| Dr H.P. Ritzema, International Drainage Specialist,Wageningen University, The Netherlands | Drainage studies around the world Irrigation water use | 23-2-2016 |
| Dr N. Uday Kumar, Professor & Head, Dept. of Processing and Food Engg., CAE, UAS, Raichur | 1. Advances in Active Packaging Technology<br>2. Super Critical Fluid Extraction of Bioactive Compounds from Medicinal and Aromatic Plants | 25-2-2016 & 26-2-2016 |
| M/s ATAGO INDIA INSTRUMENTS PVT. LTD., Hyderabad | Demonstration of Multipurpose refractometer (RX-5000i) to the PG students | 26-2-2016 |
| Dr K.V.G.K. Rao, Professor, Civil Engg. Department, PVP Siddhardha Institute of Technology, Vijayawada | Surface irrigation water resources in A.P. | 27-2-2016 |
| **2016-17** | | |

| | | |
|---|---|---|
| Dr M. Nemi Chandrappa<br>Professor, Dept. of Soil and Water Engineering, CAE, Raichur | Rain water harvesting and recycling for efficient use in watershed area | 2-9-2016 |
| Dr Devand Maski, Asst. Professor, Dept. of FMP, CAE, Raichur | Management of Biomass in farmers fields | 2-9-2016 |
| Dr S. Manivannan<br>Principal Scientist (SWCE), Central Soil and Water Conservation Research and Training Institute, Ooty, Tamilnadu | Updated soil and water conservation technological options for watershed management and Climate change impact and mitigation strategies | 3-2-2017 |
| Dr V. Thirupathi<br>Professor, Agril. Engineering College & Research Institute, TNAU, Coimbatore | Post Harvest Technology of Spices | 21-2-2017 |
| Dr D. K. Singh<br>Professor<br>Dept. of Agricultural Engineering, IARI, New Delhi | Role Simulation models in irrigation, drainage and water resources management | 2-3-2017 |
| Dr A. Sarangi<br>Principal Scientist<br>Water Technology Centre, New Delhi | Introduction to Hydrus | 2-3-2017 |
| Dr D. K. Singh<br>Professor<br>Dept. of Agricultural Engineering, IARI, New Delhi | Simulation of water and nutrient movement using Hydrus | 3-3-2017 |
| Dr A. Sarangi<br>Principal Scientist, Water Technology Centre, New Delhi | Analysis of Hydrus outputs | 3-3-2017 |
| Dr D. K. Singh<br>Professor<br>Dept. of Agricultural Engineering, IARI, New Delhi | Simulation of groundwater water flow using mudflow | 4-3-2017 |
| Dr A. Sarangi<br>Principal Scientist, Water Technology Centre, New Delhi | Introduction to DSSAT | 4-3-2017 |
| Dr I. Muthuchamy, Dean<br>Agricultural Engineering College and Research Institute, Kumuluru, Tamilnadu | Rainwater harvesting structures and Watershed management | 6-3-2017 |
| Dr B. Maheswara Babu<br>Professor,<br>Dept. of Soil and Water Conservation Engineering, UAS, Raichur | Use to Topo-sheets in Watershed Management and<br>Application of plastics in Agriculture | 7-3-2017 |
| Dr B. Maheswara Babu | Plastic applications in Agriculture and use | 8-3-2017 |

| | | |
|---|---|---|
| Professor, UAS, Raichur, Karnataka | of toposheets in RS and GIS | |
| Dr G.R.K. Murthy<br>Principal Scientist, NAARM, Hyderabad | 1. Agricultural Engineering Way Forward<br>2. Technology Enhanced learning in Agricultural Engineering Education | 8-3-2017<br>&<br>9-3-2017 |
| Er N. Polappa<br>Project Director, DWMA, Prakasam (Dist) | Soil and Water Conservation Structures in Watershed Management | 10-3-2017 |
| Er R.V.V. Naga Murali<br>Assistant Project Director, APMIP, Prakasam (Dist) | Design and Estimation of Drip System-Case Studies | 10-3-2017 |
| Dr P. Srinivasa Rao<br>Associate Professor, Dept. of Agricultural and Food Engineering, IIT, Kharagpur | Extrusion Cooking | 31-3-2017 |
| | **2017-18** | |
| Dr T. K. Goswami, Professor IIT, Kharagpur | Advances in Food Processing | 10-7-2017 |
| Dr Abdul Hakkim, Head of Land Water Resources department, College of Agril. Engg., Kerala Agril. University | Precision farming | 7-8-2017 |
| Dr V.M. Duraisamy, Professor (Farm Power & Machinery), AMRC, AEC&RI, TNAU, Coimbatore | Advances in Farm Machinery and Scope for higher studies | 22-9-2017 |
| Dr B. Krishna Rao, Principal Scientist (SWE), CRIDA, Hyderabad | Planning, Design and Installation of watershed treatment technologies for sustainable agriculture in rain fed areas | 29-11-2017 |
| Dr R. Veera Raghavaiah,<br>Dean of PG Studies ANGRAU | World Soil Day | 5-12-2017 |
| Dr N.V.S.S. Giridhar, Professor, Central of Water resources, JNTU, Hyderabad | Design of rain water harvesting structures" & Explanation of ground water resources | 9-3-2018 |
| Er N. Murali, DEE, Dept. of Water Reason Drainage Division, Chirala | Design of various irrigation structures | 14-3-2018 |
| Dr V.V. Basava Rao<br>Professor<br>Dept. of Chemical Technology<br>Osmania University,Hyderabad | 1. Fluidized bed combustion of agricultural waste<br>2. Computational fluid dynamics of fluidized grain beds | 08-03-2018<br>&<br>09-03-2018 |
| Dr A. Sirisha, Associate Professor, Dept. of Agril Engg., Vignan University, Vadlamudi | Modelling on design and evaluation of surface irrigation systems | 12-3-2018 |
| Dr K. Rama Krishna<br>JNTU, Kakinada | 1. Tea processing<br>2. Quality analysis of foods | 12-03-2018<br>13-03-2018 |
| Dr Ch. Ramesh, Professor & Head, Dept. of Instrumentations & Electronics, BEC, Bapatla | Development of moisture sensors for efficient use of irrigation water | 15-3-2018 |

| | | |
|---|---|---|
| Dr K.V.G.K. Rao, Professor & Head, Dept. of Civil Engg., PP Siddhartha Institute of Technology, Vijayawada | Drainage Technologies in India" & "Studies on water management aspects in Andhra Pradesh | 17-3-2018 |
| Sri P. Syam Kumar<br>Assistant Professor<br>IDRBT, Hyderabad | 1. Data Acquisition and Processing<br>2. Electronic Sensors Analysis in Food Processing | 22-03-2018<br>&<br>23-03-2018 |
| Sri K. Sambasiva Rao<br>Associate Professor<br>Bapatla Engineering College, Bapatla | 1. Technology of Sensors in Food Processing<br>2. Control Systems in Food Processing | 26-03-2018<br>&<br>27-03-2018 |
| **2018-19** | | |
| Dr V. Palanimuthu, Professor & Head, AICRP on PHT University of Agril. Sciences, GKVK Campus, Bangalore | 1. Advances in post harvest processing of cereals and pulses<br>2.Advances in post harvest handling of fruits and vegetables | 19-6-2018 |
| Sri P. Syam Kumar, Assistant Professor, IDRBT, Hyderabad | Data acquisition and processing and electronic sensors analysis in food processing | 20-7-2018 |
| Dr C. Gopala Rao, Professor (Retd.), Hyderabad | 1.Intelligent Packaging Concepts<br>2.Time Temperature Indications for Marketing of Food Products | 6-12-2018 |
| Dr R. K. Nema, Dean, College of Agril. Engineering, JNKVV, Jabalpur | 1.Advances in Watershed Modelling Groundwater Modelling for Water Resources Planning<br>2.Applications of Remote Sensing and GIS in Water Resources Management | 13-12-2018 |
| Dr T. Senthil Kumar, Principal Scientist (FMP), In-charge, Farm Machinery Testing Centre, ICAR-Central Institute of Agricultural Engineering Regional centre, Coimbatore | 1.Present status, Challenges and strategies of Farm Mechanization in India<br>2.Promotion of custom hiring centres for entrepreneurship development on farm Mechanization<br>3.Operation and maintenance of agricultural machinery | 13-12-2018 |
| Dr Satyanarayana Reddy, Managing Director, Infinity Green Farms, Hyderabad | Profitable farming using Hydroponics, Aeroponics and Aquaponics | 19-02-2020 |

Training and Placement cell at Dr NTR College of Agricultural Engineering, Bapatla is organizing trainings and other professional development activities to the students as a part of capacity building on regular basis to make them employable as per the job requirements. The overall skills of the students of the college are developed through multifaceted activities along with the course curriculum. These activities include participation of students in the technical contests, project/prototype development competitions etc. organized by various educational institutions and industrial organizations. Practical exposure is given to the students through

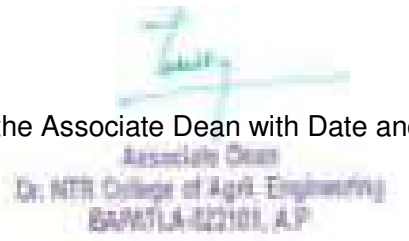
industrial visit and educational tours. Regular interactions/guest lectures are also being organized by the experts from the industry, leading organizations in public and private sectors. Various personality development trainings and classes are being conducted to the students for improving their communication skills, body language required to face campus interviews.

### 6.5.8 SSR of the College

Self study report of the Dr N.T.R. College of Agricultural Engineering, Bapatla is here with submitted.

### 6.5.9 Certificate

I, the Associate Dean of the Dr NTR College of Agricultural Engineering, Bapatla, Andhra Pradesh hereby certify that the information contained in Sections 6.4 and 6.5.1 to 6.5.7.4 are furnished as per the records available in the college and degree awarding university.

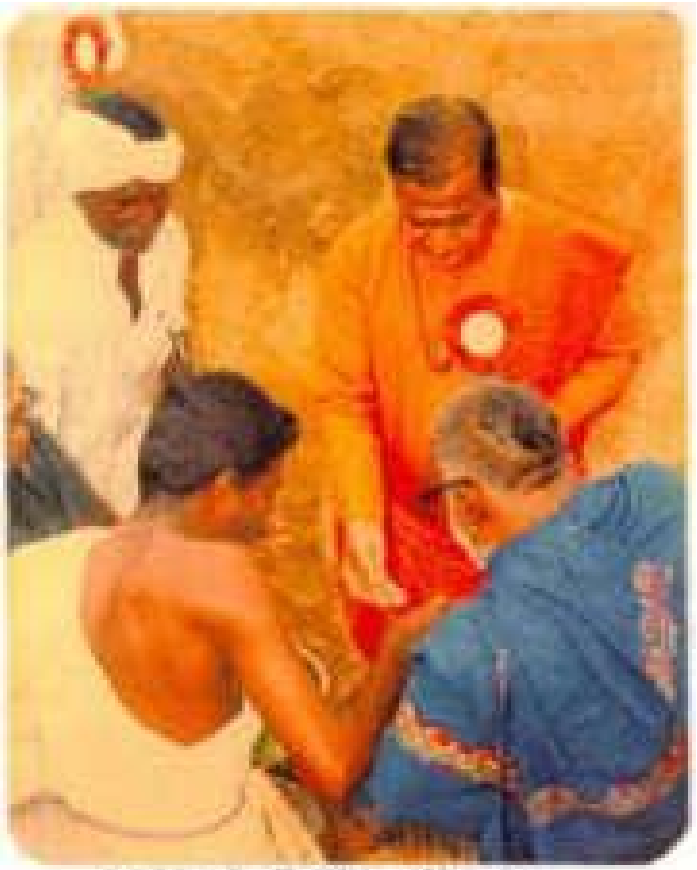



Signature of the Associate Dean with Date and Seal

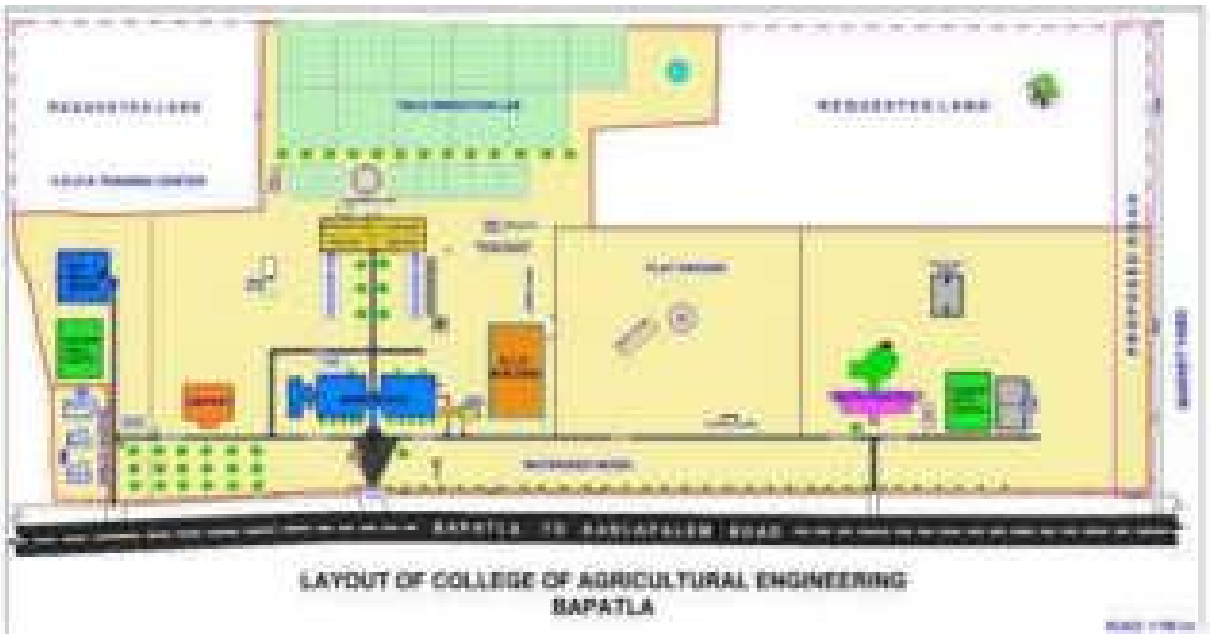
# SELF STUDY REPORT FOR ACCREDITATION OF PROGRAMME
# B.Tech. (Agricultural Engineering)
# Dr NTR College of Agricultural Engineering, Bapatla

## 6.4.1 Brief History of the Degree Programme

B.Tech. (Agricultural Engineering) undergraduate (UG) degree programme was started in August, 1983 with a intake of 20 students in the Department of Agricultural Engineering, Agricultural College, Bapatla. From the next year onwards, the seats were increased to 30. The UG programme was upgraded as he College of Agricultural Engineering (CAE), Bapatla in 1990 based on the recommendations of a high level committee appointed by the Government of Andhra Pradesh. It is the first college of agricultural engineering in Acharya N.G. Ranga Agricultural University. It was started with the aim of imparting knowledge and skills to the students in the disciplines of agricultural engineering education to serve the farming community and the rural people of the combined state of Andhra Pradesh and to make agriculture more remunerative to the farmers by bringing in the engineering interventions in agriculture. The College was shifted to its new premises in May, 1994. Since then, the College expanded rapidly both academically and physically. Many infrastructural facilities were added in terms of buildings and equipment for improving the academic status in agricultural engineering. The College celebrated its Silver Jubilee in the year 2008 during which a silver jubilee building was constructed for a spacious digital library, book library and two classrooms. This college was accredited by Indian Council of Agricultural Research, New Delhi during 1999-2000 in the first phase itself based on ICAR's Review Team Report and during the subsequent phases also. The latest accreditation of ICAR for this College was in 2014-2015. The College was under the faculty of Agriculture until 2010 when a new Faculty of Agricultural Engineering and Technology was established by the University as per the provisions of the University Act. The College was renamed as Dr N.T.R. College of Agricultural Engineering (Dr NTRCAE) in the year 2018 in memory of Late Dr N.T. Rama Rao the then Chief Minister of combined Andhra Pradesh and who was the person laid foundation stone for the College building on 24-02-1988. Today, Dr NTRCAE is widely recognized for its quality education; need based research and transfer of technology in service of farming community.



Dr. N. T. Rama Rao, Chief Minister of A.P laying the foundation stone of the College Building on 28.2.1983



**Andhra Pradesh Government Order for Establishing College of Agricultural Engineering, Bapatla**



**Andhra Pradesh Government Order for Renaming of College of Agricultural Engineering, Bapatla to Dr NTR College of Agricultural Engineering, Bapatla**

GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Agriculture & Cooperation Department - Renaming of the College of Agricultural Engineering, Bapatla and College of Food Science & Technology, Bapatla as Dr. Nandamuri Taraka Rama Rao College of Agricultural Engineering, Bapatla and Dr. Nandamuri Taraka Rama Rao College of Food Science & Technology, Bapatla-Orders-Issued.

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AGRICULTURE & COOPERATION (AGRI.III) DEPARTMENT

G.O.MS.No. 116 Dated: 10-10-2018
Read:

From the Registrar, ANGRAU, Lr.No.1189/AE&T/2018, dated:02.07.2018.

****

ORDER:

In the reference read above, the Registrar, Acharya N.G.Ranga Agricultural University has reported that Sri A. Satish Prabhakar, MLC, Bapatla and some of the farmers of different Villages in Bapatla (Mandal), Guntur (District) have represented the University, for renaming of the College of Agricultural Engineering, Bapatla as Dr. Nandamuri Taraka Rama Rao College of Agricultural Engineering, Bapatla and College of Food Science & Technology, Bapatla as Dr. Nandamuri Taraka Rama Rao College of Food Science & Technology, Bapatla, in the honor of the late legendry statesman of State of Andhra Pradesh, Dr. Nandamuri Taraka Rama Rao, the then Chief Minister of Andhra Pradesh, since he has inaugurated the College Home Science (Presently College of Food Science & Technology) on 24.02.1988 and laid down the foundation stone for the building of College of Agricultural Engineering, Bapatla on the same date.

2. The Registrar, ANGRAU has further reported that, the Board of Management of ANGRAU, during the 285th meeting held on 26.05.2018 at RARS, Chintapalle has resolved to approve the above proposal and advised the University to get concurrence of the Government of Andhra Pradesh.

3. The Registrar, ANGRAU has therefore requested the Government to permit the University to rename the College of Agricultural Engineering, Bapatla as Dr. Nandamuri Taraka Rama Rao College of Agricultural Engineering, Bapatla and College of Food Science & Technology Bapatla as Dr. Nandamuri Taraka Rama Rao College of Food Science & Technology, Bapatla, based on the resolution taken by the Board of Management of ANGRAU.

(P.T.O.)

4. Government after careful examination of the matter, hereby permit the ANGRAU to rename the College of Agricultural Engineering, Bapatla as Dr. Nandamuri Taraka Rama Rao College of Agricultural Engineering, Bapatla and College of Food Science & Technology Bapatla as Dr. Nandamuri Taraka Rama Rao College of Food Science & Technology, Bapatla, as resolved by the Board of Management of ANGRAU.

5. The Registrar, ANGRAU, Guntur shall take further necessary action in the matter, accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

B.RAJSEKHAR
SPECIAL CHIEF SECRETARY TO GOVERNMENT (FAC)

To
The Registrar, ANGRAU, LAM, Guntur.
Copy to:
The Vice-Chancellor, ANGRAU, Guntur.
The College of Agricultural Engineer, Bapatla
through the Registrar, ANGRAU.
The College of Food Science and Technology, Bapatla
through the Registrar, ANGRAU.
P.S. to Special Chief Secretary to Hon'ble Chief Minister.
P.S.to Minister for Agriculture.
P.S.to Special Chief Secretary to Government,
Agriculture & Cooperation Department.
Sc

//FORWARDED : : BY ORDER//

SECTION OFFICER

# Andhra Pradesh Government Order for Sanction of 9 Additional Posts to Dr NTRCollege of Agricultural Engineering, Bapatla

**GOVERNMENT OF ANDHRA PRADESH**

ABSTRACT

Agriculture Department –Acharya N.G.Ranga Agricultural University - Sanction of nine (9) additional teaching faculty posts to College of Agricultural Engineering, Bapatla – Orders - Issued.

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AGRICULTURE & COOPERATION (AGRI.M) DEPARTMENT

G.O.MS.No. 80 Dated: 19-03-2019

Read:-

From the Registrar, ANGRAU, Lr.No.6887/AB&T/2017, Dt.19.04.2017.

****

**ORDER:**

In the reference read above, the Registrar, Acharya N.G.Ranga Agricultural University (ANGRAU) has reported that, the College of Agricultural Engineering (CAE), Bapatla is functioning under ANGRAU and stands as a Pioneer College in Agricultural Engineering programme. The College is offering the courses of B.Tech (Agricultural Engineering), M.Tech (Agricultural Engineering) and Ph.D courses and contributing to the development of Agriculture in the State of Andhra Pradesh in various aspects in the area of Farm Mechanization, Irrigation and Water Management as well as Agro Processing by value addition to Agriculture and allied sectors.

2. The Registrar, ANGRAU has further reported that, the College of Agricultural Engineering (CAE), Bapatla is presently running with only 15 (Fifteen) teaching posts and 7 (Seven) borrowed posts, shouldering heavy burden on the existing staff to place the college as a pioneer institute of academic excellence. As per requirement of 'V Deans Committee, the minimum faculty required to offer B.Tech (Agricultural Engineering) programme is 45.

3. The Registrar, ANGRAU has therefore, requested the Government to sanction the following additional teaching posts to the College of Agricultural Engineering, Bapatla, for training of the man power in Agriculture to support its cause of bringing engineering intervention like Farm Mechanization, Irrigation and Value addition processing in to agriculture for sustainability and profitability and the budget will be met from the annual block grant to the University.

| S. No. | Category | Required Posts |
|---|---|---|
| 1 | Associate Dean | 1 |
| 2 | Professor | 5 |
| 3 | Associate Professor | 9 |
| 4 | Assistant Professor | 7 |
| | Total | 30 |

4. The Government after careful examination of the matter, hereby accord sanction for the following additional (9) teaching faculty posts in the College of Agricultural Engineering, Bapatla, subject to meeting the expenditure from the annual block grant of ANGRAU only.

| S. No. | Name of the Post | No. of additional posts sanctioned |
|---|---|---|
| 1 | Associate Dean | 1 |
| 2 | Professor | 4 |
| 3 | Associate Professor | 2 |
| 4 | Assistant Professor | 2 |
| | Total | 9 |

5. The Registrar, ANGRAU shall take further necessary action to fill the additional posts sanctioned above as per service rules and recruitment procedure in vogue.

6. This orders issues with the concurrence of the Finance Department vide their U.O.No. Fin.(J.O.Ns/FIN-EXP(J/21/2017-EXPR-II), Dated:18.02.2019.

**(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)**

**B.RAJESHWAR**
**PRINCIPAL SECRETARY TO GOVERNMENT**

To
The Registrar, ANGRAU, Lam, Guntur.

(P.T.O)



The courses being offered are based on ICAR's V Deans' Committee recommended syllabus to gear up towards equipping the students to meet the challenges that are being faced by the agricultural sector. The College has state-of-the-art infrastructure and facilities and the academic environment which combines academic rigor with high level of interaction with government departments in serving the farming community of the nation in general and the present state of Andhra Pradesh after bifurcation in particular. The driving force behind the high level of academic excellence and quality education is the dedicated team of over twenty core faculty drawn from different specializations.

B.Tech. (Agricultural Engineering) degree programme is supported by 6 departments as follows:

A. Farm Machinery and Power Engineering
B. Processing and Food Engineering
C. Irrigation and Drainage Engineering
D. Soil and Water Conservation Engineering
E. Renewable Energy Engineering
F. Basic Engineering and Applied Sciences

Number of the students completed graduation from the College so far: 1046

The College is strategically located at Bapatla, Guntur District, Andhra Pradesh very nearer to National Highway 214A and Vijayawada-Chennai main railway line and is well connected by rail and roads. The lush green campus is spread over 25 ac with good infrastructure.

## VISION

To make Dr NTR College of Agricultural Engineering, Bapatla an integrated center for academic excellence of agricultural engineering education known for its contribution to agriculture and allied fields in making agriculture more remunerative to farmers

**MISSION**

To serve the farming community and enhance their quality of life through excellence in education, research, development and transfer of agricultural technologies

## 6.4.2 Faculty Strength

College is having a sanctioned strength of 26 at present. There are 6 additional posts deployed from College of Agricultural Engineering, Madakasira and College of Food Science and Technology, Pulivendula (not shown in Table). Apart from 17 filled in posts of the College, there are 4 Teaching Associates working in the College and 1 Scientist of AICRP on FIM to cater the needs of the academic requirement.

**Sanctioned and In-Position Faculty at Dr NTR CAE, Bapatla**

| Sl. No. | Position | Sanctioned Faculty | Faculty in Place | Vacant Positions | Faculty Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Associate Dean | 1 | 1 | 0 | 1 |
| 2 | Professor | 5 | 4 | 1 | 7 |
| 3 | Associate Professor | 7 | 2 | 5 | 13 |
| 4 | Assistant Professor | 13 | 10 | 3 | 24 |
| | **Total** | **26** | **17** | **9** | **45** |

**Sanctioned and In-Position Faculty at Dr NTR CAE, Bapatla**

| Sl. No. | Department | Assistant Professor | | Associate Professor | | Professor | | Total | |
|---|---|---|---|---|---|---|---|---|---|
| | **Faculty / Department** | **SS** | **IP** | **SS** | **IP** | **SS** | **IP** | **SS** | **IP** |
| | | **10+1^+2 =13** | | **5+2= 7** | | **1+5 =6** | | **26** | **17** |
| 1 | Associate Dean | - | - | - | - | 1 | 1 | **1** | **1** |
| 2 | Farm Machinery and Power Engineering | 3 | 3 | 2 | 1 | 1 | - | **6** | **4** |
| 3 | Processing and Food Engineering | 3 | 3 | 2 | - | 1 | 1 | **6** | **4** |
| 4 | Irrigation and Drainage Engineering | 2 | 2 | 1 | - | 1 | 1 | **4** | **3** |
| 5 | Soil and Water Conservation Engineering | 2 | 2 | 1 | - | 1 | 1 | **4** | **3** |
| 6 | Renewable Energy Engineering | 1 | 1 | - | - | 1 | - | **2** | **1** |
| 7 | Basic Engineering and Applied Sciences | 2* | 1 | 1** | - | - | - | **3** | **1** |
| | Total number of posts | **13** | **12** | **7** | **1** | **6** | **4** | **26** | **17** |
| | ^ Asst. Professor Post of Agricultural College, Bapatla redeployed with stocks<br>*Assistant Professor in Electrical, Electronics & Instrumentation and Agronomy/Soil Sciences<br>** Associate Professor in Mathematics<br>SS - Sanctioned Strength<br>IP - In Position<br>Out of 9 vacant posts of faculty, 4 Teaching Associates (2 full-time and 2 part-time) are engaged. | | | | | | | | |

## 6.4.3 Technical and Supporting Staff

**Sanctioned and In-Position Office Staff at Dr NTRCAE, Bapatla**

| Sl. No. | Sanctioned Post / Category | Sanctioned Strength | In-Position | Vacant Positions | Office Staff Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Administrative Officer | 1 | 1 | - | 1 |
| 2 | Superintendent | 1* | 1 | - | 12 Clerks |
| 3 | Senior Assistant | 2 | 1 | 1 | |
| 4 | JACT | 2** | - | 2 | |
| 5 | Record Assistant | 1 | 1 | - | |
| 6 | Office Subordinate | 2 | 2 | - | |
| 7 | Watchman | 1 | 1 | - | |
| 8 | PA/Steno | - | - | - | 8 |
| 9 | Messenger/Peon | - | - | - | 8 |
| | **Total** | **10** | **7** | **3^** | **29** |

* The post was Re-deployed of Superintendent
** One post was Re-deployed of JACT (1 + 1 = 2)
^Out of 3 vacant positions of Office Staff, 2 posts are supported by out-sourcing employees.

**Sanctioned and In-Position Laboratory Staff at Dr NTRCAE, Bapatla**

| Sl. No. | Sanctioned Post / Category | Sanctioned Strength | In-Position | Vacant Positions | Laboratory Staff Recommended by ICAR |
|---|---|---|---|---|---|
| 1 | Workshop Supervisor | 1 | - | 1 | 27 Workshop Staff, Computer Operator, Driver, Technicians |
| 2 | Technician (Mech.Gr.I) | 3 | - | 3 | |
| 3 | Technician (Mech.Gr.II) | 2 | - | 2 | |
| 4 | Draughtsman Grade III | 1 | - | 1 | |
| 5 | Carpenter Grade II | 1 | - | 1 | |
| 6 | Welder | 1 | - | 1 | |
| 7 | Blacksmith | 1 | - | 1 | |
| 8 | Turner | 1 | - | 1 | |
| 9 | Driver | 1 | - | 1 | |
| 10 | Workshop Helper | 2 | - | 2 | |
| 11 | Luskar | 2 | - | 2 | |
| 12 | Laboratory Assistant | - | - | - | 14 |
| | **Total** | **16** | **0** | **16*** | **41** |

*Out of sixteen posts, thirteen posts of Laboratory Staff are filled with out-sourcing employees.

## 6.4.4 Classrooms and Laboratories

There are 4 dedicated classrooms with good lighting and ventilation being used for B.Tech. (Agricultural Engineering) degree programme for conducting theory classes. These classrooms are equipped with short-thro LCD projector, chalk board, furniture, etc. First, second and third year classrooms are converted into Smart Classrooms with audio systems, etc.



**LCD projector**



**Interactive board**



**Virtual class room**



**Class room**

Each department is having different laboratories to conduct the practical classes regularly. Each class is made into 2 batches (Batch A and Batch B) for the purpose of conducting practical separately. Accordingly, the class Time-Table is set.

Each department of the College is having dedicated laboratories. Department-wise distribution of laboratories is furnished here under:

A. Department of Farm Machinery and Power Engineering
1. Farm Power Laboratory
2. Farm Machinery Laboratory
3. Advanced Workshop
4. Soil Dynamics Laboratory
5. Ergonomics Laboratory

B. Processing and Food Engineering
1. Instrumentation Laboratory
2. Process Engineering Laboratory
3. Food Analysis Laboratory
4. Food Microbiology Laboratory
5. Environmental Control Laboratory

C. Irrigation and Drainage Engineering
1. Filed Irrigation Laboratory
2. Field Solar Pump Laboratory
3. Wells and Pumps Laboratory

D. Soil and Water Conservation Engineering
1. Watershed
2. Soil and Water Conservation Laboratory

E. Renewable Energy Engineering
1. Renewable Energy Laboratory

F. Basic Engineering and Applied Sciences
1. Workshop with equipment of all manufacturing processes
2. Thermodynamics Laboratory
3. Central Computer Center
4. Soil Mechanics Laboratory
5. Engineering Drawing Laboratory
6. Theory of Machines Laboratory
7. Strength of Materials Laboratory
8. Engineering Physics Laboratory
9. Applied Electronics Laboratory
10. Electrical Engineering Laboratory
11. Hydraulics and Fluid Mechanics Laboratory
12. Surveying and Leveling Laboratory



**Multi-crop Combine Harvester**



**Wear Testing Apparatus**



**Unibloc Moisture Analyzer**



**Hollow Fiber Ultra-Filtration**



**Soil Moisture Probe**




**Digital Planimeter**

## 6.4.5 Conduct of Practical and Hands-on Training

Practical classes are conducted in respective laboratories as per class Time-Table with the instruments, equipment, machinery, etc. available. B.Tech. (Agricultural Engineering) degree programme is supported by following hands-on training courses additionally:

1. SRDY 281 Skill Development Training - I (4 weeks)
2. SRDY 381 Skill Development Training - II (4 weeks)
3. SRDY 481 Industrial Attachment/Internship (10 weeks)
4. SRDY 482 Experiential Learning (10 weeks)
5. SRDY 483 Educational Tour (2 weeks)
6. SRDY 484 Project Work and Report Writing (20 weeks)

SRDY 281, SRDY 381 and SRDY 481 are organized in ICAR Research Institutes (CIPHET, Ludhiana; IIHR, Bangalore; CIAE, Bhopal;IISWC, Ooty, Bellary, Koraput, Kota, Vasad; NAARM, Hyderabad; CRIDA, Hyderabad; CTRI Regional Station, Kandukur; etc.), Central Government Organizations (CFMTTI, Budni; SFMTTI, Garladinne; NFMTTI, Hissar; NIPHM, Hyderabad; IIP, Hyderabad; CIPET, Vijayawada; IGSI, Hyderabad; IMD, Pune; NIH,

Roorkee and Kakinada; etc.), State Government Organizations (WALAMTARI., Hyderabad; APSAC, Vijayawada; AICRP on FIM, Hyderabad; Telangana Foods, Hyderabad; DWMA, Ongole etc.), industries (Global Green Group, Sadasivapet; Pioneer Seeds, Hyderabad; Srini Food Park Pvt. Ltd. Chittoor; Food Tropicals, Tirupati; Konark Frozen Foods, Vijayawada; Jaya Lakshmi Rice Mill, Bapatla; Karanam Technologies, Kakinada; Farm Implements (India) Pvt. Ltd, Chennai; ASPEE, Mumbai; TAFE Ltd, Chennai; Escorts, Faridabad; VST, Bangalore; Jain Irrigation Systems, Hyderabad; ITC, Guntur and Mysore; Kumar Pumps, Tenali; etc.), NGOs (WASSAN, Secunderabad; Dhan Foundation, Madurai and Punganur; Krushi Agri Development Training Centre under AC&BC, Kothagudem etc.), etc. for training in the application of latest technologies. After training, a presentation will be given by the students and viva-voce will be conducted by panel of experts. These trainings will help the students in placements in those organizations.

SRDY 482 is conducted in the College itself in various modules, namely, farm machinery (manufacturing of garden tools, groundnut stripper, monocycle weeder-cum-furrow cleaner, tractor components, tillage implements, weeder rakes, solar power operated sprayer, manual drawn cultivator, multipurpose manual drawn implements, manual drawn multipurpose cycle weeder),mushroom cultivation, leafy vegetables cultivation, cultivation of commercial and floricultural crops, development of manual fruit harvester, production of low-cost air cooler, ANGRAU possessed foods (*ragi* malt, *ragi* biscuits, sorghum *laddu*, oat cookies, mango Jam,etc.), survey on farm mechanization in Andhra Pradesh etc.

SRDY 483 is held for final year students and they cover most of the organizations in South India, namely, Indian Institute of Horticultural Research, Bangalore; University of Agricultural Sciences, Bangalore; IISWC, Ooty; TNAU, Coimbattore; CMFRI, Kochi; Kanan Devan Hills Plantations Company (P) Ltd., Munnar; CTCRI, Thiruvananthapuram; House of Kalam, Rameshwaram; IIFPT, Tanjavur; etc. After the students return back to College, they submit a detailed Tour Report to the College. Students are evaluated based on the Tour Report, seminar presentation and followed by Viva-Voce Examination in front of the Evaluation Committee.



**Students visiting ICAR-IISWC-RC, Ooty**

SRDY 484 is a research project in which each group of 4-5 students conduct experiments on various researchable topics and develop new items for the benefit of the farming community. Students will prepare a Project Report and present their work in front of the Evaluation Committee and, then, Viva-Voce Examination will be held for evaluation.



**Students Conducting Experiments for Research Project**

## 6.4.6 Supervision of Students in UG Programmes

All classrooms, laboratories, examination hall, all premises of the College, etc. are connected with surveillance CC cameras to monitor the teaching activities and being monitored continuously. Video of each camera is recorded in the system.

## 6.4.7 Feedback of Stakeholders (Students, Parents, Industries, Employers, Farmers, etc.)

Students are very happy with the conduct of the B.Tech. (Agricultural Engineering) academic programme being handled at Dr N.T.R. College of Agricultural Engineering, Bapatla.

## Feedback of B.Tech. (Agril Engg) Passed Out Students

I Ravuri Sai Prasanth (BE-13-017) studied B.Tech in Agricultural Engineering during 2013 – 2017 at College of Agricultural Engineering, Bapatla and currently I am studying II year Masters degree in Department of Farm Machinery and Power Engineering at Tamil Nadu Agricultural University, AEC & RI Kumulur. It was a good opportunity to share my feelings towards the teaching faculty of my B.Tech study period. The way of teaching has made my mind to feel as a comfortable environment in classroom. The practical knowledge and theoretical knowledge they have shared. Irrespective of subjects, I have learnt many things like discipline, ethics and also the way of solving problems in critical situations in my personal life also. I have an immense gratitude towards each and every faculty staff who made my B.Tech a fruitful period in my career. I would like to acknowledge each faculty who raised me up in my growth.

Yours Sincerely,



(RAVURI SAI PRASANTH)

I N. Anusha (BE-12-005) studied B.Tech in Agricultural Engineering during 2012-2016 at college of Agricultural Engineering, Bapatla and now I am pursuing II year Master degree in the Department of Farm Machinery and Power Engineering at Dr. NTR college of Agricultural Engineering, Bapatla. I feel honour to express my gratitude towards our university. The quality of education and the way of teaching of faculty has created an interest to me towards the subject of machinery. Even we ask insightful questions, the way of clarifying our doubts made me to interact with the faculty. The Internship programmes organised by our college has made me to apply my theoritical knowledge in a practical way. I have learnt many things such as adolescent behaviour, ethics etc. I particularly want to acknowledge all the teaching faculty for their responsibility towards students and would like to thank all the faculty, staff and administration for their hardwork and commitment. I particularly selected this institution because they recognises our strength and mates us to focus on it.

Yours Sincerely,

11/9/20

(N. Anusha)

I Kolliparu Venkata Naga Hemanth (BE-15-052) studied in Agricultural engineering during 2015-19 at CAE, Bapatla. Currently I'm pursuing my Post Graduate Diploma in Agri-Business Management from Vaikunth Mehta National Institute of Cooperative Management, Pune. It feel immense pleasure to share what my College had taught to me. In 4-years overall experience in these whole graduation was enlightening & moreover the guidance which I got from my faculty was absolutely commendable. College taught things theoretically as well as practically too by which many kinds of experience was given. Not only in academics many other parts like Cultural, sports we got exposed & learn learnt how to be & what to be. My heartfelt gratitude to each & every faculty and to my College (CAE) for giving me such a great experience.

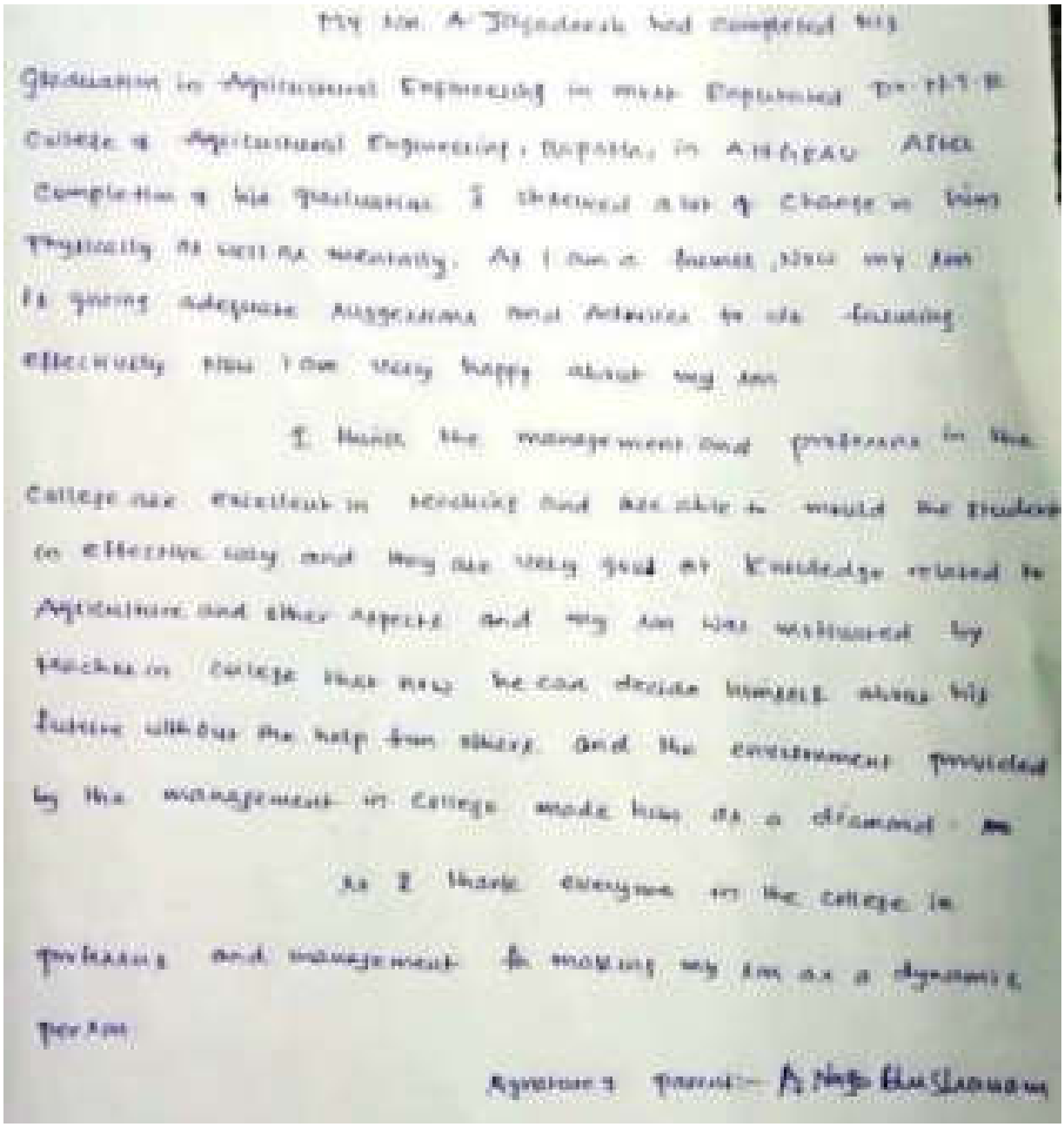
Yours sincerely,

(K.V.N Hemanth)
BE - 15-052
Bapatla

When I was in first year of Diploma in Agricultural Engineering I never my dream to get seat in college of Agricultural Engineering, Soporan. Afterthat period the college I have experienced what I had been learning during my diploma. The teaching and student learning activities such as Skilled I mostly appreciate university and college authorities for providing global exposure to the students by sending them across the globe for learning more part of IEP program and I am thankful to the university and college by changing the curriculum to meet the present day need by including Entrepreneurial learning on campus (ELP) to enhance Entrepreneurial skills on the graduates, Recommendation I find and some facilities may good serve the needs to be improved such as Lab facilities, performance learning materials of the students and technical and performance wise better. For more problems and IRP work should be taught along with the lectures so that the students will have more knowledge

Ramchandrappa
ID no: BE.Ag.11-45

**Feedback of Parents of B.Tech. (Agril Engg) Passed Out Students**



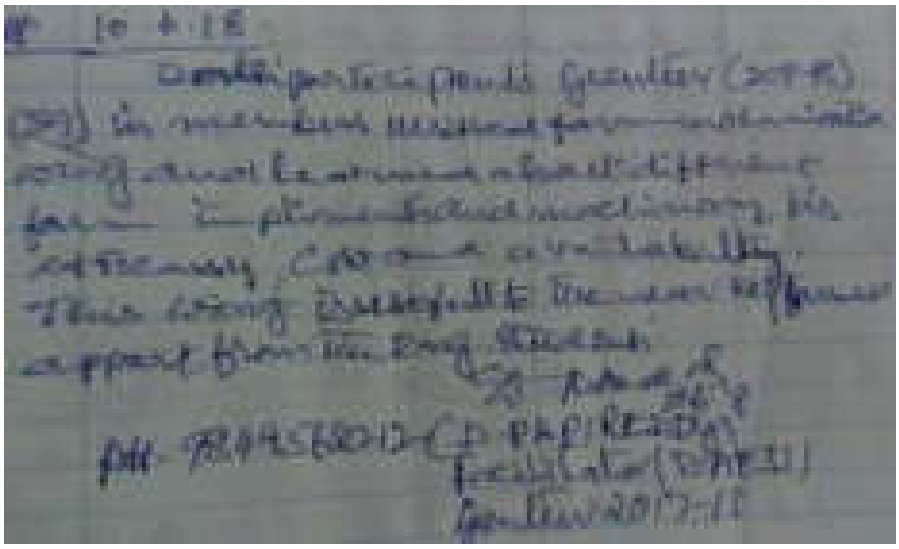
My son A Jayadevaiah had completed his Graduation in Agricultural Engineering in main Engineering Dr. N.T.R. College of Agricultural Engineering, Bapatla, in ANGRAU. After Completion of his Graduation I observed a lot of change in him Physically as well as mentally. As I am a farmer, now my son is giving adequate suggestions and advices to us. Farming effectively. Now I am very happy about my son.

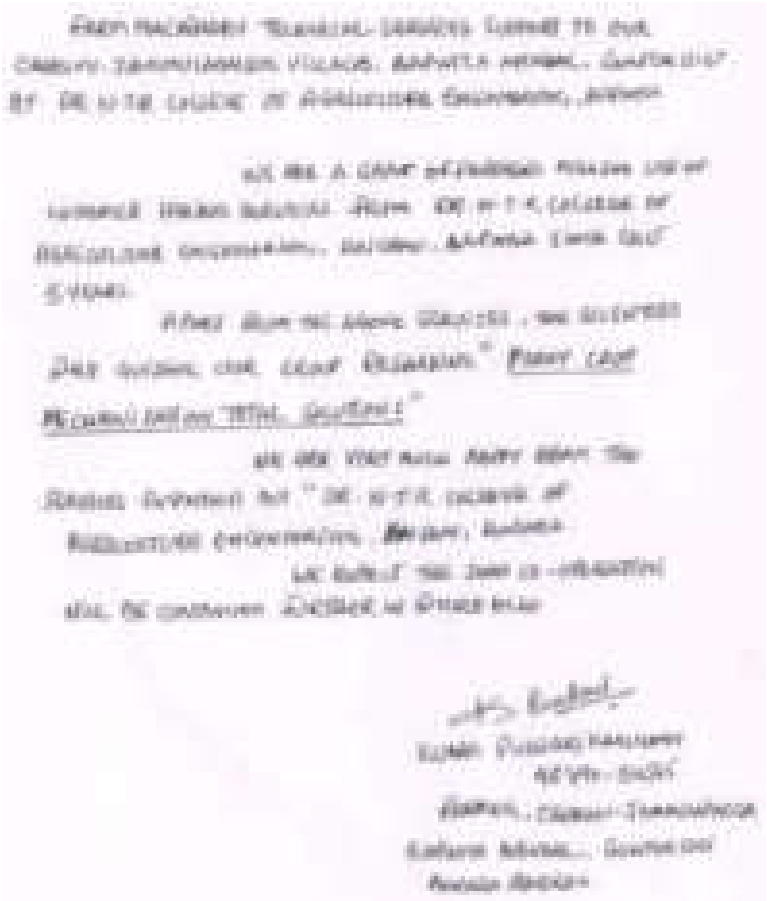
I thank the management and professors in the College who excelled in teaching and also able to mould the students in effective way and they are very good at knowledge related to Agriculture and other aspects and my son was welcomed by teachers in college that way he can develop himself. Shape his future without the help from others. And the environment provided by the management in college made him as a diamond. So

As I thank everyone in the college in professors and management for making my son as a dynamic person.

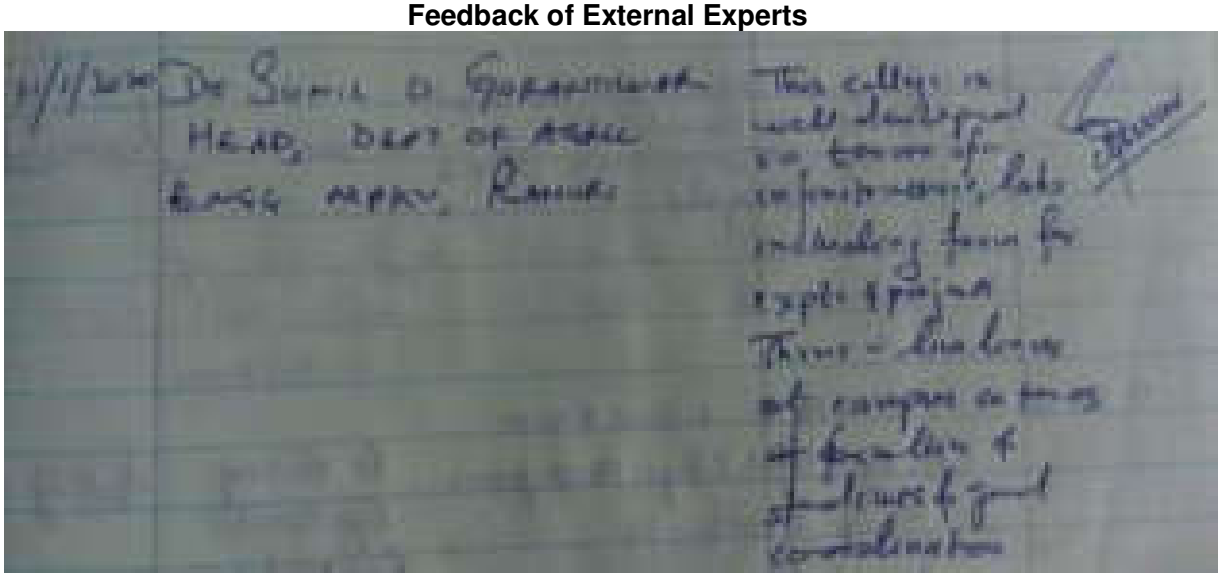
Signature of parent:- A Naga Bhushanam

**Feedback of Progressive Farmers**





**Feedback of External Experts**



**Feedback of Training Institutes/Organizations**

राष्ट्रीय वनस्पति स्वास्थ्य प्रबंधन संस्थान

National Institute of Plant Health Management

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation & Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण मंत्रालय, भारत सरकार

Ministry of Agriculture & Farmers Welfare, Government of India

NIPHM

Tele /Fax : 040-24015576
E-mail : niphm@nic.in
http://niphm.gov.in

Rajendranagar
Hyderabad - 500 030.
Telangana, INDIA

TO WHOMSOEVER IT MAY CONCERN

National Institute of Plant Health Management, Hyderabad started the In-plant training since 2014 for the third year students from Dr. NTR College of Agricultural Engineering, earlier known as College of Agricultural Engineering, Bapatla. The students from the above mentioned college are very punctual and sincere during their training period at NIPHM. The students were involved in the on-going research projects of the institute during the training period and have actively participated in the institute activities and also dedicated towards the completion of the tasks assigned.

Dr. M Udaya Bhanu
Scientific Officer (PHE)

**Feedback of Recruiting Organizations**



SONALIKA
International Tractors Ltd.

To,
The Dean,
College of Agriculture Engineering,
Bapatla,
Andhrapradesh.

Respected sir,

We from the international tractors limited conducted the campus interview in the year of 2016 &2017 and selected the good candidates for the role of the Territory executives, candidates are performing very well and some of them promoted in next level and doing good.
We thank you for providing us with the opportunity to select the good academic record students and they are having the excellent practical knowledge of the machines and able to use in the field.

Yours sincerely

For International Tractors Limited.

## 6.4.8 Student Intake and Attrition in the Programme for Last Five Years

Admission into First Year B.Tech. (Agricultural Engineering)programme is being done through AP state EAMCET ranks through common counseling of the state. Intake is for 60 seats. Out of 60 seats, 60% (36) of the seats are filled by EAMCET Convener, whereas remaining 40% (24) seats are filled under farmers' quota duly following the reservation policy of the state. There are 15% additional seats over and above 60 available for students of ICAR

quota nominated by ICAR, New Delhi. Those who have completed 3-year Diploma in Agricultural Engineering have facility of entering into Second Year B.Tech. (Agricultural Engineering) through AGRIENGGCET conducted by ANGRAU every year. There are 15% seats over and above 60 are reserved for these lateral entry students.

| B.Tech. (Agril Engg) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Academic Year | First Year | | Second Year | | Third Year | | Final Year | | Total Students |
| | Boys | Girls | Boys | Girls | Boys | Girls | Boys | Girls | |
| 2014-15 | 37 | 30 | 36 | 42 | 41 | 26 | 42 | 26 | 280 |
| 2015-16 | 32 | 28 | 40 | 33 | 35 | 41 | 41 | 26 | 276 |
| 2016-17 | 40 | 33 | 39 | 31 | 39 | 32 | 40 | 35 | 289 |
| 2017-18 | 42 | 25 | 48 | 36 | 38 | 30 | 40 | 32 | 291 |
| 2018-19 | 42 | 26 | 47 | 29 | 47 | 35 | 38 | 30 | 294 |
| 2019-20 | 29 | 38 | 49 | 28 | 44 | 27 | 47 | 31 | 293 |
| **Total** | **222** | **180** | **259** | **199** | **244** | **191** | **248** | **180** | **1723** |

| B.Tech. (Agril Engg) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Particulars | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | |
| | Enrolled | Passed | Enrolled | Passed | Enrolled | Passed | Enrolled | Passed | Enrolled | Passed |
| UG - Male | 45 | 42 | 40 | 36 | 40 | 34 | 40 | 32 | 44 | 30 |
| UG - Female | 27 | 26 | 30 | 27 | 34 | 39 | 32 | 40 | 26 | 38 |
| **Total** | **72** | **68** | **70** | **63** | **74** | **73** | **72** | **72** | **70** | **68** |

## 6.4.9 ICT Application in Curricula Delivery

All the teachers use LCP projector and deliver the curriculum through Power Point Presentation. Teachers play educational videos using multimedia for benefit of the students.

## 6.4.10 SSR of the B.Tech. (Agricultural Engineering) Degree

Self study report of the B.Tech. (Agricultural Engineering) programme of Dr N.T.R. College of Agricultural Engineering, Bapatla is here with submitted.

## 6.4.11 Certificate

I, the Associate Dean of the Dr NTR College of Agricultural Engineering, Bapatla, Andhra Pradesh hereby certify that the information contained in Sections 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.

Signature of the Associate Dean with Date and Seal

Associate Dean
Dr. NTR College of Agril. Engineering
BAPATLA-522101, A.P

# SELF STUDY REPORT FOR ACCREDITATION OF PROGRAMME
# M.Tech. (Agricultural Engineering)
# Dr NTR College of Agricultural Engineering, Bapatla

## 6.4.1 Brief History of the Degree Programme

M.Tech. (Agricultural Engineering) PG programmes in Dr. NTR College Agricultural Engineering, Bapatla were started from the academic year 2006-07 onwards in the three Departments of Farm Machinery and Power Engineering, Processing and Food Engineering and Soil and Water Engineering. PG students are provided with a monthly stipend of Rs.7000/-. ICAR specified syllabus is being followed for teaching M.Tech. (Agricultural Engineering) courses.

## 6.4.2 Faculty Strength

There is no separate faculty for running the M.Tech. (Agricultural Engineering) programmes. Faculty of the College is shown under Section 6.4.2 of B.Tech. (Agricultural Engineering) degree programme are responsible for running the M.Tech. (Agricultural Engineering) programmes also.

## 6.4.3 Technical and Supporting Staff

There is no separate Office and Laboratory Staff for running the M.Tech. (Agricultural Engineering) programmes. Office and Laboratory Staff of the College is shown under Section 6.4.3 of B.Tech. (Agricultural Engineering) degree programme are responsible for running the M.Tech. (Agricultural Engineering) programmes also.

## 6.4.4 Classrooms and Laboratories

There are 3 dedicated classrooms with good lighting and ventilation being used for M.Tech. (Agricultural Engineering) degree programmes in three specializations of Farm Machinery and Power Engineering, Processing and Food Engineering and Soil and Water Engineering for conducting theory classes. These classrooms are equipped with LCD projector, chalk board, furniture, etc. Soil and Water Engineering classroom is equipped with interactive board also. Each department is having different laboratories as mentioned under Section 6.4.4 of B.Tech. (Agricultural Engineering) degree programme to conduct the practical classes regularly.

## 6.4.5 Conduct of Practical and Hands-on Training

Practical classes are conducted in respective laboratories as per class Time-Table with the instruments, equipment, machinery, etc. available. During Second Year First Semester, students are sent to ICAR research institutes (CRIDA, Hyderabad; CIAE, Bhopal; CIAE, Regional Centre, Coimbatore; CIPHET, Ludhiana and Abhor etc.), Central Government Organizations (Central Institute of Tool Design, Hyderabad; NRSC, Kolkata; SFMTTI, Garladinne etc.), State Government Organizations (APSAC, Vijayawada etc.) and industries for one month to impart hand-on training to them.

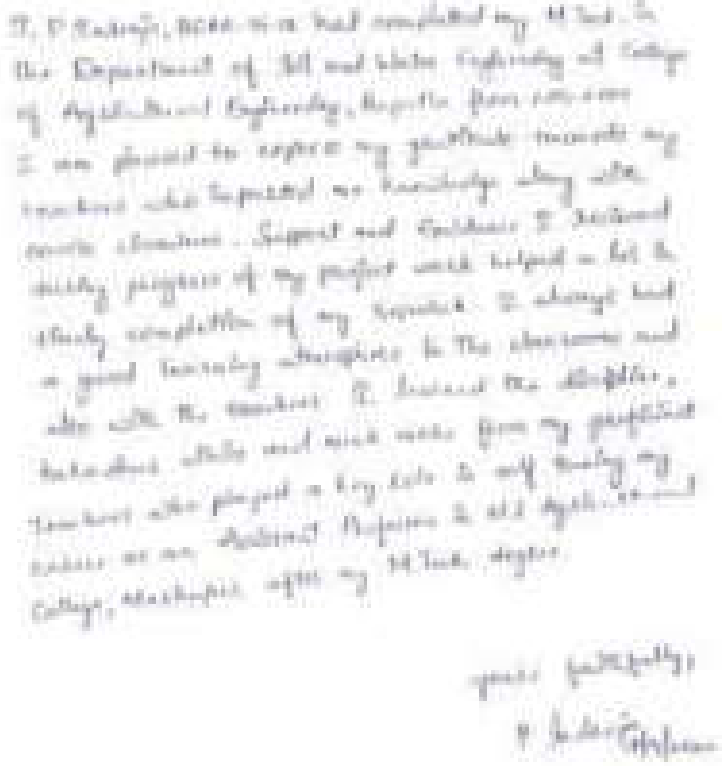
## 6.4.6 Supervision of Students in PG Programmes

All classrooms, laboratories, examination hall, all premises of the College, etc. are connected with surveillance CC cameras to monitor the teaching activities and being monitored continuously. Video of each camera is recorded in the system.

## 6.4.7 Feedback of Stakeholders (Students, Parents, Industries, Employers, Farmers, etc.)

Students are very happy with the conduct of the M.Tech. (Agricultural Engineering) academic programme being handled at Dr N.T.R. College of Agricultural Engineering, Bapatla.

**Feedback of M.Tech. (Agril Engg) Passed Out Students**



I, Subarna Ghosh was a student of College of Agricultural Engineering, Bapatla. I did M.Tech (Processing & Food Engineering) in the academic year 2016-18. It was quite a good experience studying in the college. Faculty were talented and friendly and labs also well equipped which made study as well as research work easier. Although the laboratories are well-equipped with instruments, students need to be engaged so that the resources can be fully utilized.

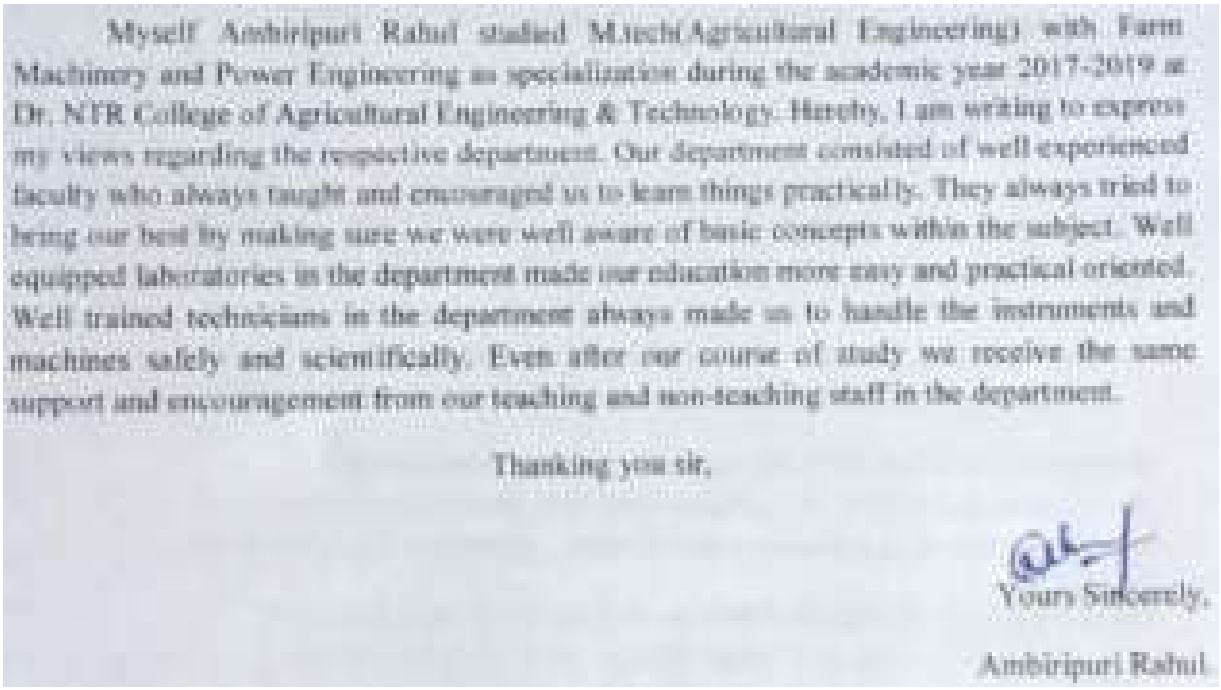
SUBARNA GHOSH
ID No :- BEM-16-B
(Ph.D Scholar,
IGKV, Raipur, CG)

My self Er. Mahesh babu Thumati studied M-Tech ( Agricultural Engineering) during the year 2017 in the Department of Farm Machinery and power engineering at Dr. N.T.R College of Agricultural Engineering & Technology, Bapatla. So I' am sharing my personal openion regarding the department. My department has well and good experienced faculty members. They are giving to some guest lectures regarding the subject for improving the new technologies of our specialization. I have to learn more theoretical as well as practical knowledge from the subjects and receive so many new technology idea from my faculty members. Department have good laboratory for practical work regarding the subjects and also projects work. The well experienced technicians for helping the practical and project work.

Thanking you sir

Yours sincerely

Er. Mahesh babu Thumati



Myself Ambiripuri Rahul studied M.tech(Agricultural Engineering) with Farm Machinery and Power Engineering as specialization during the academic year 2017-2019 at Dr. NTR College of Agricultural Engineering & Technology. Hereby, I am writing to express my views regarding the respective department. Our department consisted of well experienced faculty who always taught and encouraged us to learn things practically. They always tried to bring our best by making sure we were well aware of basic concepts within the subject. Well equipped laboratories in the department made our education more easy and practical oriented. Well trained technicians in the department always made us to handle the instruments and machines safely and scientifically. Even after our course of study we receive the same support and encouragement from our teaching and non-teaching staff in the department.

Thanking you sir,

Yours Sincerely,

Ambiripuri Rahul

## 6.4.8 Student Intake and Attrition in the Programme for Last Five Years

Admission process carried out to the M.Tech. programmes is through entrance examination (JRF) conducted by the ICAR every year(since 2018-19) as per the reservation policy of the state. Earlier ANGRAU conducted the entrance examination based on the B.Tech. (Agricultural Engineering) syllabus. Present intake is 13 students in all the three departments of M.Tech. (Agricultural Engineering) programme. Apart from regular admission, over and above, 15% of students secure admission under ICAR quota with ICAR fellowship.From the academic year 2017-18 onwards, provision is made for International students also for PG programmes. One student from Afghanistan has completed M.Tech. (Soil & Water Engineering) programme. So far, 102 PG students were awarded their degrees. The college has 32 post graduates on roll during the academic year 2019-20.

**Student Intake and Attrition for the College in PG Programmes**

| Year | Intake | | | Attrition | | | Attrition (%) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| M.Tech. (Farm Machinery and Power Engineering) | | | | | | | | | |
| 2015-16 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 1 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 4 | 0 | 4 | 2 | 0 | 2 | 50 | 0 | 50 |
| 2018-19 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019-20 | 4 | 1 | 5 | 1 | 0 | 1 | 20 | 0 | 20 |
| M.Tech. (Processing and Food Engineering) | | | | | | | | | |
| 2015-16 | 5 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 2 | 6 | 8 | 0 | 1 | 1 | 0 | 12.5 | 12.5 |
| 2017-18 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 3 | 5 | 8 | 1 | 0 | 1 | 12.5 | 0 | 12.5 |
| 2019-20 | 2 | 4 | 6 | 0 | 2 | 0 | 0 | 33.3 | 33.3 |
| M.Tech. (Soil and Water Engineering) | | | | | | | | | |
| 2015-16 | 2 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 2 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 1 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019-20 | 1 | 2 | 3 | 1 | 1 | 2 | 33.3 | 33.3 | 66.6 |

## 6.4.9 ICT Application in Curricula Delivery

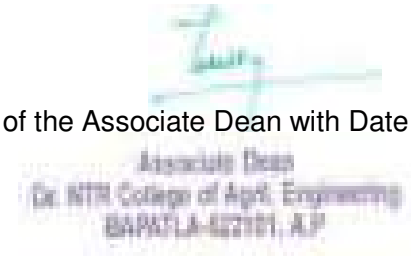
The College is having smart classrooms, interactive board,audio visual facilities, etc. for teaching and for conducting seminars and progress of the students' projects. Teachers are using these facilities regularly to deliver course lectures with power point presentation. Students are encouraged to deliver presentations through power point presentations.

## 6.4.10 SSR of the M.Tech. (Agricultural Engineering) Degree

Self study report of theM.Tech. (Agricultural Engineering) programme of Dr N.T.R. College of Agricultural Engineering, Bapatla is here with submitted.

## 6.4.11 Certificate

I, the Associate Dean of the Dr NTR College of Agricultural Engineering, Bapatla, Andhra Pradesh hereby certify that the information contained in Sections 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.




Signature of the Associate Dean with Date and Seal

# SELF STUDY REPORT FOR ACCREDITATION OF PROGRAMME
# Ph.D. (Agricultural Engineering)
# Dr NTR College of Agricultural Engineering, Bapatla

## 6.4.1 Brief History of the Degree Programme

Ph.D. (Agricultural Engineering) programme was initiated during the year 2012-13 in three Departmentsof Farm Machinery and Power Engineering, Processing and Food Engineering and Soil and Water Engineering. Ph.D. students are supported with a monthly stipend of Rs.10,000/-. ICAR specified syllabus is being followed for teaching Ph.D. (Agricultural Engineering) courses.

## 6.4.2 Faculty Strength

There is no separate faculty for running the Ph.D. (Agricultural Engineering) programmes. Faculty of the College is shown under Section 6.4.2 of B.Tech. (Agricultural Engineering) degree programmeare responsible for running the Ph.D. (Agricultural Engineering) programmes also.

## 6.4.3 Technical and Supporting Staff

There is no separate Office and Laboratory Staff for running the Ph.D. (Agricultural Engineering) programmes. Office and Laboratory Staff of the College is shown under Section 6.4.3 of B.Tech. (Agricultural Engineering) degree programme are responsible for running the Ph.D. (Agricultural Engineering) programmes also.

## 6.4.4 Classrooms and Laboratories

There are 3 dedicated classrooms with good lighting and ventilation being used for Ph.D. (Agricultural Engineering) degree programmes in three specializations of Farm Machinery and Power Engineering, Processing and Food Engineering and Soil and Water Engineering for conducting theory classes. These classrooms are equipped with LCD projector, chalk board, furniture, etc. Each department is having different laboratories as mentioned under Section 6.4.4 of B.Tech. (Agricultural Engineering) degree programme to conduct the practical classes regularly.

## 6.4.5 Conduct of Practical and Hands-on Training

Practical classes are conducted in respective laboratories as per class Time-Table with the instruments, equipment, machinery, etc. available.

## 6.4.6 Supervision of Students in Ph.D. Programmes

All classrooms, laboratories, examination hall, all premises of the College, etc. are connected with surveillance CC cameras to monitor the teaching activities and being monitored continuously. Video of each camera is recorded in the system.

## 6.4.7 Feedback of Stakeholders (Students, Parents, Industries, Employers, Farmers, etc.)

Students are very happy with the conduct of the Ph.D. (Agricultural Engineering) academic programme being handled at Dr N.T.R. College of Agricultural Engineering, Bapatla.

**Feedback of Ph.D. (Agril Engg) Passed Out Students**

I, Samuvel (BEP-15-003) of the Dr. N.T.R College of Agricultural Engineering, Bapatla profoundly express our inherent and inbibed sense of thankfulness and gratitude for transforming a simple academic student into well formed graduate and tangible human being in connection of agriculture through STEM (Science, Technology, Engineering and Mathematics).

We have been discerned many milestones and ideal personalities, individuals and team that strived hard for upliftment of farming community through transfer of technology during class room interaction and other practical platforms. It was a wonderful academic decision made by many of us to choose Dr. N. T. R CAE for carrying out studies.

Finally we can joyfully figure Dr. N.T.R CAE, Bapatla as "an institution for expansion, excellence and employability of the students and graduates for inculcating knowledge, skills and attitude for life learned lessons as an individual and also having been as Agril technocrat.

(Samuvel)
BEP-15-003
Ph. D, Dept of PFE
Dr. N.T.R CAE, Bapatla

I N.V. Gowtham Deekshithulu (BEP-16-08) studied Ph.D in the department of Soil and Water Engineering from 2016-2019 at College of Agricultural Engineering, Bapatla. It was a good opportunity to share my feelings towards the teachers in my study period. The expertise teaching of faculty has put our minds at ease and comfortable in classroom environment. Irrespective of subjects. I have learnt many things from the faculty like ethics, etc that are inspired me a lot and kept my path in right way of living. The support that was given by the faculty in the project time was unimaginable. A lot more things from the campus make me as an Assistant Professor in Aditya Engineering College after my completion of Ph.D. I would like to acknowledge each faculty who raised me up in my growth.

Yours Sincerely,

N V Gowtham Deekshithulu

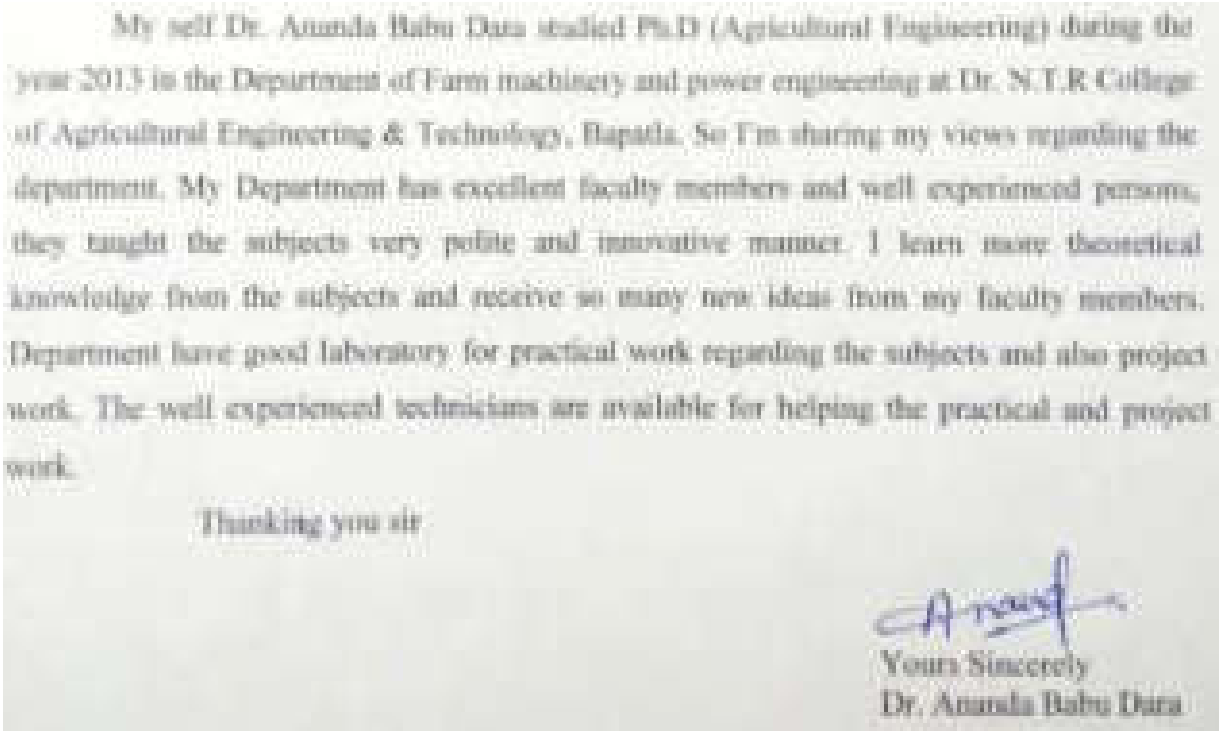
I submit to state that, I had completed my Ph. D (Agril. Engg) in Department of Farm Machinery and Power Engineering in Dr. NTR College of Agricultural Engineering, Bapatla in the year 2019. I would like to thank each and one who had supported me in completing my Ph. D programme. Professors in the Department of Farm Machinery and Power Engineering are well experienced in sharing the knowledge, motivate and supportive to the students in completion of research work and guide them in choosing the right path in their career. Department has well established laboratories (Workshop & Farm Machinery) and experienced technical staff to carry out the research work. Thank you for giving me the opportunity and it is really a great privilege to share my experience with the college and with my department.

Thanking you,

Yours faithfully,

15/9/2020

ASSISTANT PROFESSOR
Dept. of Farm Machinery & Power Engineering
College of Agricultural Engineering
Garladinne, Sangareddy Dist. T.S.
PJTS Agricultural University



My self Dr. Ananda Babu Dara studied Ph.D (Agricultural Engineering) during the year 2013 in the Department of Farm machinery and power engineering at Dr. N.T.R College of Agricultural Engineering & Technology, Bapatla. So I'm sharing my views regarding the department. My Department has excellent faculty members and well experienced persons, they taught the subjects very polite and innovative manner. I learn more theoretical knowledge from the subjects and receive so many new ideas from my faculty members. Department have good laboratory for practical work regarding the subjects and also project work. The well experienced technicians are available for helping the practical and project work.

Thanking you sir

Yours Sincerely
Dr. Ananda Babu Dara

## 6.4.8 Student Intake and Attrition in the Programme for Last Five Years

Admission process carried out to the Ph.D. programmes is through entrance examination (SRF) conducted by the ICAR every year (since 2018-19)and interview performance as per the reservation policy of the state. Earlier ANGRAU conducted the entrance examinations in each specialization based on the M.Tech. (Agricultural Engineering) syllabus. Apart from regular admission, over and above, 15% of students secure admission under ICAR quota with ICAR fellowship. There is a provision of one seat for regular students in each Department and one seat altogether for in-service faculty of ANGRAU. Of late, 53 students have enrolled to Ph.D. programme. The College has 32 doctoral students on roll during the academic year 2019-20.

**Student Intake and Attrition for the College in Ph.D. Programmes**

| Year | Intake | | | Attrition | | | Attrition (%) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Ph.D. (Farm Machinery and Power Engineering) | | | | | | | | | |
| 2015-16 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 0 | 2 | 2 | 0 | 1 | 1 | 0 | 50 | 50 |
| 2019-20 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. (Processing and Food Engineering) | | | | | | | | | |
| 2015-16 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019-20 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. (Soil and Water Engineering) | | | | | | | | | |
| 2015-16 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2016-17 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017-18 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018-19 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019-20 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

## 6.4.9 ICT Application in Curricula Delivery

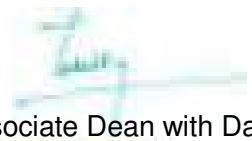
The College is having smart classrooms, interactive board, audio visual facilities, etc. for teaching and for conducting seminars and progress of the students' projects. Teachers are using these facilities regularly to deliver course lectures with power point presentation. Students are encouraged to deliver presentations through power point presentations.

## 6.4.10 SSR of the Ph.D. (Agricultural Engineering) Degree

Self study report of the Ph.D. (Agricultural Engineering) programme of Dr N.T.R. College of Agricultural Engineering, Bapatla is here with submitted.

## 6.4.11 Certificate

I, the Associate Dean of the Dr NTR College of Agricultural Engineering, Bapatla, Andhra Pradesh hereby certify that the information contained in Sections 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.



Signature of the Associate Dean with Date and Seal



# SELF STUDY REPORT

## (2013-14 to 2019-20)
## for
## ACCREDITATION OF
## COLLEGE OF AGRICULTURAL ENGINEERING
## MADAKASIRA




**ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY**
**COLLEGE OF AGRICULTURAL ENGINEERING**
**MADAKASIRA – 515 301 (A.P)**
**ANANTAPURAMU (Dist.)**

# Self Study Report 2019

## College

College of Agricultural Engineering, Madakasira – Andhra Pradesh - 515301

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## Self Study Report Preparation Team

| | | | |
|---|---|---|---|
| 1. | Dr. G. Ravi Babu | Associate Dean | Chairman |
| 2. | Dr. P.V.K. Jagannadha Rao | Principle Scientist (Agril. Engg.) RARS, Anakapalli | Member |
| 2. | Dr. T.V. Satyanarayana | Nodal Office, ANGRU, Administrative Office, Lam, Guntur | Member |
| 3. | Dr. B. Manjula | Assistant Professor, Dept. of Processing & Food Engineering | Member |
| 4. | Dr. G. Muralee Krishna | Associate Professor, Dept. of Irrigation and Drainage Engineering | Member |
| 5. | Dr. K. Ashok Kumar | Associate Professor, Dept. of Agronomy | Member |
| 6. | Er. D. Vijay Kumar | Assistant Professor, Dept. of Farm Power & Machinery | Member |
| 7. | Er. N. Ashok Kumar | Assistant Professor, Dept. of Soil and Water Engineering | Member |
| 8. | Er. Ch. Ratna Raju | Assistant Professor, Dept. of Soil and Water Engineering | Member |
| 9. | Er. D. Srigiri | Assistant Professor, Dept. of Farm Power & Machinery | Member |
| 10. | Er. V. Shobhan Naik | Assistant Professor, Dept. of Renewable Energy Sources | Member |
| 11. | Er. M.R.Pooja | Teaching Associate, Dept.of Processing & Food Engineering | Member |

**Guidance & Critical Inputs**

Dr. K.Yella Reddy

Dean of Agricultural Engineering & Technology

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## Historical Background

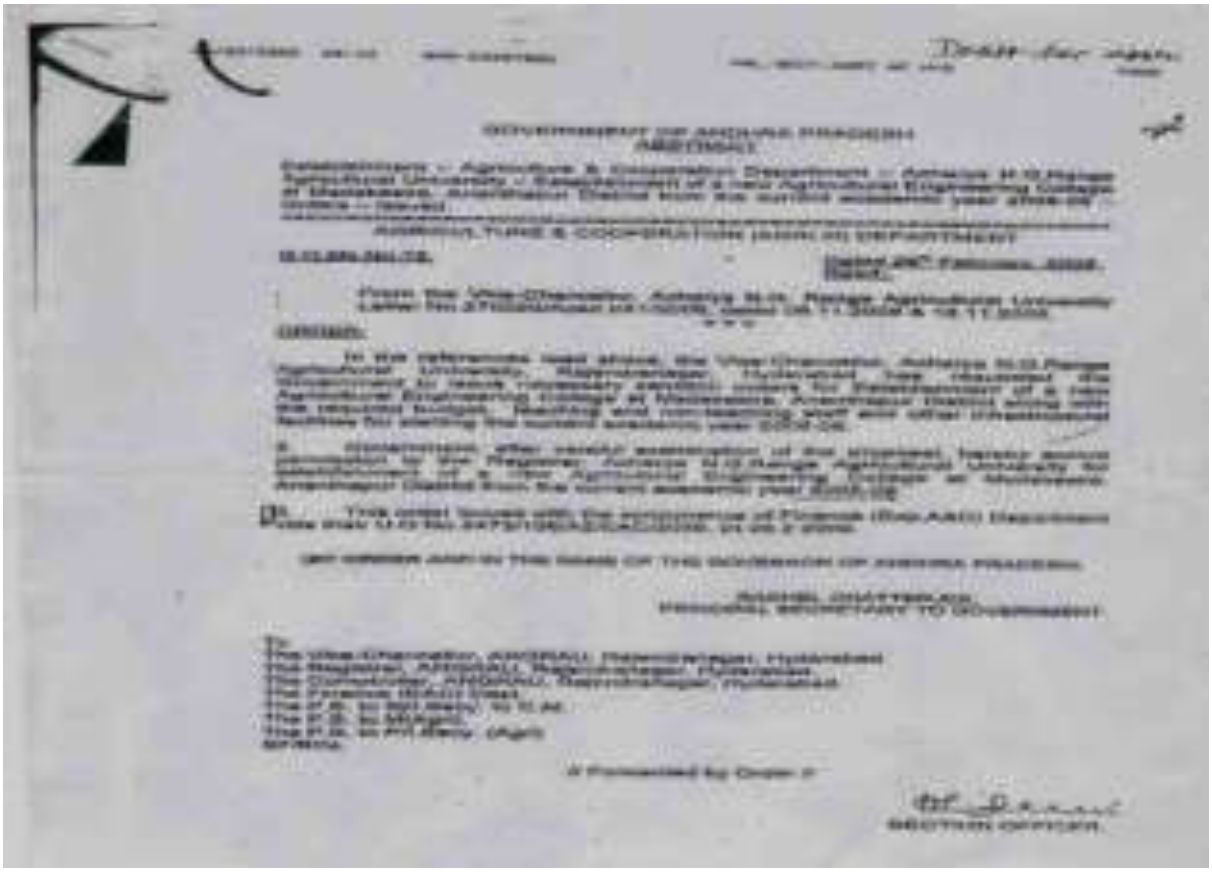
The College of Agricultural Engineering, Madakasira was established on **8.11.2008** Vide **G.O.Ms.No.78, dt.26-2-2009 of the Principal Secretary to Government**, Agriculture and Cooperation (AGRI.III) Department, Government of Andhra Pradesh (Copy of G.O. is enclosed ), during the academic year 2008-2009 **in an area of 72 Acres** as one of the constituent colleges of the Acharya N. G. Ranga Agricultural University (ANGRAU). Keeping the manpower requirements in the profession of Agricultural Engineering in view, the Government of Andhra Pradesh has established the college for the benefit of farmers, agriculture sector and the industry. This was the second college of agricultural engineering established in the state of Andhra Pradesh before bifurcation of the state. This college has been imparting high quality education in the field of Agricultural Engineering since its inception and is recognized as one of the well established colleges in the country with very dedicated faculty and staff. The Government has provided grants for development of infrastructure in the college in the form of well designed buildings, state-of-the-art equipment in different laboratories, sports and games facilities in the campus. Since, the next green revolution is to be achieved through the engineering interventions in agriculture and allied sectors; this college has been given the mandate of producing trained manpower in agricultural engineering with quality higher agricultural education and research. The presence of the College has been benefitting the farmers in the State in general and the Rayalaseema region of the state in particular, to improve their income through enhanced productivity, profitability, reduced cost of cultivation by using suitable farm machinery and by efficient management of natural resources.

The College has been offering a 4-year B.Tech. (Agricultural Engineering) since 2008 with standard syllabus and course curriculum following the 4$^{th}$ Deans' Committee recommendations of ICAR and presently the 5$^{th}$ Dean' Committee recommendations with all programmes of STUDENT READY, ELP and In-Plant Trainings as stipulated by the ICAR. The infrastructural facilities and lab facilities are even worthy of starting PG programmes in the College very soon. The college has the Departments of (1) Farm Machinery and Power Engineering (2) Soil and Water Conservation Engineering (3) Processing and Food Engineering (4) Irrigation and Drainage Engineering (5) Renewable Energy Resources (6) Basic Engineering (Civil, Mechanical, Electrical, Computer Engineering) Sciences and (7) Applied and Agricultural ( Mathematics, Agronomy, Soil Science, Agril. Extension, Agril. Economics) Sciences. The job opportunities for agricultural engineering graduates exist the state department of agriculture, rural development department, agro-industries development corporation, Banks, reputed private industrial organizations related to farm machinery and implements, micro-irrigation, food processing value addition, seed processing and NGOs related to watershed development. The Training & Placement Cell has been maintaining great rapport with government, non-government and private organizations constantly taking the feedback from them for updating the requirements of the graduates.

The College started UG programme in 2008 and the first batch graduated in 2012. Around 250 students have passed out from the College at graduate level since its inception. The alumni involvement and support has also been helping the college in placing the students for In-Plant training, Experiential-learning Programme in the corporate sector and job placements in industrial sector. The Alumni of the College have been occupying prestigious positions in academic institutions, tractor industry, agro-industries Corporation, rural development department, food processing industry and pursuing advanced research in national and international organizations. The

College is also a strong partner of the ISAE-AP Chapter and has lot of professional support to the college through organization of seminars and workshops for the benefit of the faculty and students. The faculty of the college is well determined to make the students of the college competitive by providing special classes for the GATE, JRF and other competitive examinations. As a result, the students of the College have been securing a number of very good ranks in the last five years. As one of best examples to cite, the College students achieved All India 2nd Rank in GATE-2019 and other top ranks. Also, six (6) students have secured good ranks in ICAR-JRF examination and got admission into M.Tech. programme in different SAU's. One student namely Mr. Mehul Patil has secured admission to MS Program in Bio-Systems Engineering in the University of Manitoba, Canada with an outstanding scholarship of $ 5400 and $ 40000 for 2 years. Another student namely Mr. Rachit Saxena has secured admission into MS in Bio-Resources Engineering in McGill University, Montreal, Canada and was offered a job as Product Developer in R& D Department in Maple Leaf, Hamilton. This shows the hard work combined with determination of the students and commitment of the staff.

During the year 2019-20, the college has won the appreciation by university and government officials for the development of Inter and Intra Weeder for Mini tractor, Value Addition for Groundnut through processing products like Groundnut Butter, Milk, Curd and Paneer, Multi-purpose Combination Tillage and an Electrical operated machine for producing edible films for food packaging by the students as part of their UG Project works. Now, the College with its enhanced infrastructural facilities, state-of-the-art equipment, committed teachers, administrative and non-teaching staff, outsourcing and other contract staff is continuously contributing towards excellence in agricultural engineering education and research.



**G.O.Ms.No.78, dt.26-2-2009 of the Principal Secretary to Government for Establishment of College of Agricultural Engineering, Madakasira**



**Solar Power generation for the Farm Machinery Workshop**



**Fluid Mechanics Laboratory**



**Dairy and Food Engineering Pilot Plant**



**Processing and Food Engineering Lab**



**Soil and Water Engineering Laboratory**

## 6.5.1. College Administration

The details of college administration are covered in subsequent sub sections:

## 6.5.1.1. College Associate Dean's Office Establishment

The post of the Associate Dean is a sanctioned post as per ICAR model act for agricultural universities. University administration nominates the Associate Dean for a period of 2 years based on seniority and extendable for one more year. The present Associate Dean was joined on 05th July, 2018. The ministerial and supporting staff is given Table 1.

**Table 1: Ministerial and Supporting Staff**

| S.No. | Name of the post | Number |
|---|---|---|
| 1 | Administrative Officer | One |
| 2 | Superintendent | One |
| 3 | Senior Assistant | Four |
| 4 | Junior Assistant | Eleven |
| 5 | Record Assistant | One |
| 6 | Office Subordinate | Three |
| 7 | Junior Library Assistant | One |
| 8 | Shelf Assistant | One |
| 9 | Drivers | Three |
| 10 | Sweepers | Four (Outsourcing) |

Infrastructure facilities available in the Associate Dean's office establishment is given in Table 2.

**Table 2: Space Available to Associate Dean's Office**

| S.No. | Offices | Area (Sq Feet) |
|---|---|---|
| 1 | Associate Dean's Office | 596.86 |
| 2 | PA's Office | 149.19 |
| 3 | Office Room | 871.43 |
| 4 | Electricity Inverter Room | 169.44 |
| 5 | Seminar hall | 915.47 |
| 6 | Guest Room | 361.45 |
| 7 | Drawing hall | 871.88 |
| 8 | Record room cum hostel office | 424.09 |
| 9 | Computer Lab | 902.69 |
| 10 | Class Rooms 4 No.'s | 970.48 |
| 11 | Library | 3180.76 |
| 12 | Auditorium | 3180.76 |
| 13 | Examination hall | 1831.04 |
| 14 | Laboratory (13 No.) | 9324.16 |
| 15 | Staff Rooms (11 No.) | 4047.95 |
| 16 | T.T. Room | 290.48 |

Associate Dean's office is well equipped with facilities as summarized in Table 3.

**Table 3: Facilities Available with Associate Dean's Office**

| S.No. | Particulars | Number |
|---|---|---|
| 1 | Laptop | 01 |
| 2 | Color Photocopier Machine | 01 |
| 3 | Printer | 01 |

| | | |
|---|---|---|
| 4 | Wi-Fi Router | 01 |
| 5 | CCTV Monitoring System | 01 |
| 6 | College awards display board | 01 |
| 7 | Magazine rack | 01 |

## 6.5.1.2. Monitoring Mechanism for Quality Education

**The monitoring mechanism exists in the College at the following levels**

1. **Responsibility at Teacher's level for coverage of syllabus and conduct of examinations**

As per the ANGRAU UG Regulations 2017, a teacher has to follow the university approved syllabus as per the ICAR's 5th Deans, committee recommendations. The teacher will conduct the classes as per the class work allotted to the course both Theory and Practical component wise as per the credit load assigned to each course. There are university guidelines for marking the attendance registers of each course. For example, the progressive numbers shall be marked in the registers from 1 to 16 in the columns for a one credit theory course in a semester. The number also indicates the lecture number in the syllabus. The teachers are instructed to cover the syllabus proportionate with time in a semester. This ensures uniform coverage of syllabus in all the weeks of the semester. The teacher will also enable the student to prepare well for the examinations and also to acquire knowledge without any work pressure. Also, there are specific guidelines from the university that syllabus for the Mid-Semester examinations shall be exactly half of the syllabus of the course ( For example in a one credit course, the first eight lectures only constitute the syllabus for the mid-semester examination and the syllabus will be covered before the examination schedule fixed by the university). All guidelines for setting up of the question papers both mid examinations and final examinations issued by the university are scrupulously followed by the teachers.

The verifiable indicators are the markings in attendance registers, the question papers of the Mid-semester, Semester Final Practical and Final Theory examinations and the evaluated answer sheets of the students.

2. **Monitoring Mechanism at Head of the Department Level**

The Head of the Department shall ensure strict compliance by teachers of all instructions as per the UG regulations on a regular basis every week. He/She will check the attendance registers, coverage of syllabus by a teacher whether proportionate with time or not, quality of questions and setting of questions as per the guidelines etc on a daily basis. Any deviation from the guidelines by the teachers is being viewed very seriously.

The verifiable indicators in quantitative terms are the attendance registers and the numbering of classes and dates and surprise checks in the classes for the effective teaching by the teacher.

3. **Monitoring Mechanism at the Associate Dean (Head of the College) Level**

The Associate Dean, who is the administrative and technical head of the college conducts the meetings of the Heads of the Departments every week for monitoring of all the activities indicated in the above points. The Associate Dean shall take every action for proper and efficient conduct of teaching, research and extension activities. The verifiable indicators are the minutes of such meetings and actions taken/initiated. The Associate Dean shall report to the university if necessary for actions at University Level.

## 4. Monitoring Mechanism involving stake holders

### Student Teacher Council (STC)

To ensure quality education by getting feedback from teachers and students, the institution has "Student Teacher Council (STC)" comprising of experienced faculty members from constituent department of the college and 2 students nominated from each batch (Table 4). In addition to academic advisor for each student, two class in-charges (for each batch) is also appointed to coordinate with students through the degree programme. All class rooms are equipped with CCTV cameras.

To meet the objectives, the committee is further strengthened with activity based sub-committee as detailed below:

- College Executive Committee
- College Maintenance Committee
- Anti Plagiarism Committee
- Project Allotment Committee
- Sports and Co-Curricular Activity Committee
- Disciplinary Committee
- Tour Committee
- Training and Placement Committee
- Student Activities Committee
- Hostel Committee

In addition to these committees, each department has their own Teaching, Research and Extension committees to help the head of the department in monitoring and smooth conduct of academic, research and extension activities. The college has Officer In-charge for Academic matters (OSA) and Officer In-charge for Student affairs for conduct of faculty meetings at college level.

**Table 4: Student - Teacher Council Committee (STC)**

| S.No. | Name | Designation and Department | STC Committee |
|---|---|---|---|
| 1 | Dr. P.V.K. Jagannadha Rao | Associate Dean | Chairman |
| 2 | Er. Ch. Ratna Raju | Assistant Professor<br>IDE (Officer in-charge Student Affairs) | Convener |
| 3 | Er. D. Vijay Kumar | Assistant Professor<br>FMP (Officer in-charge Academic Matters) | Member |
| 4 | Dr. B. Manjula | Assistant Professor<br>PFE (Additional warden, Girls hostel) | Member |
| 5 | Er. D. Srigiri | Assistant Professor<br>FMP (Warden, Boys hostel) | Member |
| 6 | Dr. B. Sarojini Devi | Professor<br>IDE (Placement cell) | Member |
| 7 | Er. B.V. Mohana Rao | Assistant Professor | Member |

| | | | |
|---|---|---|---|
| | | IDE (Training cell) | |
| 8 | Er. V. Shobhan Naik | Assistant Professor<br>FMP (NSS Officer) | Member |
| 9 | Smt. K.A.N.R. Manikya Devi | Administrative Officer | Member |
| 10 | Ujjwal (ME-16-037) | Fourth Year student | Member |
| 11 | A. Priyanka (ME-16-010) | Fourth Year student | Member |
| 12 | D. Uday Kumar (ME-17-031) | Third year Student | Member |
| | R. Manasa Lakshmi Durga (ME-17-016) | Third year Student | Member |
| 13 | V. Srinikethan (ME-18-037) | Second year student | Member |
| | M. Vanitha (ME-18-039) | Second year student | Member |
| 14 | Madhu Likhita (ME-19-14) | First year student | Member |
| 15 | Narayanareddy (ME-19-18) | First year student | Member |

**5. Monitoring Mechanism at University Level ( Dean of the Faculty)**

The Dean of the Faculty of Agricultural Engineering & Technology at University level shall ensure the compliance of regulations of the university by the Teachers, HoDs and Associate Deans from time to time. The Dean also conducts technical and office inspections usually twice a year by visiting the college. During the visits, the Dean shall inspect all teaching, research and extension activities of the College. He will also have interaction with students and staff separately. After completing every inspection, he shall submit a report to the Vice-Chancellor and also the remarks/suggestions will be sent to the College for improvement in the functioning of the College. The verifiable indicators are the inspection reports of the Dean of the Faculty.

## 6.5.1.3. CC/Board of Studies

At the university level, a faculty board exists for the faculty of Agricultural Engineering and Technology established in 2010 headed by the Dean of Agricultural Engineering and Technology in the erstwhile Andhra Pradesh under the unified ANGRAU. This faculty board administers all the Colleges of Agricultural Engineering under the Administrative Control of ANGRAU.

Under the unified ANGRAU, there were three Colleges of Agricultural Engineering under the control of this faculty board. After devolving of College of Agricultural Engineering, Sangareddy into the Telangana State under PJTSAU, the following two colleges exist under the faculty board:

i. College of Agricultural Engineering, Bapatla
ii. College of Agricultural Engineering, Madakasira

At the college level, there is a well established College Administrative Board (CAB). The main purpose of the board is to take decisions on various academic issues related to B.Tech. programme. The constitution of the board of studies is as follows:

- Associate Dean, Chairperson
- Senior Professor, Member
- All Heads of the departments

The meetings of College Administrative Board (CAB) are held as per need to deliberate on the academic issues. The decisions taken in various meetings held during the last five years are summarized in Table 5.

**Table 5: Decisions Taken in the Meetings of College Administrative Board (CAB) (2013-2019)**

| Meeting No. | Date of meeting | Decisions / Recommendations |
|---|---|---|
| 1 | 09.02.2013 | Utilization of micro irrigation equipment for water saving in irrigation<br>Maintenance of greenery in the campus<br>Seed production in the vacant land should be taken up as per the demand of the local farmers<br>Special coaching class to the students who will be appearing for GATE, ARS, JRF, SRF Examinations |
| 2 | 25.01.2014 | Strict maintenance of hostel regulations |
| 3 | 04.09.2015 | Conduct of personality development classes to the students and teachers<br>Financial assistance to the SC, ST and OBC students |
| 4 | 05.09.2016 | Conduct of GATE classes to the final year students |
| 5 | 21.06.2017 | Special classes for Yoga to the students and staff<br>GATE Classes to the final year students, organization of medical & veterinary camps in adopted villages<br>Maintenance of summer/winter school/ training programmes register |
| 6 | 25.01.2018 | Regular monitoring of CCTV cameras installed in the various locations of the college<br>Strict implementation of UG regulation (7.2)<br>Solar power generation should be taken up in the college to reduce the electricity bill whereever possible<br>Maintenance of ELP demonstration units<br>Updating of website regularly<br>STC meetings should be conducted once in three months |
| 7 | 08.11.2018 | Regular inspection of technical programmes of the scientists by the University Heads<br>Monitoring of the civil works with the committee constituted at college level<br>Establishment of farm pond in the college for rain water harvesting<br>Effective utilization of farm machinery implements for various agricultural operations in the campus |
| 8 | 18.12.2018 | Lecture on moral values should be arranged to the students<br>Meeting with Hon'ble Vice-Chancellor on recruitment of Agricultural Engineers in A.P.<br>Submission of list of equipment for conducting practical classes as per 5$^{th}$ Deans committee recommendations |
| 9 | 01.01.2019 | Organization of campus interviews for the final year students<br>Implementation of Agrico-Green Programme with the first year students in the campus (One plant one student)<br>Utilization of budget in view of closure of financial year 2018-19 |
| 10 | 03.01.2019 | Utilization of Alumni network for the campus interviews / In-plant training programme / Student READY Programmes<br>Advisory classes should be conducted regularly once in a week to indentify the students problems in academic and hostels |
| 11 | 18.01.2019 | Review meeting on village adoption with the help of NSS Units<br>Implementation of soil moisture conservation technologies in the adopted villages<br>Integrated approach for the development of the village |

| | | |
|---|---|---|
| | | Identification of non- availability of critical inputs should be brought to the notice of concerned authorities and make necessary arrangements<br>Soil mapping in the adopted village<br>Improvement of sanitation and communication in the adopted village |
| **12** | 28.01.2019 | Establishment of NCC unit in the college<br>Participation of NSS units in Janmabhoomi Programme organized by Govt. of A.P.<br>Extension of library timings<br>Resolving the problems of students scholarships<br>Mid semester answer sheets should be shown to the students within 15 days of examination<br>Discussion on SC, ST Scholarships and blood donation camp |
| **13** | 05.02.2019 | Study tour to Polavaram irrigation project<br>Possibility of final theory examinations |
| **14** | 01.03.2019 | Discipline in the campus to avoid strikes<br>Strict maintenance of college timings<br>Establishment of duck rearing units in IFS (Integrated Farming System) units<br>Intensification of research work on drones and small tractor equipment<br>Allocation of funds towards conduct of GATE, ICAR-JRF examinations |
| **15** | 05.03.2019 | Updating of NSS cash books and farm produce register<br>Conduct of hostel and college day<br>Formation of students committee for mess, sports and internal facilities<br>Estimation towards purchase of surveying and levelling equipment for the conduct of first year practical classes<br>Maintenance of sports achievement register<br>Yoga classes to the teachers and students |
| **16** | 03.04.2019 | Strict vigilance of Wi-Fi facility available in the college |
| **17** | 26.04.2019 | As per the feedback from the students and farmers of the line department, technical programme of work for PG and Ph.D. students works has to be formulated<br>Cost of cultivation should be brought down through introduction of farm machinery / equipment in the farm maintained by the college<br>Establishment of farm machinery custom hiring centres for the benefit of local farmers |
| **18** | 27.06.2019 | Finalized the on-campus Experiential Learning Programme (SRDY-482,10 weeks duration) activities<br>Discussion on preparation of Accreditation report of the college and degree programme<br>Proposal for the naming of newly constructed boys and girls hostels and ELP building |
| **19** | 05.09.2019 | To finalize the in-charge for the computer cell and also discuss regarding the issues raised by the Hon'ble Vice-Chancellor in the Bi-Monthly meeting for the months of July-August, 2019 and to finalize the disposal of unserviceable articles from various departments. |
| **20** | 05.10.2019 | The Dean of Agricultural Engineering & Technology, ANGRAU, Lam, Guntur as chaired the meeting and suggested for the proper and efficient utilization of budget provided during 2019-20'<br>To strengthen the library by subscribing more no. of international books and journals<br>To finalize the budget for the adopted village and to strengthen the |

| | | |
|---|---|---|
| | | computer laboratory |
| **21** | 16.11.2019 | To discuss regarding submission of proposals for the BT roads and poly-house shifting in the college<br>To discuss regarding enrolment of first year B.Tech. (Ag. Engg.) students in the Jnanabhoomi portal<br>To discuss regarding conduct of AGRIENGGTECH exhibition in the college<br>To discuss regarding procurement of oil mill, groundnut and spice processing equipment for the ELP activity on agro-processing<br>To discuss regarding UG Regulations 7.3 regarding discontinuation of studies by the students after getting jobs in the middle of academic year |
| **22** | 24.12.2019 | To finalize the final year students projects (SRDY-484)<br>To finalize the teacher in-charges for the various courses during the second semester,2019-20<br>To discuss regarding the budget utilization for the year 2019-20<br>To discuss regarding conduct of special coaching classes for the GATE-2020 |
| **23** | 04.03.2020 | To discuss regarding the points raised by the Hon'ble Vice-Chancellor on Bi-Monthly meeting held on 02-03rd March, 2020<br>To discuss regarding conduct of college day celebrations on 28.03.2020 as per the instructions of Dean of Agricultural Engineering & Technology, ANGRAU |

## 6.5.1.4. Anti-Ragging Cell

To ensure ragging free campus and comfort to the newly admitted students, college level Anti Ragging Committee is constituted every year and information regarding contact details of the committee member are made available to the students through open display on college and hostel notices boards and also on university website the students are sensitized with display of Anti Ragging posters, banners and personal counseling. The committee members interact with student in the college campus and hostel regularly to make institution ragging free (Table 6). Anti ragging sub-committees for boys and girls and sub-committee (day wise) are also constituted separately, to monitor the student activities in the college campus and in hostels also keeps watch on the students to keep the campus ragging free.

**Table 6: Anti - Ragging Committee of the College**

| S.No. | Name of the faculty | ARC |
|---|---|---|
| **1** | Er.Ch. Ratna Raju | Chairman |
| **2** | Er. D. Srigiri | Member |
| **3** | Dr.B.Manjula | Member |
| **4** | Er. D. Vijay Kumar | Member |
| **5** | Dr.G.Murali Krishna | Member |
| **6** | Dr.K. Ashok Kumar | Member |
| **7** | Er. V. Shobhan Naik | Member |
| **8** | Er.N.Ashok Kumar | Member |
| **9** | Er. B.V.Mohan Rao | Member |
| **10** | Smt. K.A.N.R.Manikya Devi | Member |
| **11** | Mr. K. Chandra Babu | Member |
| **12** | Mr. B. Sunil Kumar | Member |
| **13** | Smt. Usha Rani | Member |

| | | |
|---|---|---|
| 14 | Non-Teaching Staff | Members |
| 15 | Students | Members |

The following anti-ragging committee is here by constituted to deal with the menace of ragging in College of Agricultural Engineering, Madakasira premises in view of admission of fresh students of B. Tech. (Ag. Engg.) during the academic year 2019-20. Incidence of ragging will be viewed very seriously, if any incident noticed by the committee, action against the culprits will be initiated as per the existing disciplinary guidelines issued by Honourable Supreme Court of India.

***Anti ragging Squad - I***

1. Chairman Er.Ch. Ratna Raju, Assistant Professor
2. Member Dr.K. Ashok Kumar, Associate Professor
3. Member Dr.B.Manjula, Assistant Professor
4. Member Er. N. Ashok Kumar, Assistant Professor
5. Member Er. B.V.Mohan Rao, Assistant Professor
6. Member Mr. B. Sunil Kumar, Senior Assistant

***Anti ragging Squad - II***

1. Chairman Er. D. Srigiri, Assistant Professor
2. Member Dr.G.Murali Krishna, Associate Professor
3. Member Er. D. Vijay Kumar, Assistant Professor
4. Member Er. V. Shobhan Naik, Assistant Professor
5. Member Mr. K. Chandra Babu, Superintendent
6. Member Smt. Usha Rani, Library Shelf Assistant

***Disciplinary committee***

1. Chairman Er.Ch. Ratna Raju, Assistant Professor
2. Member Er. D. Srigiri, Assistant Professor
3. Member Dr.B.Manjula, Assistant Professor

The anti-ragging squads would make surprise visits to both Girls and Boys hostels round the clock. Awareness programmes on anti-ragging are being organized with the help of Civil Judge, District Judicial Court, Madakasira and Circle Inspector and Sub Inspector of Police, Madakasira. The details of dates of conducting Anti-Ragging Awareness programme is given in Table 7.

**Table 7: Dates of Anti - Ragging Awareness Programmes**

| S.No. | Year | Date of Anti-Ragging Awareness Programme Meeting Conducted |
|---|---|---|
| 1 | 2015-16 | 19-08-2015 |
| 2 | 2016-17 | 28-07-2016 |
| 3 | 2017-18 | 07-08-2017 |
| 4 | 2018-19 | 07-08-2018 and 29-09-2018 |
| 5 | 2019-20 | 20-09-2019 |





**Anti – Ragging Awareness Programme with Junior Civil judge and Circle Inspector Police on 07.08.2018**



**First year student interacted with the Civil Judge and the CI**



**Staff and Students Participated in the Anti-Ragging Awareness Programme**



**Anti – Ragging Awareness with Hon'ble MLA and Circle Inspector of Police during fresher's day celebrations on 20.09.2019**

## 6.5.1.5. Biological Waste Disposal Facility

The proper facilities for disposal of biological wastes of different labs, college, class rooms, research farms and hostel mess wastes are available at the college level. Vermi compost is being prepared with the farm waste. For the waste management of the entire campus, Municipal Corporation, Madakasira is looking after safe disposal of waste generated in the campus. Established Napkin incinerator in the girls hostels for the safe disposal of used Napkins.



**Napkin Incinerator**



**Vermi Compost Unit**

## 6.5.1.6. Institutional Ethics Committee for Experiment on Animals

There is no experiment involving animals in the college. However, the college follows the guidelines of the Ethics Committee constituted by the University under the chairmanship of Dean of Home Science, ANGRAU to deal with the experiments on animals.

## 6.5.1.7. Committee for Prevention of Sexual Harassment of Women at Work Places

The University has established **Women Protection Cell** to deal the issues related to sexual harassment of women vide Memo. No. 3391/SAS/2016 dt. 29.04.2016 and 09.06.2016 of the Registrar, ANGRAU, Lam Guntur to deal with the issues pertaining to sexual harassment of women. The committees constituted at the college level for the year 2016-17, 2017-18 and 2018-19 is given in Table 8, 9 and 10. Also National Commission for Women (NCW), New Delhi is providing funds (Rs. 28,000/- per annum) to create awareness on laws related to women and towards conduct of quiz competition among the students and staff on following laws related to women. The details of Proceedings with dates and list of winners in quiz competition on "Awareness about Legal rights of Women" is presented in Table 11, 12, 13 and 14.

- The Immoral Traffic (Prevention) Act, 1956
- The Dowry Prohibition Act, 1961 (28 of 1961) (Amended in 1986)
- The Indecent Representation of Women (Prohibition) Act, 1986
- The Commission of Sati (Prevention) Act, 1987 (3 of 1988)
- Protection of Women from Domestic Violence Act, 2005
- The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013
- The Criminal Law (Amendment) Act, 2013

**Table 8: Women Protection Cell Committee, 2016-17**

| SI. No. | Name of the Staff member | Designation |
|---|---|---|
| 1. | Dr. B. Manjula, Assistant Professor | Chairman |
| 2. | Smt. B. Veera Kumari, Administrative Officer | Member |
| 3. | Smt. Ahalya Bai, Superintendent | Member |

**Table 9: Women Protection Cell Committee, 2017-18**

| SI. No. | Name of the Staff member | Designation |
|---|---|---|
| 1. | Dr. B. Manjula, Assistant Professor | Chairman |
| 2. | Smt. B. Veera Kumari, Administrative Officer | Member |
| 3. | Smt. Ahalya Bai, Superintendent | Member |

**Table 10: Women Protection Cell Committee, 2018-19**

| SI. No. | Name of the Staff member | Designation |
|---|---|---|
| 1. | Dr. B. Sarojini Devi, Professor | Chairman |
| 2. | Dr. B. Manjula, Assistant Professor | Member |
| 3. | Smt. K.A.N.R. Manikya Devi, Administrative Officer | Member |

**Table 11: Details of Proceedings with dates and Date of Conduct of Meetings on Prevention of Sexual Harassment of Women at Workplaces**

| SI. No. | Proceeding No.and Date | Year | Date of the meeting |
|---|---|---|---|
| **1.** | Proc.No/CAE/MDKS/WPC/2016 dt.05.7.2016 | 2016-17 | 30.06.2016 |
| **2.** | Proc.No/CAE/MDKS/WPC/2017, dt.06.11.2017 | 2017-18 | 30.10.2017 |
| **3.** | Proc.No/CAE/MDKS/WPC/2018, dt.23.12.2018 | 2018-19 | 19.12.2018 |

**Table 12: Proceedings of Women Protection Cell meetings**

| S.No. | Year | Proceedings brought out |
|---|---|---|
| **1.** | 2016-17 | Created awareness programme on following legal rights of women:<br>• The Immoral Traffic (Prevention) Act, 1956<br>• The Dowry Prohibition Act, 1961 (28 of 1961) (Amended in 1986)<br>• The Indecent Representation of Women (Prohibition) Act, 1986<br>• The Commission of Sati (Prevention) Act, 1987 (3 of 1988)<br>• Protection of Women from Domestic Violence Act, 2005<br>• The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013<br>• The Criminal Law (Amendment) Act, 2013 |
| **2.** | 2017-18 | Created awareness programme on following legal rights of women:<br>• The Immoral Traffic (Prevention) Act, 1956<br>• The Dowry Prohibition Act, 1961 (28 of 1961) (Amended in 1986)<br>• The Indecent Representation of Women (Prohibition) Act, 1986<br>• The Commission of Sati (Prevention) Act, 1987 (3 of 1988)<br>• Protection of Women from Domestic Violence Act, 2005<br>• The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013<br>• The Criminal Law (Amendment) Act, 2013<br>Conducted test on above laws and distributed prizes to the winners in test (list is enclosed).. |
| **3.** | 2018-19 | Created awareness programme on following legal rights of women: |

| | | | |
|---|---|---|---|
| | | | • The Immoral Traffic (Prevention) Act, 1956<br>• The Dowry Prohibition Act, 1961 (28 of 1961) (Amended in 1986)<br>• The Indecent Representation of Women (Prohibition) Act, 1986<br>• The Commission of Sati (Prevention) Act, 1987 (3 of 1988)<br>• Protection of Women from Domestic Violence Act, 2005<br>• The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013<br>• The Criminal Law (Amendment) Act, 2013<br>Conducted test on above laws and distributed prizes to the winners in test (list is enclosed). |





**College Level Competition to Girls on "To create Awareness about Legal Rights of Women" funded by National Commission for Women, New Delhi, India on 30.10.2017**

**Table 13: List of students winners (girls) in Competition on "Awareness about Legal Rights of Women" during 2017-18 on 30.10.2017**

| S. No. | Name of the Student | ID Number | Year | Prize | Prize amount (Rs.) |
|---|---|---|---|---|---|
| 1. | T. Sravani | ME 2015-024 | 3rd | **1st** | 2000/- |
| 2. | V. Netra | ME 2014-014 | 4th | **2nd** | 1500/- |
| 3. | N. Leelavathi | ME/2016-021 | 2nd | **3rd** | 1000/- |
| 4. | Manasa Lakshmi Durga. R | ME/2017-016 | 1st | | 1000/- |
| 5. | S. Farida Begum | MED 2016-030 | 3rd | | 1000/- |
| 6. | K. Madhavi | ME 2015-014 | 3rd | | 1000/- |
| 7. | A. K. Rekha | ME/2016-028 | 2nd | | 1000/- |



**College Level Competition to Girls on "To create Awareness about Legal Rights of Women" funded by National Commission for Women, New Delhi, India on 19.12.2018**

**Table 14: List of students winners (girls) in Competition on "Awareness about Legal Rights of Women" during 2018-19 on 19.12.2018**

| S.No | Name of the student | I.D.No. | Year | Prize | Prize Amount (Rs) |
|---|---|---|---|---|---|
| 1 | K.Sandhya Rani | ME-16-030 | III | 1st | 2000/- |
| 2 | T.Sravani | ME-15-024 | IV | 2nd | 1500/- |
| 3 | N.Leelavathi | ME-16-021 | III | 3rd | 1000/- |
| 4 | P.Chinna vani | BEM-17-011 | II | | 1000/- |
| 5 | M.Hemalatha | ME-17-007 | II | | 1000/- |
| 6 | T.Chandrika | ME-15-007 | IV | | 1000/- |
| 7 | S.Khyathi | ME-18-037 | II | | 1000/- |

## 6.5.2. Faculty

The college has well qualified competent faculty to accomplish the mission and goals of the college and to contribute towards effective teaching and student learning outcomes. The details of the faculty are given below.

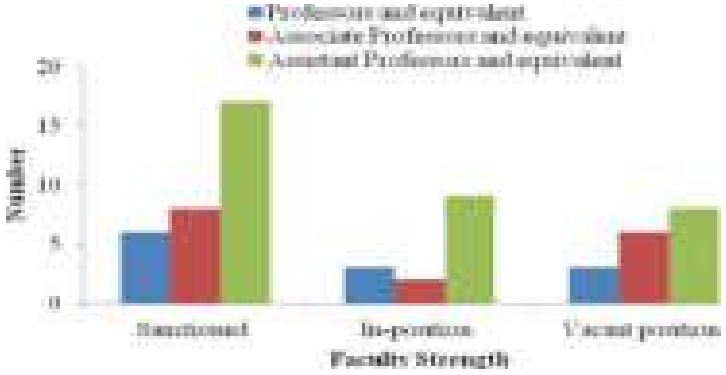
### 6.5.2.1. Faculty Strength

The faculty strength both sanctioned and in-position at the college is given in Table 15.

**Table 15: Faculty Strength in the College**

| S.No. | Faculty | Sanctioned | In-position | Vacant position |
|---|---|---|---|---|
| 1 | Professors and equivalent | 06 | 03 | 03 |
| 2 | Associate Professors and equivalent | 08 | 02 | 06 |
| 3 | Assistant Professors and equivalent | 17 | 09 | 08 * |
| | **Total** | **31** | **14** | **17** |

* 4 Part - time teachers were engaged against the vacant posts of Assistant Professors to deal Basic Engineering and Applied Sciences. A total of 14 faculty members (Regular) and 4 Part - time teaches are working in the college which meets the requirement of ICAR recommendations (Figure).




**Faculty Strength in the College**

## 6.5.2.2. Faculty Profile

The faculty of the college is well qualified with 05 faculty members having Ph.D. degree and 08 are having master's degree. The department wise highest qualification of the faculty is given in Table 17. The department wise composition of the faculty engaged in the college is shown in Table 18.

**Table 16: Department-wise Faculty Strength**

| S.No. | Department | Professor | | | Associate Professor | | | Assistant Professor | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SS | IP | VP | SS | IP | VP | SS | IP | VP |
| 1 | Farm Machinery & Power | 01 | 00 | 01 | 02 | 00 | 02 | 04 | 02 | 02 |
| 2 | Soil and Water Engineering | 01 | 01 | 00 | 01 | 00 | 01 | 02 | 01 | 01 |
| 3 | Agriculture Process and Food Engineering | 01 | 00 | 01 | 02 | 00 | 02 | 03 | 01 | 02 |
| 4 | Irrigation and Drainage Engineering | 01 | 01 | 00 | 01 | 01 | 00 | 02 | 02 | 00 |
| 5 | Agriculture Structures | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 00 | 01 |
| 6 | Agro-Energy | 01 | 00 | 01 | 01 | 00 | 01 | 02 | 02 | 00 |
| 7 | Basic Engineering & Applied Sciences | 00 | 00 | 00 | 01 | 01 | 00 | 01 | 00 | 01 |
| | Agronomy | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 00 | 01 |
| | Statistics & Mathematics | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 01 | 00 |

SS – Sanctioned Strength IP – In-position VP- Vacant Position

**Table 17: Department-wise Faculty Qualifications**

| S.No. | Department | Ph.D. | M.Tech. |
|---|---|---|---|
| 1 | Farm Machinery & Power | - | 02 |
| 2 | Soil and Water Engineering | 01 | 01 |
| 3 | Agriculture Process and Food Engineering | 01 | |
| 4 | Irrigation and Drainage Engineering | 02 | 02 |
| 5 | Agriculture Structures | - | - |
| 6 | Agro-Energy | - | 02 |
| **Basic Engineering & Applied Sciences** | | | |
| 1 | Agronomy | 01 | - |
| 2 | Statistics & Mathematics | 00 | 01 |
| | **Total** | **05** | **08** |

**Table 18: Department-wise Faculty Composition**

| S.No. | Department | Professor | | | | Associate Professor | | | | Assistant Professor | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Within the State | | Outside of the State | | Within the State | | Outside of the State | | Within the State | | Outside of the State | |
| | | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| 1 | Farm Machinery & Power | - | - | - | - | - | - | - | - | 01 | 50 | 01 | 50 |
| 2 | Soil and Water Engineering | - | - | 01 | 100 | - | - | - | - | - | - | 01 | 50 |
| 3 | Agriculture Processing and Food Engineering | - | - | - | - | - | - | - | - | - | - | 01 | 33 |
| 4 | Irrigation and Drainage Engineering | - | - | 01 | 100 | - | - | 01 | 100 | 02 | 100 | - | - |
| 5 | Agriculture Structures | - | - | - | - | - | - | - | - | - | - | - | - |
| 6 | Agro-Energy | - | - | - | - | - | - | - | - | - | - | 02 | 100 |
| 7 | Basic Engineering & Applied Sciences | - | - | - | - | - | - | 01 | 100 | - | - | - | - |
| 8 | Agronomy | - | - | - | - | - | - | - | - | - | - | - | - |
| 9 | Statistics & Mathematics | - | - | - | - | - | - | - | - | - | - | 01 | 100 |
| | **Total** | **-** | **-** | **02** | **100** | **-** | **-** | **02** | **100** | **03** | **75** | **06** | **56** |

The courses and Student READY programmes related to Agricultural Engineering Disciplines (Farm Machinery and Power Engineering, Processing and Food Engineering, Irrigation and drainage Engineering, Soil and Water Conservation Engineering, Renewable Energy Engineering) are taught by the faculty from the respective departments, Total of 30 courses are offered to B.Tech (Ag. Engg.) students from the above disciplines and 14 faculty members are engaged to teach the above courses. The courses related to agricultural and basic sciences are taught by the faculty from Basic Engineering and Applied Sciences department. Total of 29 courses are offered to B.Tech. Students from these disciplines and 2 faculty members (Regular) and 4 Part-time teachers are engaged to teach Basic Engineering and Applied Sciences courses. Apart from the teaching, all the faculty members are engaged in research and extension activities as well. The present faculty strength and profile is sufficient to meet the academic requirement of the college.

## 6.5.2.3. Credentials of the Faculty

The university has employed well qualified competent faculty to accomplish the mission and goals of the college and to contribute towards effective teaching and student learning outcomes. The qualification, experience and specific achievement of faculty are given in Table 19. The research publications / Book chapters/Booklets/Course Manuals are given in Table 20, 21, 22, 23 and 24.

**Table 19: Details of Faculty in the College**

| S.No. | Name and Designation | Highest Qualification | Total Experience | Achievements |
|---|---|---|---|---|
| | **Farm Machinery & Power** | | | |
| 1. | Er. D. Vijay Kumar, Assistant Professor | M.Tech. | 7 Years | Served as Co-PI in RKVY project<br>Served as chairman to the B.Tech. (Ag. Engg.) & M.Tech. student projects<br>Published 4 International papers, 7 National papers |
| 2. | Er. D. Srigiri, Assistant Professor | M.Tech. | 2 Years | Served as chairman to the B.Tech. (Ag. Engg.) student projects<br>Published 2 National papers |
| 3. | Er. V. Sobhan Naik, Assistant Professor | M.Tech. | 2 Years | Served as chairman to the B.Tech. (Ag. Engg.) student projects<br>Published 1 National paper |
| | **Soil and Water Engineering** | | | |
| 4. | Dr. T.V. Satyanarayana, Professor & Head | Ph.D. | 33 Years | Served as Dean of Agricultural Engineering & Technology and Registrar, ANGRAU<br>Visited Germany, USA, Singapore |
| 5. | Er. N. Ashok Kumar, Assistant Professor | M.Tech. | 7 Years | Served as chairman to the B.Tech. (Ag. Engg.) student projects |
| | **Agriculture Processing and Food Engineering** | | | |
| 6. | Dr. P.V.K. Jagannadha Rao, Associate Dean & University Head | Ph.D. | 26 Years | Four (4) patents were filed. 1 patent was granted and 3 patents are being under progress.<br>Worked as Sectorial Principal Investigator for research work on Jaggery. Handled 1 NATP (CGP), Project and 1 NATP (RRPS-24) Projects.<br>Received Ugadi Puraskaralu (State Best Research Scientist Award)<br>Rashtriya Gaurav Award<br>VIFRA Outstanding Research Scientist Award<br>Dr.I.V.Subba Rao Rythu Nestham Purakshram<br>The Best Citizens of India Award<br>Meritorious Research Scientist Award<br>Sri. Konathala Ramunaidu B.Com., Memorial Prize and Best Research Officer.<br>Published 6 International papers, 38 National papers, 4 book chapters, 8 review articles, 3 booklets, 14 pamphlets and 45 popular articles.<br>Guided 7 M.Tech students as a chairman |

| | | | | |
|---|---|---|---|---|
| 7. | Dr. B. Manjula, Assistant Professor | Ph.D. | 6 Years | Received CSIR-SRF Scholarship for Ph.D. research<br>Patent published on "A process for manufacturing of blended fruit squash with prickly pear (*Opuntia ficus indica* & *opuntia dillenii*) fruit juice and lemon juice"<br>Served as chairman to the B.Tech. (Ag. Engg.) student projects<br>Published 3 International papers, 7 National papers |
| | **Irrigation and Drainage Engineering** | | | |
| 8. | Dr. B. Sarojini Devi, Professor & Head | Ph.D. | 21 Years | Served as chairman to the B.Tech. (Ag. Engg.) student projects<br>Guided 2 M.Tech. students |
| 9. | Dr. G. Muralee Krishna, Associate Professor | Ph.D. | 19 Years | Best Research Scientist award<br>Published 2 International papers, 7 National papers<br>Guided 2 M.Tech students |
| 10. | Er. B.V.Mohana Rao, Assistant Professor | M.Tech. | 6 Years | Served as chairman to the B.Tech. (Ag. Engg.) student projects |
| 11. | Er.Ch.Ratna Raju, Assistant Professor | M.Tech. | 2 Years | Served as chairman to the B.Tech. (Ag. Engg.) student projects |
| | **Agro-Energy** | | | |
| 12. | Er.A.Srinivas Rao, Assistant Professor | M.Tech. | 7 Years | Served as chairman to the B.Tech. (Ag. Engg.) & M.Tech. student projects |
| | **Basic Engineering & Applied Sciences** | | | |
| 13. | Dr. K. Ashok Kumar, Associate Professor & Head | Ph.D. | 12 Years | VIFRA Outstanding Research Scientist Award<br>Served as chairman to the B.Tech. (Ag. Engg.) & M.Tech. student projects<br>Published 8 International papers, 11 National papers |
| 14. | Smt.P. Sumathi, Assistant Professor | M.Sc., M.Phil. | 11 Years | Served as co-chairman to the B.Tech. (Ag. Engg.) student projects |

**Table 20: Number of Publications**

| Year | Number of publications | | | | | |
|---|---|---|---|---|---|---|
| | **Research papers** | **Extension** | **Books** | **Manual** | **Others** | **Total** |
| **2013** | 02 | 1 | - | 1 | 1 | 05 |
| **2014** | 05 | 1 | 1 | 15 | 1 | 23 |
| **2015** | 05 | 3 | 3 | 8 | 3 | 22 |
| **2016** | 09 | 5 | 1 | 13 | 1 | 29 |
| **2017** | 06 | 7 | 1 | 7 | 2 | 23 |
| **2018** | 17 | - | - | - | 1 | 18 |
| **2019** | 02 | - | - | 09 | 1 | 12 |

**Table 21: Publications of the Teaching Staff**

| Sl. No. | Authors | Year | Title of the paper | Name of the journal | Vol. Issue and page no. |
|---|---|---|---|---|---|
| 1 | **D.Vijay Kumar**, B.HariBabu, K.V.S.Rami Reddy, M.Madhava and K.Madhusudhana Reddy | 2013 | Development and Performance Evaluation of Paddy Seeding Device for Mat Nursery | The Andhra Agricultural Journal | 60(2): 409-414 |
| 2 | K.Madhusudhana Reddy, **D.Vijay Kumar**, B.Ravindranatha Reddy, B.Sahadeva Reddy and V.MunaSwamy | 2013 | Performance Evaluation of Groundnut Digger Shaker cum Windrower | The Andhra Agricultural Journal | 60(2): 433-437 |
| 3 | **Manjula, B.,** Visvanathan, R., Varadharaju, N., Kasthuri, R. and Malathi, D | 2014 | Effect of extrusion process parameters on physical, functional and textural properties of broken rice-foxtail millet-maize based extrudates | Madras Agricultural Journal | 101(1-3) |
| 4 | **G.Muralee krishna** , I Muthuchamy | 2014 | Estimation of crop water requirement for multiple crops in the Lower Bhavani Project command of Tamil Nadu using Aqua Crop 4.0 water productive model | Trends In Biosciences | 7(19): 3057-3063 |
| 5 | **G.Muralee krishna** , I Muthuchamy | 2014 | Use of 'Easy Fit Software for Probability Analysis of Rainfall of Lower Bhavani Project command, Tamil Nadu | Trends In Biosciences | 7(19): 3053-3056 |
| 6 | K. Madhusudhana Reddy, **D. Vijay Kumar**, B. Ravindranatha Reddy, B. Sahadeva Reddy, G. Aravind Reddy, V. Munaswamy | 2014 | Design and Development of Herbicide Spraying Technology while in Sowing for Groundnut | Progressive Agriculture - An International Journal | 15(1): 21-27 |
| 7 | K. Madhusudhana Reddy, **D. Vijay Kumar,** B. Ravindranatha Reddy, B. Sahadeva Reddy, G. Aravind Reddy, V. Munaswamy | **2014** | **Development and Performance Evaluation of Bullock Drawn Groundnut Planter for Winter-summer Sowing** | **Progressive Agriculture - An International Journal** | **15(1): 48-53** |
| 8 | B. Ashwin Kumar, **P.V.K.Jagannadha Rao**, M. Madhava and L. Edukondalu | 2015 | Physical properties of three maize varieties | The Andhra Agricultural Journal | 62(2):440-446 |
| 9 | P.Munirathnam and | 2015 | Response of white ragi | Annals of Plant | 17(2): |

| | | | | | |
|---|---|---|---|---|---|
| | **K.Ashok Kumar** | | varieties to nitrogen under rainfed situation in vertisols of Andhra Pradesh | and Soil Research | 142-145. |
| **10** | P.Munirathnam, V.Jayalakshmi, **K.Ashok Kumar** and Y.Padmalatha | 2015 | Suitability of Chickpea 'NBeG47' for mechanical harvesting under rainfed condition | Journal of Food Legumes | 28(2): 64-66 |
| **11** | A. S. R. Sarma, Y. Rama Reddy, **K.Ashok Kumar** and Y. Padmalatha | 2015 | Seasonal dynamics of insect pests of cotton in scarce rainfall zone of Andhra Pradesh | Journal of Insect Science | 28(1): 53-57 |
| **12** | **K.Ashok Kumar,** S.Neelima, P.Madhusudhan, K.Venkataramanamma, P.Munirathnam and Y.Padmalatha | 2015 | Scaling up of sunflower productivity through improved component technology in Kurnool district of Andhra Pradesh | Journal of Oilseeds Research | 32(2): 167-169 |
| **13** | **P.V.K. Jagannadha Rao** and P. Sreedevi | 2016 | Performance feasibility and Economic viability of Sugarcane Budchip seedling planter in Andhra Pradesh, India | Journal of Sugarcane Research | 6(2):1-7 |
| **14** | K.Venkataramanamma, S.Neelima , **K.Ashok Kumar** and A.Vishnuvardhan Reddy | 2016 | Screening of sunflower germplasm for Alternaria leaf spot and powdery mildew diseases under field conditions | Bio- infolet | 13(3): 460-463. |
| **15** | K.Venkataramanamma, S.Neelima and **K.Ashok Kumar** | 2016 | Management of important diseases of sunflower under field conditions | Andhra Pradesh journal of Agricultural Sciences | 2(3): 232-237. |
| **16** | S.Neelima , **K.Ashok Kumar,** K.Venkataramanamma and Y.Padmalatha | 2016 | Genetic variability and genetic diversity in sunflower | Electronic Journal of Plant Breeding | 7(3): 703-707 |
| **17** | K.Venkataramanamma, S.Neelima, B.Yogeeswarudu, **K.Ashok Kumar,** and S Sukumar | **2016** | Management of sunflower powdery mildew disease by bioagents and fungicides | **Indian Journal of Plant Protection** | **44(4): 453-456** |
| **18** | Ratna Raju Ch., Satyanarayana, T.V., Yogitha P and **Mohana Rao, B.V.** | 2016 | Identification of saline, alkali and water logged areas in Srisailam right bank canal | International journal of Agricultural Sciences | 8:2825-2826 |
| **19** | G.Gayathri, K.V.Harshanjali, K.Krupavathi, **D.Vijay Kumar**, G.Senthil Kumaran, A.CarolinRathinaKumari and M.V.Ramana | 2016 | Design, Development and Evaluation of a Manually Operated Onion Grader for Rose onion | International Journal of Agricultural Engineering | 9(2): 121 – 129 |
| **20** | K. Madhusudhana | 2016 | Economic and Efficient Water | Progressive | 11 |

| | | | | | |
|---|---|---|---|---|---|
| | Reddy, B. Sahadeva Reddy **D. Vijay Kumar** and B. Ravindranatha Reddy | | Lifting Devices for Farmponds in Scarce Rainfall Zone of Andhra Pradesh | Research – An International Journal | (Special IX): 6064-6065 |
| **21** | K. Madhusudhana Reddy, **D.Vijay Kumar**, B. Sahadeva Reddy and M.V.Ramana | 2016 | Design and Development of Low HP Tractor Drawn Inclined Plate Groundnut Planter | The Journal of Research ANGRAU | XLV(1): 39-45 |
| **22** | **P.V.K. Jagannadha Rao**, Madhusweta Das and S.K.Das | 2017 | Effect of anti-caking agents on moisture sorption isotherms of palymra –palm jaggery granules | International journal of Processing and Post Harvest Technology | 8(2):113-122 |
| **23** | B.Madhu, S.Patel, **P.V.K. Jagannadha Rao** and P. Sreedevi | 2017 | Accelerated storage and Shelf-life of Whey protein concentrate and gum arabic coated solid jaggery. | International journal of Processing and Post Harvest Technology | 8(2):59-68 |
| **24** | P.Madhusudhan, Y.Narasimhudu, **K.Ashok Kumar**, S.Neelima and A.S.R.Sharma | 2017 | Management of sunflower powdery mildew using fungicide | International Journal of Current Microbiology and Applied Sciences | 6(7): 1261-1264 |
| **25** | **Manjula, B.,** Aruna, R., Prasanna, N. Sai and Ramana, C | 2017 | Studies on physical and bio-chemical analysis of value added products developed from tamarind pulp | Internat. J. Proc. & Post Harvest Technol | 8 (2) : 99-103 |
| **26** | M.Nagajyothi,G. **Muralee Krishna**, | 2017 | Comparative study of different intra row spacings of mechanized rice transplanting in fields of Chittor district | International Journal of Agricultural Engineering | 10: 526-530 |
| **27** | **K. Madhusudhana Reddy, B. Ravindranatha Reddy, D.Vijay Kumar and B. Sahadeva Reddy** | **2017** | **Development and Performance Evaluation of Aqua planter for Groundnut.** | **The Andhra Agricultural Journal** | **J 65 (spl):64-68** |
| **28** | B.Madhu, S.Patel, **P.V.K. Jagannadha Rao** and P. Sreedevi | 2018 | Use of edible coatings to increase the shelf life of jaggery | International Journal of Current Microbiology and Applied Sciences | 7(6), 2466-2479 |
| **29** | M.Padma, **P.V.K. Jagannadha Rao,** L.Edukondalu, G. Ravi Babu and K.Aparna | 2018 | Physico-Chemical Analysis of Milk prepared from broken rice | International Journal of Current Microbiology and Applied Sciences | 7(2), 1-13 |
| **30** | B.Pravallika, S.Patel, | 2018 | Development and optimization | International | 7(9), |

| | | | | | |
|---|---|---|---|---|---|
| | **P.V.K.Jagannadha Rao**, and P.Sreedevi | | of jaggery based cold extruded products | Journal of Current Microbiology and Applied Sciences | 2950-2962 |
| **31** | P.Sreedevi and **P.V.K.Jagannadha Rao** | 2018 | Performance of tractor operated two row sugarcane cutter planter for sugarcane planting in Andhra Pradesh, India | International Journal of Agricultural Engineering | 11 (2), 353-358 |
| **32** | P. Sreedevi, **P.V.K.Jagannadha Rao**, K V R Murthy and J Krishna Prasad ji | 2018 | Development of process technology to prepare jiggery tablets from granular jaggery | The Andhra Agricultural Journal | 65 (Spl.), 416-421 |
| **33** | B.Madhu, **P.V.K.Jagannadha Rao**, S.Patel and P.Sreedevi | 2018 | Optimization of process parameters for application of edible coating over solid jggery | The Andhra Agricultural Journal | 65 (Spl.), 384-390 |
| **34** | K. Nagamani, **P.V.K. Jagannadha Rao,** D. Smith and G. Ravi Babu | 2018 | Effect of Storage on Quality Parameters of Bottled Sugarcane Juice | The Andhra Agricultural Journal | 65(3):644-649 |
| **35** | **K. Ashok Kumar**, DK Swain, Pallavi and BC Ghosh | 2018 | Effect of organic and inorganic nutrient management on soil nutrient dynamics and productivity of rice-chickpea system in lateritic soil | Organic Agriculture | 8(1): 15-18 |
| **36** | **K. Ashok Kumar**, DK Swain, and PBS Bhadoria | 2018 | Split application of organic nutrient improved productivity, economics of rice-chickpea production system in lateritic soil | Field Crops Research | 223: 125-136 |
| **37** | **S.Neelima, K.Ashok Kumar, K.Venkataramanamma and V.Jayalakshmi** | **2018** | **NDSH 1012 (Prabhat): A high seed yield and high oil content sunflower hybrid suitable for Andhra Pradesh** | **Journal of Oilseeds Research** | **35(1): 98-101** |
| **38** | **B.Manjula** and R. Visvanathan | 2018 | Rheology of Cooking of Broken Rice Flour Paste for Vadam Preparation | Agricultural Engineering Today | 42(3):50-55 |
| **39** | **B.Manjula** and R. Visvanathan | 2018 | Effect of Cooking Temperature on Sun Drying and Quality Attributes of Broken Rice based Traditional Snack Food (Vadam) | Agricultural Engineering Today | 42(1):6-14 |
| **40** | Aruna R, **Manjula B,** Penchalaraju M and Chandrika C | 2018 | Effect of fenugreek seed mucilage on physicochemical properties of Mosambi fruit juice | Journal of Pharmacognosy and Phytochemistry | 7(1): 1887-1890 |
| **41** | J. Trivikrama Raju , **G. Muralee Krishna**, | 2018 | Water Requirement and Deficit Irrigation of Capsicum Crop | International Journal of | 7(7): 2533-2538 |

| | | | | | |
|---|---|---|---|---|---|
| | H.V. Hema Kumarand P. Sumathi | | using Fixed Irrigation Intervals to Crop Stage under Poly House | Current Microbiology and Applied Sciences | |
| **42** | M.Nagajyothi,, **G. Muralee Krishna**, M.V. Ramana | 2018 | Evolution of alternate filling materials replace to the soil media for raising nursery seedlings in fields of Chittoor district | International Journal of Agricultural Engineering | 11:220-226 |
| **43** | **Ashokkumar, N.,** Ramana, M.V., M. Raghu Babu P. Prasuna Rani and B.Ravindra Reddy | 2018 | Available Water Resources in Anatapur District- a case study | The Andhra Agricultural Journal | 65: 320-323 |
| **44** | D. Uma Bai, **B. Sarojini Devi**, H.V. Hema Kumar and P. Sumathi | 2018 | Evaluation of the Hydrological Drought Using Groundwater Resource Index in the Anantapuramu district, Andhra Pradesh | Int.J.Curr.Microbiol.App.Sci | 7(8): 1525-1533 |
| **45** | B.Madhu, S.Patel, **P.V.K. Jagannadha Rao** | 2019 | Moisture sorption isotherms of edible coated solid sugarcane jaggery | Sugar Tech | 21 |
| **46** | M.Baby, **G. Muralee Krishna** | 2019 | Effect of Drip fertigation on Growth, Yield, Water and Fertilizer use efficiency of onion in red loamy soils of Anantapuram District | International Journal of Chemical Studies | 7(4): 987-994 |

**Table 22: Book Chapters/Books published by the Teaching staffs**

| S.No. | Authors | Year | Title of the publication | Nature of the publication |
|---|---|---|---|---|
| 1. | **Dr.P.V.K.Jagannadha Rao** | 2015 | Mechanization in sugarcane for remunerative crop production | Book chapter in a book on "Sugarcane cultivation – Technical knowledge" published by M/s .I.D.Parry (India) Ltd., Sankili on 28-5-2015, pg 102-103. |
| 2. | **Dr.P.V.K.Jagannadha Rao** Er.P.Sreedevi | 2015 | Mechanization of sugarcane planting through budchip / single node | Book chapter in a Book on Management of sugarcane crop through budchip / single node. |
| 3 | **Dr.P.V.K.Jagannadha Rao** Er.P.Sreedevi, Dr.S.N.Jha Dr.K.Veerabhadra Rao Dr.M.Bharat Lakshmi Dr.K.Ramalinga Swamy | 2015 | 100 years of jaggery research at RARS, Anakapalle | Book |

| | | | | |
|---|---|---|---|---|
| 4 | **Dr.P.V.K.Jagannadha Rao** Er.P.Sreedevi,Dr.S.N.Jha Dr.K.Veerabhadra Rao Dr.N.Venugopala Rao | 2016 | Jaggery Research in India | Book |
| 5 | **Dr.P.V.K.Jagannadha Rao,** K.P.Sudheer & V. Indira | 2017 | Entrepreneurship development in Jaggery Processing. | Book Chapter in Entrepreneurship development in Food Processing. New India Publishing Agency, New Delhi-110 034, (ISBN: 978-93-86546-73-9), P.No: 217-240. |

**Table 23: Booklets Prepared by the Teaching Staff**

| S.No. | Authors | Year | Title of the publication |
|---|---|---|---|
| 01 | Er.P.Sreedevi **Dr.P.V.K.Jagannadha Rao** Dr.K.Veerabhadra Rao Dr.N.Venugopala Rao | 2015 | Mechanization for different crops in North Coastal zone and value added products of jaggery. |
| 02 | **Dr.P.V.K.Jagannadha Rao** Er.P.Sreedevi Dr.M.Bharat Lakshmi Dr.K.Veerabhadra Rao | 2015 | Mechanization in Sugarcane cultivation |
| 03 | **Dr.P.V.K.Jagannadha Rao** Er.P.Sreedevi R.S.L.K.M.Prasad Dr. M. Bharat Lakshmi Dr.N.Venugopala Rao | 2017 | "Modern processing methods to prepare jaggery and its value added products" |

**Table 24: Course Manuals Prepared by the Teaching Staff**

| Sl. No. | Course No. | Course Title | Credit hrs | Name of the Teacher |
|---|---|---|---|---|
| 1 | DAE211 | Agricultural Implements | 3 (2+1) | Er. V. Shobhan Kumar, CAE, MDKS |
| 2 | DAE313 | Farm Power, Solar, Wind and Bio-Energy | 2 (1+1) | Er. V. Shobhan Kumar /Dr. Manjula, CAE, MDKS |
| 3 | DAE311 | Tractor systems, Operation and Maintenance | 3 (2+1) | Er. D. Giri, CAE, MDKS |
| 4 | DAE321 | Greenhouse Technology | 2 (1+1) | Dr. P V K Jaganatha Rao, CAE, MDKS |
| 5 | DAE131 | Wells and Pumps - Operation and Maintenance | 1 (0+1) | Er. Ch. Ratna Raju, CAE, MDKS |
| 6 | DAE231 | Soil and Water Conservation Engineering & Practices | 2 (1+1) | Dr. G. Murali Krishna, CAE, MDKS |
| 7 | DAE232 | On-Farm Irrigation and Drainage Practices | 3 (1+2) | Er.N. Ashok Kumar, CAE, MDKS |
| 8 | DAE234 | Micro Irrigation | 3 (1+2) | Dr. B Sarojini Devi, CAE, |

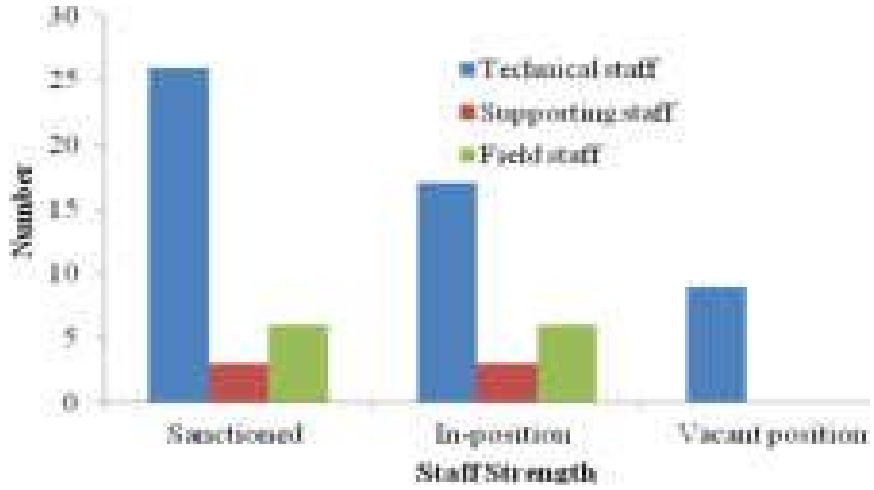
| | | | | |
|---|---|---|---|---|
| | | Principles and Practices | | MDKS |
| 9 | DAE243 | Principles of Thermodynamics and Heat Engines | 2 (1+1) | Dr. D. Vijaya Kumar, CAE, MDKS |

## 6.5.2.4. Technical and Supporting Staff

The college has appointed sufficient technical/laboratory/farm staff/supporting staff to cater the need of students practical and field experiments. The strength of the technical and supporting staff in the college is given in Table 25.

**Table 25: Technical and Supporting Staff Strength in the College**

| S.No. | Faculty | Sanctioned | In-position | Vacant position |
|---|---|---|---|---|
| 1 | Technical staff | 26 | 17 | 09 |
| 2 | Supporting staff | 03 | 03 | 0 |
| 3 | Field staff | 06 | 06 | 0 |
| | **Total** | **35** | **26** | **09** |




**Technical and Supporting Staff Strength in the College**

Technical staff includes Electrician, Mechanic Gr. I, Mechanic Gr. II, Mechanic Gr. III, carpenter Gr.I, Welder, Blacksmith, Turner, Workshop helper, Plumber and Agriculture workman. The details of Departments wise distribution of Teaching, Technical and Supporting Staff is given in Table 26.

**Table 26: Technical and Supporting Staff of College**

| Sl. No. | Department | Teaching staff | Technical Staff | Supporting staff |
|---|---|---|---|---|
| 1. | Farm Machinery and Power Engg. | Er. D. Vijay Kumar | P. Imran | M.N. Nagaraju |
| | | Er. Srigiri | D. Gangadhara | |
| 2. | Processing and Food Engineering | Dr. P.V.K. Jagannadha Rao | N. Naresh Babu | K. Sujathamma |
| | | Dr. B. Manjula | | |
| | | | S. Shreen | |
| | | Er. Pooja M.R | | |
| 3. | Irrigation and drainage Engineering | Dr. B. Sarojini Devi | C.L. Lingaraju | S. Ranga Lakshmamma |
| | | Dr. G. Muralee Krishna | | |
| | | Er. Ch. Ratna Raju. | | |
| 4. | Soil and Water Conservation Engineering | Dr. T.V. Satyanarayana | N. Raj Kumar | B. Sriramappa |
| | | Er. N. Ashok Kumar | | |
| | | Er. B.V. Mohana Rao | | |
| 5. | Renewable Energy Engineering | Er. A. Srinivasa Rao | E. Chandrashekar | K.N. Narasimha Murthy |
| | | | | |
| 6. | Basic Engineering | Er. Shoban Naik | B. Obulappa | G. Narsamma |
| | | P. Hema Sundari | | |
| 7. | Applied Sciences | Dr. K. Ashok Kumar | M. Saraswathi | K. Somashekar |
| | | Smt. P. Sumathi | | |

## 6.5.3. Learning resources

The college has sufficient learning resources for the students. Details are given below.

## 6.5.3.1. College Library

The Library and information services play a vital role in supporting high quality education and learning environment amongst students, faculty members and post-graduate scholars. The College has a separate block for Library. The Library has a good collection of 6368 General Books; apart from these there are 63 thesis (Dissertations of the fourth year B.Tech. (Ag. Engg.) students) details is given Table 27, Reports (Annual, seminars of ANGRAU and research reports etc.) are 59, total no. of journals (Indian and Foreign) for the year 2019 are 20 and 129 books allocated exclusively for SC and ST students. To facilitate the students writing Competitive Examinations GRE, GMAT, TOEFL, CAT, General Studies, Computer Books with CD's and different Dictionaries (Telugu to English and English to English), Hand books, Annual reports, and World Atlas are available in the library. Apart from these, there are wide variety of Telugu and English daily news papers and popular weekly and monthly magazines like Rythunestham, Annadata, TIME, Competition Affairs are also being kept for students general reading.

The issues and returns of library books are strictly on library card basis. The CAE Library is equipped with a good Xerox machine and 2 New Computers. Internet facility is available for the students during the library timings.

Conducted the one day Orientation and User Awareness Training Programme on Consortium for e-Resources in Agriculture (CeRA) towards creating the awareness about the use of access of e-journals, abstracts, E-Books and research papers for academic and research purpose on

**29.01.2020** by inviting the resource person **Mr. Ravi Sankar Garu**, Informatics, Bangalore. Staff and students have actively participated in the training programme.

| | |
|---|---|
| Location of library | :College premises |
| Present staff position (In Place) | :One Assistant Professor and one Assistant |
| Seating Capacity | : 50 |
| Working Hours | : 10.00 AM to 5.00 PM |
| Availability of Wifi | : Yes |
| Number of Books | : 6368 |
| Number of Dailies | : 05 |
| Journals | : 20 |
| Reports (Annual, seminars of ANGRAU and research reports etc.) | : 59 |
| Total no. of thesis (Dissertations of the fourth year B.Tech. (Ag. Engg.) students | : 63 |




**Main Library**




**Orientation and User Awareness Training Programme on Consortium for e-Resources in Agriculture (CeRA) on 29.01.2020**

**Table 27: List of Dissertations of the fourth year B.Tech. (Ag. Engg.) students for Last 5 years in the College Library**

| S.No | Name of the Student | Title of the Dissertations | Name of the Supervisor |
|---|---|---|---|
| | | **2018-19 (2015th Batch)** | |
| 1 | B. Chanikya Sheela<br>S. Sai Prathima<br>R.Maurya | Field Evaluation of the Design of a Trapezoidal Critical Flow Flume and Validation with WINFLUME Software for Accurate Water Measurement in Field Channels | Dr.T.V.Satyanarayana<br>Er. Ch. Ratna Raju |
| 2 | A. Hari Krishna<br>R. Sasi Kumar Naik | Testing and Evaluation of Rainhose spray Irrigation System | Dr. G. Muralee Krishna |
| 3 | P.Kondiah<br>G.Srikar | Design and Development of Mini-Tractor Operated Semi-Automatic Inter and INTRA Row Weeder for Maize | Er.D.Vijay Kumar |
| 4 | S.Anusha<br>Narasimha Reddy<br>D.Venkatasubba Rao | Studies on Effect of Hyderabad Polymer Treatment on Yield and Attributes in Groundnut | Dr.B.Sarojini Devi |
| 5 | M.Inthyaz<br>P.Siva Kumar<br>C.Tejaswini | Design and Development of Combination Tillage Impliment Operated With Mini-Tractor for Primary and Secondary Tillage Operations | Er.Srigiri |
| 6 | K.BhanuPraeep<br>Praveen Kumar<br>S.G.Farida Begum | Feasibility Studies on Raingun Method of Irrigation System in Groundnut | Dr.K.Ashok Kumar<br>Smt.P.Sumathi |
| 7 | G.Akhila<br>Y.Lavanya<br>G.Vamsi Krishna | Mapping of Water Bodies in Anantapuramu District by Using Remote Sensing and Geographic Information | Er.N.Ashok Kumar |
| 8 | R.Arjun<br>N.Naveen<br>Muzamil Khan | Development of Process Technologies for Preparation of Value- Added Products From Groundnut | Dr.P.V.K.Jagannadha Rao<br>Dr.Manjula |
| 9 | T.Chandrika<br>A.Sai Kumar<br>M.Gagan Kumar | Development of Process Technologies For The Preparation of Edible Films for Food Packing | Dr.Manjula<br>Dr.P.V.K.Jagannadha Rao |
| 10 | K.Kavya<br>T.Sravani<br>T.Venkateswarlu | Design and Development of a Low cost Solar Powered Weeder for Groundnut Crop | Er. V.Shobhan Naik |
| 11 | B.Anoosh Kumar<br>K.Madhavi<br>J.Vardhan Babu | Field Evaluation of Pillow Irrigation in Comparison with Furrow rrigation for Row Crops(MAIZE) | Er.CH.Ratan Raju |
| | | **2017-18 (2014th Batch)** | |
| 12 | Mehul Patel<br>B.Namratha<br>C.Pallavi | Studies on Osmotic Dehydration and Drying of Papaya Slices | Dr.Ch.Someswara Rao |

| | | | |
|---|---|---|---|
| | K.Sai Krishna | | |
| 13 | N.Subhasree<br>G.Vani<br>M.Vinayak | Field Evaluation of Zaipit Technology with comparison of Furrow Irrigation Method for Tomato Crop | Er.Ch.Ratna Raju |
| 14 | B.O.Madhu<br>N.Pallavi<br>A.Prakash | Performance Evaluation of Soil Moisture Indicator in Tomato Crop | Dr.G.Muralee Krishna |
| 15 | K.Bharath Kumar<br>S.Samyuktha<br>N.V.Swetha | Fabrication of Ber Fruit De-Seeder and Drying Characteristics of Ber Fruits | Dr.B.Manjula |
| 16 | Y.Rajesh<br>M.Sravani<br>G.S.Vasavi | Estimation of Soil Hydraulic Properties in Sandy Clay Loam Soils of Madakasira, Aantapuramu District | Dr.B.Sarojini Devi |
| 17 | M.Arjun Naik<br>K.Bhargav Kumar<br>M.Supraja | Performance of Mari Gold Yield and Water use Efficiency for different Irrigation Methods | Er.N.Ashok Kumar |
| 18 | M.Mukunda Madhav<br>C.H.Tejeswi<br>K.V.Vamsi | Development and Evaluation of Hand Cum Pedal Operated Groundnut Food Stripper | Er. D.Srigiri |
| 19 | P.Babu<br>G.B.Eswaramma<br>M.Gouri | Development of Integrated Floating Cage Aqua geoponics System with automatic Fish Feeder for improving the productivity of Farm Pond | Dr.K.Ashok Kumar |
| 20 | M.Afzal Basha<br>S.Jaya Krishna<br>T.Ch.Koteswara Rao | Comparison of yield of Tomato in surface and subsurface Drip Irrigation system | Er.B.V.Mohana Rao |
| 21 | D.S.Murali Krishna<br>T.Vijay<br>P.Jilan | Design and Development of Low Cost Solar Photovoltaic Evaporative Cooling System | Er.A.Srinivasa Rao |
| 22 | B.Naga Prasad Yadav<br>V.Karuna<br>B.Sravani | Statistical Analysis of Rainfall Patterns and Irrigation Systems in Anantapur District of Andhra Pradesh | Smt. P.Sumathi |
| 23 | V.Nethra<br>V.Nithish<br>G.Rajesh | Design and Development of Solar Photovoltaic Sprayer | Er.V.Shobhan Naik |
| | **2016-17 (2013th Batch)** | | |
| 24 | T.Ganesh Varma<br>D.Mounika<br>P.Pushpa Latha<br>N. Sai Prasanna | Development of Value Added Products from Tamarind Pulp | Dr.B.Manjula |
| 25 | K.Gouthami<br>M.Hemanth<br>V.Likhitha<br>B.Sudhakar | Design and Development of a Combined Groudnut Decorticator and Grader | Er. Ch.Someswara Rao |
| 26 | M.Mohammad Sohail<br>G.Gowthami<br>P.Lakshmi Parvathi | Development and Performance Evaluation of Manually Operated Punch Planter for Maize | Er. D. Vijay Kumar |
| 27 | C.Anil Kumar Reddy<br>V.Chakrapani Reddy<br>D.Rajesh | Development and Evaluation of Passive- Passive Combination Tillage Implement | Er. A. Ashok Kumar |
| 28 | P. Pavan Kumar<br>Y.Sai Sucharitha | Development of Software Model for Estimation of Storage Capacity of | Er. D.Sai Gangadhara Rao |

| | | | |
|---|---|---|---|
| | G.Yamuna | Farm Pond | |
| 29 | V.Ashwini<br>C.ima Bindu<br>C.Navya Sree | Design and Evaluation of Solar Photo Voltage Audible Bird Scarer | Er. A. Srinivasa Rao |
| 30 | M.Baby<br>P.Dinesh Kumar<br>C.Indu<br>J.Nanda Kumar Reddy | Effect of Organic & Inorganic Mulching Materials on Growth and Performane of Chilli (Capsicum annuum) Crop Grown on Alfisols | Dr. K. Ashok Kumar |
| 31 | E.Nataraj<br>B.Ashok Kumar<br>S.Mohammod Jeelani<br>R.Mahendranath Reddy | Optimizing the Basin Row Spacing & Fabrication of Blasinlister for Groud Nut Crop | Dr. G. Muralee Krisshna |
| 32 | Karan Patel<br>S.Mahaboob raj<br>M.Sandeepika<br>K.Tharani | Development and Evaluation of Low HP Tractor Operated 12-Row Drum Seeder | Dr.C.Ramana |
| | **2015-16 (2012th Batch)** | | |
| 33 | G.Naveen kumar<br>B. Naveen kumar Reddy<br>G.Pavan kumar Reddy<br>E. Ramesh Naik | Development of Software Model for Gully control structures | Er. D.Sai Gangadhara Rao |
| 34 | S. M. Gousiafarnawaz<br>R. Jhansi<br>U. Harshavardan<br>A, Kesava kumar | Development & Evaluation of Hand operated Multi Briquetting Machine for Bio-Waste | Er. A .Ashok kumar |
| 35 | B. Prasanth Raju<br>B. Pravalika<br>K. Rupthi<br>G. Siva kumar | Design & Evaluation of solar photo voltaic revrse osmosis system | ER. A.Sreenivasa Rao |
| 36 | Biswajit Das<br>Mayank kumar<br>Y.Praveen kumar<br>D. Ranjith kumar Reddy | Development of Multi purpose tool bar for Secondary tillage & Inter Cultivation suitable to Low H.P Tractors | Er. D.Vijay kumar |
| 37 | B. Brahmini<br>B.Hima Bindu<br>E. Monica<br>K.Padmaja<br>Rachit Saxana | Feasibility & Economic Studies in production of Khoa | Er. Ch.Someswara Rao<br>&<br>Dr. B. Manjula |
| 38 | P.Sivamma<br>S.V. Swapna Priya<br>G. Raghavendra<br>K. Sampath Kumar<br>G. Venkanna | Validation of Aqua Crop 5.0 model for vegetable<br>Crops in Madakasira Region | Dr. G. Murali Krishna |
| 39 | C.H. Sneha<br>R. Snehitha<br>P. Sravani<br>T.Sumanth | Effect of water soluble Fertilizers through Drip Irrigation on Growth & yield of African Mari Gold | Dr. D.Lakshmi kalyani |
| 40 | R. Lavanya<br>B. Madhu kiran<br>U.Sai Sreekanth<br>B.Suma | Design & Establishment of Roof Water Harvesting System in CAE Madakasira | Dr. M.V. Ramana |

| | | | |
|---|---|---|---|
| | | 2014-15 (2011th Batch) | |
| 41 | S.K. Baba Fakruddin<br>N.Phani Bhushan Reddy | Studies on Water requirements of colour Capsicum under Naturally ventilated Poly House | Er. D.Sai Gangadhara Rao |
| 42 | Amith kumar<br>B.Madhu<br>N.Nagarjuna Reddy<br>Satyendra kumar patel | Development of Hand operated continuous Pomegranate Aril Extractor | Er. Ch.Someswara Rao |
| 43 | M.Sai Anwesh<br>B. Venkata Hemanth<br>Y.Reddy Malikarjuna | Design Fabrication of Manual operated Tamarind Seed separation Machine | Er. A.Sreenivasa Rao |
| 44 | M.Harsha vardhan Reddy<br>E.Pavan kumar<br>G.Hemanth kumar | Ergonomical Evaluation of Manual operated Weeders & Sprayers | Er. A .Ashok Kumar |
| 45 | M. Mothilal Naik<br>C. Pavan kumar<br>M.Prabhakar<br>C.H. Ramu | Evaluation of various Irrigation Methods on Growth & yield of Tomato crop | Er.N .Ashok Kumar |
| 46 | B.L Prasanna kumar<br>B.Srinivas | Effect Fertilization through Drip Irrigation on growth & yield of African Mari Gold | Er. K.Krupavathi |
| 47 | S.Jansi Lakshmi<br>B. Ramesh<br>V.Sai Krishna<br>G.Sinduri | Design of Soil & Water Conservation Measures in Micro Watershed | Dr.M.V.Ramana |

## 6.5.3.2. Laboratories, Instructional farm, Workshops, Dairy plant etc.

The information regarding list of Laboratories, Instructional farm, Workshops, etc in the college and also department-wise details is given Table 28, 29 and Table 30.

**Table 28: Instructional and other Facilities in the College**

| S. No | Particulars | No. of Unit (s) | Plinth Area (sq.m) |
|---|---|---|---|
| 1 | Administrative Office | 15 | 814.45 |
| 2 | Class Room | 4 | 360.64 |
| 3 | Farm Machinery Lab | 1 | 39.9 |
| 4 | Farm Power Lab | 1 | 46.1 |
| 5 | Fluid Mechanics Lab | 1 | 56.6 |
| 6 | SWCE Lab | 1 | 126.59 |
| 7 | Soil Science Lab | 1 | 90.226 |
| 8 | Computer Lab | 1 | 83.86 |
| 9 | Instrumentation Lab | 1 | 76.02 |

| | | | |
|---|---|---|---|
| **10** | Library | 1 | 295.5 |
| **11** | Workshop | 1 | 166.52 |
| **12** | Seminar Room | 1 | 81 |
| **13** | Examination Hall | 1 | 170.2 |
| **14** | Research farm | 1 | 8666 |
| **15** | Prototype Production Center | 1 | 593 |
| **16** | ELP Building | 1 | 389.5 |
| **17** | Dairy Plant | 1 | 129.53 |
| **18** | Auditorium | 1 | 295.5 |
| **19** | Guest Room | 2 | 80.75 |

**Table 29: Department-wise Laboratories in the College**

| S. No. | Departments | Name of laboratories |
|---|---|---|
| **1** | Farm Machinery & Power Engineering | • Farm Power Lab<br>• Farm Machinery Lab<br>• Workshop |
| **2** | Processing & Food Engineering | • Processing & Food Engineering Lab<br>• Dairy Plant |
| **3** | Irrigation and Drainage Engineering | • Irrigation & Drainage Lab |
| **4** | Soil & Water Conservation Engineering | • Soil and Water Conservation Engineering Lab |
| **5** | Renewable Energy Engineering | • Renewable Energy Demonstration unit |
| **6** | Basic Engineering | • Surveying & Levelling Lab<br>• Fluid Mechanics Lab |
| **7** | Applied Sciences | • Soil Science lab<br>• Instrumentation lab |



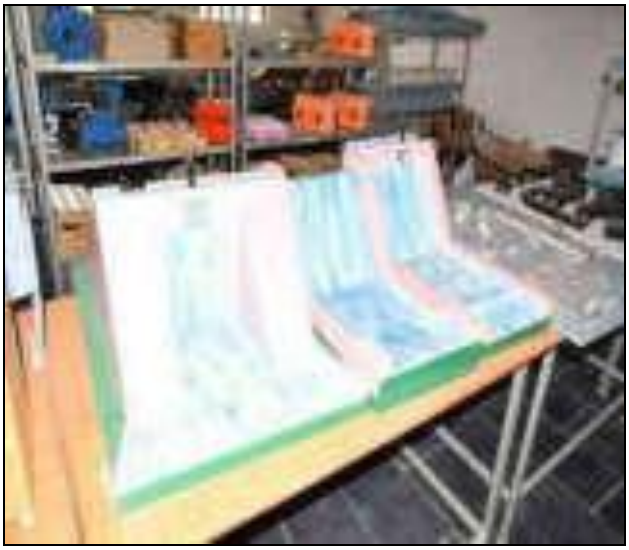
**Solar Power Generation for Prototype Production Center**



**Fluid Mechanics Laboratory**



**Dairy Plant**



**Soil and Water Engineering Laboratory**



**Watershed Demonstration Model**



**Processing and Food Engineering Laboratory**



**Workshop**



**Sectioned Tractor Working Model**



**Farm Power Lab**



**Soil Science Lab**



**Computer Lab**



**Wind Mill and Solar Power Generation**

**Table 30: List of Laboratories/Workshops/Farm and other Facilities**

| Name of Department | Name of Laboratory | Name of Equipment |
|---|---|---|
| **Farm Machinery & Power Engineering** | Farm Power Lab | ➢ Sectionised Tractor Working Model<br>➢ Cut Section Of Tractor<br>➢ Cut section of Clutch<br>➢ Three Point Hitch Dynamometer<br>➢ Sectional model (4-stroke diesel engine)<br>➢ Sectional model (4-stroke petrol engine)<br>➢ Sectional model (2-stroke diesel engine)<br>➢ Sectional model (2-stroke petrol engine)<br>➢ Digital photo tachometer |
| | Farm Machinery Lab | ➢ Groundnut dry pod thresher<br>➢ Groundnut digger shaker<br>➢ Groundnut wet pod thresher<br>➢ Groundnut decorticator<br>➢ Rotavator assembly for VST Mitsubishi Shakthi VT 224 ID Tractor<br>➢ VST Mitsubishi Shakthi VT 224 ID |

| | | |
|---|---|---|
| | | Tractor<br>➢ Spring tyne cultivator<br>➢ Offset disc harrow<br>➢ Guntaka blade<br>➢ Motorized knapsack sprayer<br>➢ Hand operated knapsack sprayer<br>➢ Foot sprayer<br>➢ Electric motorized groundnut decorticator with higher capacity<br>➢ Paddy Transplanter<br>➢ Bund Former<br>➢ Manual Paddy Transplanter<br>➢ Plastic Mulch Laying Machine |
| | Engineering Workshop | ➢ Lathe Machines<br>➢ Drilling Machine<br>➢ Welding machine<br>➢ Hydraulic bending machine<br>➢ Spot welding machine<br>➢ Adjustable spanner, 8” and 12”<br>➢ Universal scriber block with base plate<br>➢ Swage sets<br>➢ Fuller sets<br>➢ Different types of tongues<br>➢ Wire gauge<br>➢ Wooden planes<br>➢ Bradawl<br>➢ Wooden single piece pattern (2”X2”)<br>➢ Wooden double piece pattern (2”X2”)<br>➢ Hitachi cutoff machine (355 mm) |
| **Processing and Food Engineering** | Processing and Food Engineering Lab | ➢ Solar Cabinet dryer<br>➢ Paddy dehusker<br>➢ Rice Grader<br>➢ Laboratory Rice Polisher<br>➢ Working model of Belt conveyor<br>➢ Bucket conveyor<br>➢ Chain conveyor<br>➢ Screw Conveyor<br>➢ )<br>➢ LG Convective microwave oven<br>➢ Pycnometer<br>➢ Digital weighing balance<br>➢ Thin film hot plate machine |
| | Dairy Plant | ➢ Steam cooking pan<br>➢ Biomass gasifier<br>➢ Steam generation unit<br>➢ Khoa pan<br>➢ Lactometer<br>➢ Hygrometer<br>➢ Flavored milk tank<br>➢ Steamed rice unit |

| | | |
|---|---|---|
| **Irrigation And Drainage Engineering** | Irrigation And Drainage Engineering Lab | ➢ Double Ring Infiltrometer<br>➢ Current meter<br>➢ Sprinkler Irrigation System<br>➢ 75 mm QRC 2.5 Kg/cm$^2$ pipe<br>➢ QRC 75 mm saddle<br>➢ Sprinkler nozzle<br>➢ GI riser pipes ¾'' x 75 mm<br>➢ QRC 75 mm pump connector<br>➢ QRC 75 mm Tee<br>➢ QRC 75 mm bend<br>➢ QRC 75 mm end plug<br>➢ Disk filter 3''<br>➢ Screen filter 3''<br>➢ Sunshine recorder<br>➢ Open pan evaporimeter<br>➢ Hand held digital anemometer<br>➢ Cusec Replogle flume<br>➢ Cusec cut throat flume<br>➢ Natural ventilates lowest poly house with butterfly top opening along with drip irrigation system (12 m x24 m) |
| **Soil & Water Conservation Engineering** | Soil and Water Conservation Lab | ➢ Coschcton wheel silt sampler<br>➢ Abney Level<br>➢ Demonstration of watershed model<br>➢ Ordinary Rain Gauge<br>➢ Soil Thermometers<br>➢ Hand held pH meter<br>➢ Hand held EC meter<br>➢ Bulk density core sampler<br>➢ Lysimeter – Non weighing type |
| **Renewable Energy Engineering** | Solar energy Teaching Lab | ➢ Solar Lantern<br>➢ 10 KW solar module with 10 KW three Solar Water Heater<br>➢ Hybrid solar cum wind inverter<br>➢ DC wind turbine<br>➢ 1.5 KW Solar photovoltaic module<br>➢ Box type and Dish type solar cooker<br>➢ Muffle Furnace<br>➢ Solar Energy Tree<br>➢ Hand operated briquetting machine |
| **Basic Engineering** | Fluid Mechanics lab | ➢ Apparatus for Bernoullies theorm<br>➢ Prandtl Pitot tube apparatus<br>➢ Reynolds apparatus<br>➢ BK-Type Manometer<br>➢ Apparatus for determination of Cd, Cv of orifice and Cd of mouth pieces<br>➢ Apparatus for calibration of venturimeter, Orifice meter and flow nozzle. |
| | Surveying and Leveling Lab | ➢ GPS – 10 (Germin)<br>➢ Dumpy level<br>➢ Theodolite<br>➢ Measuring Chains (20m & 30m) |

| | | |
|---|---|---|
| | | ➢ Metallic tapes<br>➢ Leveling staff & Ranging rods<br>➢ Total station<br>➢ Planimeter sliding bar<br>➢ Prismatic compass |
| **Applied Sciences** | Instrumentation Lab | ➢ Diode characteristics<br>➢ Triode characteristics<br>➢ Zinner Diode<br>➢ P-N Junction Diode/ Photo Transistor Characteristics<br>➢ RC coupled Amplifier<br>➢ Verification of Logic Gates<br>➢ Energy Gap in semi conductor Diode<br>➢ Mobile motor controller |
| | Soil Science Lab | ➢ Flame photometer<br>➢ pH meter with electrode<br>➢ Conductivity meter<br>➢ Laboratory glassware includes pipettes, Burettes, Conical flask, Standard flask, Reagent bottles etc. |
| | Instructional Farm | ➢ Mould board and disc ploughs<br>➢ Spring tyne cultivator<br>➢ Ananta groundnut planter<br>➢ Rotavator and shredder |



**Lathe machine**



**Drilling and Spot Welding Machines**




**Students Using Different Farm Machinery in Instructional Farm in the College**




**Mould Board Plough** **Disc Plough**




**Spring tyne Cultivator** **Ananta Groundnut Planter**

**Farm Machinery Available for Practical's/hands on Training in Instructional Farm**



**Steam Cooking Pan**



**Flavored milk tank**



**Khoa Pan**



**Steam Generation Unit with Biomass Gasifier**

## 6.5.3.3. Student READY/ In-Plant Training / Internship / Experiential Learning Programmes

As per the requirements of Fifth Dean's Committee, a comprehensive Student READY Program is given in Table 31, consisting of industrial attachment, skill development training modules and four separate experiential learning program modules along with the project work has been chalked out at the College level and the same has been widely acclaimed at various high level forums and also adopted as a model Student READY programme in other SAU's in the country, The Student READY program is being implemented for the B.Tech. (Agril. Engineering) students admitted in the year 2016-17 w.e.f. the academic year, 2019-20 (Table 31).

**Table 31: Recommendations of V$^{th}$ Deans' Committee**

| S.No | Course | Weeks | Credit hours | Remarks |
|---|---|---|---|---|
| 1 | **SRDY 281** Skill Development Training-1 | 4 | 5(0+5) | During Summer break after 4$^{th}$ semester |
| 2 | **SRDY 381** Skill Development Training-2 | 4 | 5(0+5) | During Summer break after 6$^{th}$ semester |
| 3 | **SRDY 481** | 10 | 10(0+10) | During 7$^{th}$ semester |

| | | | | |
|---|---|---|---|---|
| | Industrial Attachment/Internship | | | |
| 4 | **SRDY 482** Experiential Learning On-Campus | 10 | 10(0+10) | During 7th semester |
| 5 | **SRDY 483** Educational Tour | 2 | 2(0+2) | During 7th semester |
| 6 | **SRDY 484** Project Work and Report Writing | 20 | 10(0+10) | During 8th semester |
| | **Total** | **50** | **42(0+42)** | |

Each student is required to undergo a four-week summer training/experiential learning at leading research and industrial organizations by undertaking a project of direct relevance to the concerned organizations and to the field problems in agricultural sector. As a part of the course curriculum, the students are sent to user agencies like TAFE Ltd, Central Soil and Water Conservation Research & Training Institutions at Ooty; CIAE, Bhopal; Central Farm Machinery Testing and Training Institutes at Budni and Garladinne; CRIDA, Hyderabad; ARS, Anantapur; IIHR, Bangalore and Galla Foods, Chittoor etc. for training in the application of latest technologies (Table 32). From 2008 admitted batch, the students have to undergo experiential learning for hands-on-training for one month at the end of third year and In-Plant Training for one full semester in an organization as per the revision based on the recommendations of the 4th Deans' committee of ICAR and skill development training programme for one month at the end of second and third year, In-Plant Training for 10 weeks in an organization as per the revision based on the recommendations of the 5th Deans' committee of ICAR, experiential learning programme on campus (Student READY) for 10 weeks at College and Educational Tour (Student READY) 2 weeks to various SAU, ICAR and CSIR institutes in South India.

The final year B.Tech (Agril. Engg.) students have to work on a research project assigned to a group of 2 to 3 students and submit a Dissertation report under the supervision of Faculty members of the college on various aspects in the fields of Farm Machinery and Power, Processing and Food Engineering, Irrigation and Drainage Engineering, Soil and Water Engineering and Agro Energy. Each student will have the opportunity to come up with ideas and see through its implementation to learn by doing and experiencing the real situation as a part of Experiential Learning Programme(SRDY- 482). The details of income generated in ELP programme by various programme is presented in Table 32.

**Table 32: Details of Student READY/ In-Plant Training during the year 2018-19**

| Course | Name of the Programme | No. of Students | Location | Duration | |
|---|---|---|---|---|---|
| | | | | **From** | **To** |
| B.Tech (Ag.Engg.) | Skill Development Training Programme –I (SRDY-281) | 5 | ICAR-IISWC, Udhagamandalam | 01.06.2018 | 30.06.2018 |
| | | 4 | WALAMTARI Hyderabad | | |
| | | 5 | ICAR-IISWC, Bellary | | |
| | | 10 | CIAE-Regional Centre, Coimbatore | | |
| | | 5 | CIAE, Bhopal | | |
| | | 12 | SRFMTTI, Garladinne | | |
| | In-Plant Training | 6 | WALMTARI, Hyderabad | 01.07.2018 | 31.10.2 |

| | | | | | |
|---|---|---|---|---|---|
| Programme | 3 | PHI Seeds, Hyderabad | | | 018 |
| | 2 | ITC, Guntur | | | |
| | 6 | CIAE, Bhopal | | | |
| | 5 | NIPHM, Hyderabad | | | |
| | 4 | CRIDA, Hyderabad | | | |
| | 6 | IIHR, Bangalore | | | |
| Skill Development Training Programme-II (SRDY-381) | 16 | Southern Region Farm Machinery Training & Testing Institute, Tractor Nagar, Garladinne, Anantapur, Andhra Pradesh-515731 | 06.05.2019 | 31.05.2019 | |
| | 6 | Central Institute of Plastics Engineering & Technology (CIPET) (Department of Chemicals & Petrochemicals), VIJAYAWADA - 520 007 | | | |
| | 10 | Central Farm Machinery, Testing Institute, Budni, Madhya Pradesh-466 445 | | | |
| | 5 | ICAR-IISWC, Udhagamandalam | 01.06.2019 | 30.06.2019 | |
| | 4 | WALAMTARI, Hyderabad | | | |
| | 5 | ICAR- IISWC, Bellary | | | |
| | 10 | ICAR-CIAE-Regional Center, Coimbatore | | | |
| | 5 | ICAR-CIAE, Bhopal | | | |

**Table 33 : Income generated in Experiential Learning Programme by Various Departments During the year, 2019-20**

| S.No | Title of Experiential Learning Programme | Course No. | Department | Expenditure | Income | Profit | Students share (75%) | College share (25%) |
|---|---|---|---|---|---|---|---|---|
| 1 | Fabrication of small implements and custom-hiring of farm machinery | SRDY 482 | Farm Machinery and Power Engineering | 19,278/- | 24,200/- | 4,922/- | 3,692/- | 1,230/- |
| 2 | Value addition | SRDY 482 | Processing and Food Engineering | 14,073/- | 31,163/- | 17,090/- | 12,817/- | 4,273/- |
| 3 | Production of vegetables | SRDY 482 | Applied Sciences | 10,876/- | 22,788/- | 11,912/- | 8,934/- | 2,978/- |
| | | | **Total** | **44,227/-** | **78,151/-** | **33,924/-** | **25,443/-** | **8,481/-** |

## In-Plant Training



**Skill Development Training at CIPET, Vijayawada**



**Skill Development Training at SRFMTTI, Garladinne**



**Skill Development Training at CIAE Regional Center, Coimbatore**



**Skill Development Training at VST tillers tractors Ltd.**

## Educational tour (Student READY), SRDY-483



**Visit to ICAR-IIHR, Bengaluru**



**Visit to ICAR-CIAE-RC, Coimbatore**



**Visit to ICAR-IISWC-RC, Ooty**




**Visit to IIFPT, Tanjavur**

### 6.5.3.4. Curricula Delivered through IT (Smart Class Rooms/Interactive Board etc)

The college is using smart class rooms/interactive board etc. for teaching and conducting practicals. There are four smart class rooms and one seminar hall with interactive board and audio visual facilities. The teachers are using these facilities regularly to deliver course lectures. Students are encouraged to deliver presentations on technical topics through multi-media facilities.



**Smart Class Room**



**Seminar Hall with Interactive Board**

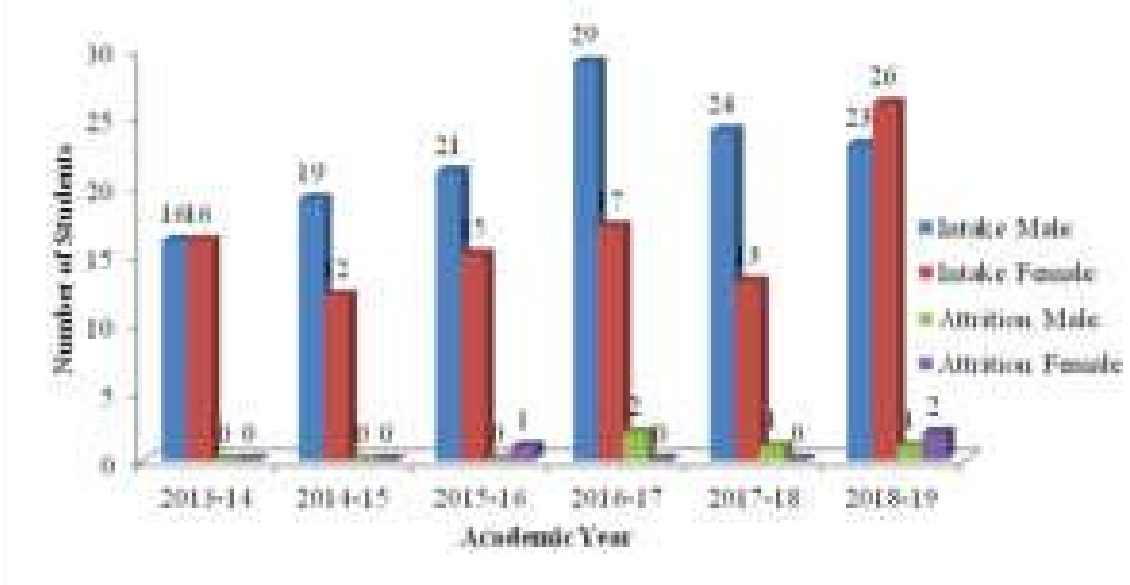
## 6.5.4 Student Development

### 6.5.4.1 Student Intake and Attrition

The information about student intakes and attrition for the college in respect of B.Tech (Ag. Engg.) programme is given in Table 34.

**Table 34: Student Intake and Attrition for the College in UG Programme**

| Year | Intake | | | Attrition | | | Attrition (%) | | |
|---|---|---|---|---|---|---|---|---|---|
| | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **2013-14** | 16 | 16 | 32 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2014-15** | 19 | 12 | 31 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2015-16** | 21 | 15 | 36 | 0 | 1 | 1 | 0 | 6.7 | 2.8 |
| **2016-17** | 29 | 17 | 46 | 2 | 0 | 2 | 6.9 | 0 | 4.3 |
| **2017-18** | 24 | 13 | 37 | 1 | 0 | 1 | 4.2 | 0 | 2.7 |
| **2018-19** | 23 | 26 | 49 | 1 | 2 | 3 | 4.3 | 7.7 | 6.1 |




**Male and Female B.Tech (Ag. Engg.) Students Intake and Attrition**

## 6.5.4.2 Average number of students in theory and practical classes

The B.Tech (Ag. Engg.) degree programme wise number of students for theory and practical classes are given in Table 35.

**Table 35: Degree Programme-wise Number of Students for Theory and Practical Classes**

| S.No. | Name of the degree programme | Number of students in theory class | Number of students in practical class |
|---|---|---|---|
| **1.** | B.Tech (Ag. Engg.) | 40 | 20 |

## 6.5.4.3. Admission Process

The admission into B.Tech (Agricultural Engineering) degree programme is based on the merit in the Engineering, Agriculture, Medical Common Entrance Test (EAMCET) conducted by the AP State Council of Higher Education in April/May every year for Intermediate (10+2) qualified students. Sixty (60) percent of the UG seats are made by the Convener, EAMCET for

admission into B.Tech/B.E programmes in all the engineering colleges in the state. The candidates make an application on-line and also make options for different branches of engineering including agricultural engineering in the two colleges at Bapatla and Madakasira in the state. Qualified candidates with good ranks are attracted to agricultural engineering in view of its importance and employment opportunities both in public and private sector. Forty (40) cent of the UG seats are reserved for the wards of agriculturists (Farmers) as a general policy implemented by the Government of Andhra Pradesh for all under graduate programmes in agriculture and allied sector. To be eligible under this quota, the father or mother of the candidate must have atleast one acre of land on their names and the candidates should have studied in rural (non-municipal) areas for atleast four years in school. A separate counseling process is conducted by ANGRAU for this agriculturists quota seats duly considering and verifying the land ownership and rural study certificates.. This is to encourage the wards of farmers to take up higher agricultural education. In addition, 15 percent seats are reserved for the candidates from other states through the counseling done by ICAR on the basis of AIEEA UG examination. Also, 15 percent supernumary seats are earmarked for candidates with 3-year Diploma In Agricultural Engineering from the Polytechnics of Agricultural Engineering in the state through merit based on the ranks obtained in AGRIENGGCET conducted exclusively for the purpose in the month of June every year

| Category | No of UG Seats |
|---|---|
| Convener, EAMCET | 60% |
| Agriculturists Quota | 40% |
| ICAR- AIEEEA UG | 15% additional seats (Supernumary) |
| NCC/ Sports/ Defense Personnel /Otherwise abled persons quota | Additional seats (Supernumary) as per the Govt. rules applicable from time to time |
| AGRIENGGCET | 15% additional (Supernumary) |

The Fee for the students is collected at the time of admission and also at the beginning of subsequent semesters as per the fee structure fixed by the university from time to time. Normally, a 10% hike in tuition and certain other categories of fee is allowed as per the resolution of the Academic Council of the university within the framework of the regulations of the state government.

At university level, the following management systems are being contemplated which will be implemented very soon for all the ten colleges of the university.

- Students Academic Management System
- University Financial Management System

The following is the Academic calendar 2019-2020 finalized and informed to students in the beginning of the Academic Year 2019-2020 presented in Table 36 to enable the students to plan and work their academic programmes very effectively and successfully.

**Table 36: Academic Calendar, 2019-2020**

| Schedule | I Semester 2019-2020 | | | | II Semester 2019-20 | | | |
|---|---|---|---|---|---|---|---|---|
| | I Year | II Year | III Year | IV Year | I Year | II Year | III Year | IV Year |
| **Registration of courses** | 06.08.2019 | 24.06.2019 | 24.06.2019 | 27.06.2019 to 29.06.2019 | 02.01.2020 | 16.12.2019 | 21.12.2019 | 20.12.2019 to 23.12.2019 |
| **Commencement of instruction** | 07.08.2019 | 25.06.2019 | 25.06.2019 | 01.07.2019 | 03.01.2020 | 17.12.2019 | 23.12.2019 | 24.12.2019 |
| **Last date of registration with late fees** | - | 05.07.2019 | 05.07.2019 | - | 18.01.2020 | 28.12.2019 | 03.01.2020 | - |
| **Last date of instruction** | 13.012.2019 | 15.11.2019 | 01.11.2019 | 18.11.2019 | 25.05.2020 | 01.05.2020 | 12.05.2020 | 11.05.2020 |
| **Preparation holidays** | 14.12.2019 to 15.12.2019 | 16.11.2019 to 17.11.2019 | 02.11.2019 to 03.11.2019 | 19.11.2019 to 20.11.2019 | 26.05.2020 to 27.05.2020 | 02.05.2020 to 03.05.2020 | 13.05.2020 to 14.05.2020 | 12.05.2020 to 13.05.2020 |
| **Semester final theory examinations** | 16.12.2019 to 26.12.2019 | 18.11.2019 to 27.11.2019 | 04.11.2019 to 14.11.2019 | 21.11.2019 to 26.11.2019 | 28.05.2020 to 05.06.2020 | 04.05.2020 to 14.05.2020 | 15.05.2020 to 25.05.2020 | 14.05.2020 to 19.05.2020 |
| **Semester break** | 27.12.2019 to 01.01.2020 | 28.11.2019 to 15.12.2019 | 15.11.2019 to 08.12.2019 | 27.11.2019 to 19.01.2020 (Including Educational Tour SRDY 483 -2 weeks) | 06.06.2020 to 30.06.2020 | 15.05.2020 to 28.06.2020 (Including SRDY 281-4 weeks) | 26.05.2020 to 30.06.2020 (Including SRDY 381-4 weeks) | - |
| **Commencement of next semester** | 02.01.2020 | 16.12.2019 | 09.12.2019 | 20.01.2020 | 01.07.2020 | 29.06.2020 | 01.07.2020 | - |

## 6.5.4.4. Conduct of Practical and Hands on Training

The syllabus and course curriculum for the B. Tech. (Agricultural Engineering) degree have been formulated based on the recommendations of the 5th Deans' committee recommendations of ICAR. It is published as a "Blue Book" for the agricultural engineering and given to all students at the time of admission. Each credit hour of a course represents one hour lecture or two to three hours practical class in each week. The practical classes and hands on training in each course having practical credits are conducted in the respective laboratories of different department as per the scheduled time in time table every week. The details of different well-equipped laboratories in the college are indicated in the previous sections. The practical manuals of the courses are prepared by well experienced teachers and are given to the students. The involvement of every student in every practical is ensured by stipulating minimum attendance of 75 percent also for practical classes along with minimum marks al to pass in a subject. The students are also given practical exposure by conducting some tours to nearby industries, research organizations, pilot projects during one of the practical classes in the subject. In addition, educational tours are also conducted during semester breaks to enhance their general and practical knowledge.

The B.Tech. (Agricultural Engineering) students are imparted hands-on training in basic manufacturing and workshop technologies in machine shop, welding, moulding and carpentry etc. in the course of Workshop technology and Practices in the first year itself. They are also imparted practical skills in Surveying and Levelling which will be very useful to them in preparation of topographical maps required for different land and water management engineering applications.. In farm machinery practical classes, seed drill calibration, transplanters, engine assembling and dissembling are also included. Practical and skill orientation is done for students in the aspects of drilling of tube wells, field installation of drip and sprinkler irrigation systems, pump testing and evaluation, soil moisture characteristics curves, measurement of irrigation water, drainage installations, field measurement of salinity and alkalinity for soil and water etc. Skill orientation is given to students in the food processing, different unit operations in processing and value addition of cereals, pulses and oil seeds. The students are also subjected to practical classes in modern rice mill, pulse mill, oil expellers, milk processing plants and food storage plants. The hands on training is also provided for determination of engineering properties of biological materials, size reduction and mixing, heat treatment of milk, pasteurization of milk, making of jaggery powder, ground milk and curd, flavoured milk and Khoa etc. The basics and applications of 2D drafting and 3D modeling are also taught through hands on training in the practical classes of the course on Auto CAD applications. They are also given training on computer models like CROPWAT, CRIWAR, SURFER and WINFLUME for their applications in different aspects of agricultural engineering.

## 6.5.4.5. Examination and Evaluation Process

The evaluation of s student in a course shall be based on his/her performance in various kind of examinations, records, class work and other exercises. A detailed course outline in each course shall be prepared by the concerned teacher(s) approved by the concerned University Head of the Department which will be made available to the students in the beginning of each semester. A schedule of the mid-semester examinations of the courses shall be prepared by the Associate Dean and notified to the students. The Mid-Semester examinations are usually conducted in the middle of semester after 45

working days (after 8 lecture/16 lectures in 1 and 2 credit theory course respectively). The time slot for the Mid-Semester Exams is notified in the Academic Calendar itself by the University. The scheme of examinations consist of one Mid Semester Examination, one Final Practical Examination and one Final Theory Examinations for the courses with theory component. Those courses which have only practical component will have only Final Practical Examination.

There shall be one mid-semester examination to be conducted by the teacher offering the course after 50 % of the working days are over in a semester. The duration for the mid-semester exam will be for one and half hours. The marks allotted for mid semester and semester final theory examination shall be 50 and 100 respectively. Ordinarily, no condonation for absence in mid-semester shall be give. However, if a student is genuinely absent from taking the examination as in the case of serious illness or accident or any other case, a special re-examination will be arranged by the concerned teacher in consultation with the Head of the Department and the Associate Dean of the College. This special re-examination will be conducted within two weeks from the date of examination so missed and shall be common examination for all such students in the course in the semester. The regular and special re-examinations shall be conducted as per the time table fixed by the Associate Dean of the College. Unless a student appears for the mid-semester examination, he/she shall not be permitted to appear for the semester final theory and practical examinations in the course. The answer scripts of the mid-semester examination shall be evaluated by the concerned course teacher and shall be shown to the students within one week from the last date of mid-semester examinations. The student shall have the option to request the teacher for clarification of any doubt in scoring for the contents. However, this will not apply for semester final examinations.

The semester final examinations will be held at the end of each semester in each course. The semester final examination in the theory portion shall be of two and half hours duration. The University will conduct the semester final examinations and there will be a common question paper for the course in all colleges in a semester. Practical examinations shall be conducted by the respective colleges as per the time table fixed by the Associate Dean.

The spot evaluation procedure is followed for the B.Tech. (Agricultural Engineering) courses. The Associate Dean shall send the answer scripts of each course, year of study wise, to the spot evaluation center fixed by the university and they are jumbled and coded. After evaluation, the coded marks award list of students will be sent to the respective colleges by the Associate Deans of the evaluation center. The Associate Dean shall notify the Final Theory Exam marks in each course.

A course is a unit of instruction or segment of subject matter (as specified in the course catalogue) to be covered in a semester. It has a specific number, title and credits. The courses have either theory credits only or practical credit only or both based on the requirements of the courses. In the allocation of marks for the courses, each credit shall be valuated by 50 marks. The marks allotted for theory and practical shall be in proportion to the credits for the theory and practicals. The proportion of the for the mid-semester examination and the semester final theory examinations will be 40:60 respectively. Marks for the practicals shall be based on the continuous evaluation of practical classes and a fina practical examination which shall include a viva-voce examination. The proportion of marks between continuous internal evaluation of practical work and fial practical examination shall be of 50:50. In respect of STUDENT READY programmes like Experiential Learning, Hand on Training, Skill Development, Internship/In-Plant training/Industrial attachment and Student Projects,

the criteria for evaluation is prescribed by the university for the B.Tech (Agricultural Engineering) degree programme.

A student should be a minimum of 50 % marks in both final theory and practical examinations separately for a pass in the final examination of such course. If a student does not ahiee this, he/she has to re-appear for the final examinations in theory/practical or both as the case may be, when the examination is conducted next time for the course(s). A student obtaining a grade point of 5.0 shall be considered to have passed the course. A student getting less than 5.0 shall be deemed to have failed in the course and "F" grade shall be indicated in the grade report. A student who secures grade point below 5.0 or who secures above 5.0 but secures less than 50 % marks in semester final theory/practical examination of the course or was marked absent has to appear either final theory or practical examination or both as the case may be.

There are also some regulations for promotions to subsequent years in order to maintain the standards in the academic system. A candidate is automatically promoted to second year irrespective of the number of courses as absent/failed courses in the first year. A candidate should have passed all the courses of first year and should not have more than 6 courses of second year as backlog courses for promotion to third year. A candidate should have passed all the courses of second year and should not have more than 6 courses of third year as back log courses for promotion to the final year.

A student undergoing courses of study leading to UG degrees including B.Tech (Agricultural Engineering) offered by the College shall pass al courses and complete the minimum number credits as prescribed by the Academic Council from time to time by obtaining minimum OGPA of 5.00 in the 10 point scale. The Grade Point Average is the quotient of total credit points obtained by a student in various courses at the end of each semester divided by the total credit hours taken by him/her in that semester. The grading is done on 10 point scale. The GPA is corrected upto first decimal place. The Overall Grade Point Average (OGPA) is the quotient of cumulative credit points obtained by a student in all the courses taken by him/her from the beginning of the first semester of the degree divided by the total credit hours of all the courses which he/she has completed upto to the end of a specified semester from the first semester. It indicates the overall performance of a student in all the courses taken during a period covering from the first semester to the particular semester. The OGPA is corrected up to second decimal place. The successful candidates after completion of the graduation requirements who secures OGPA of 5.00 and above in the 10 point scale shall be classified as below and indicated in the Transcript of the candidate.

| **Category** | **OGPA** |
|---|---|
| Pass | 5.00 to 5.99 |
| Second Class | 6.00 to 6.99 |
| First Class | 7.00 to 7.99 |
| First Class with Distinction | 8.00 to 8.99 |

## 6.5.4.6 NCC/NSS/NSO Units

## NSS Unit

The NSS programme is an integral part of course curriculum of B.Tech (Agricultural Engineering). The NSS programme comprises of regular Activities (120 hours) and Annual Special Camp (120 hours). The regular activities are being conducted on campus and off-campus throughout

the year. The Annual Special Camps are being conducted in a rural village for 7 days and the volunteers have to stay in the village during the special camp. All the NSS Volunteers who have served NSS for 2 years and have performed 240 hours of work under NSS are being issued a certificate from the university with the signature of the Vice-Chancellor and the Programme Coordinator.

At College of Agricultural Engineering (CAE), Madakasira, thirty one students registered for NSS as non-credit course in the year 2014-15, thirty six students in the year 2015-16, forty six students in the year 2016-17, thirty seven students in the year 2017-18 and forty nine students in the year 2018-19. The NSS volunteers actively participated in cleaning the premises of college campus every week as per the schedule. Further, the following activities are being conducted under NSS progarmme.

1. NSS Day
2. International Day of Yoga
3. National Unity Day
4. Constitution Day
5. World Soil Day
6. International Forest Day
7. Awareness programmes on Blood donation and Female foeticide, dowry and drug Menace
8. Swachhta Hi Seva (SHS) campaign programme
9. Rallies on Swatchhta pakhwada programme, Yoga for good health and Sankalp Diwas
10. A marathon (2 km) on Antiragging, Traffic rules for safety and Eve teasing
11. Blood donation camps
12. Medical and veterinary camps

Under NSS programme, Agricos Green Programme (AGP) is a unique progarmme that is implemented at CAE, Madakasira. This programme is based on 'one student - One tree' concept i.e. each first year B.Tech (Ag. Engg.) student plant one tree sapling and the student has to take care of the tree till the student completes IV year B.Tech (Ag. Engg.). As a part of AGP, first year B. Tech. (Agril. Engg.) students (2018 batch) of CAE, Madakasira planted Royal palm saplings on 15$^{th}$ August 2018 in the premises of CAE, Madakasira. The services of NSS volunteers are being utilized for smooth conduct of voting process on the day of poll during the general elections in Andhra Pradesh.

There is another prestigious programme of the University called 'Village Adoption Programme' (VAP) are being implemented by the college. Under VAP, the college adopt one village and works for the overall development of the village including agriculture and allied sectors. The teachers of the college visit the village regularly on one day in a week. The main objectives of this progarmme are

(i) To improve productivity and reduce cost of cultivation through efficient use of inputs
(ii) To improve the overall economic status of the farm families through farming systems approach
(iii) To organize frequent Farmer-Scientist interaction meetings

The CAE Madakasira have adopted 'Gundumala' village, about 13 km from the college, during 2017-2019. Presently, the college has adopted another village namely Chandhakacherla village, about 13 km from the college from 2018-19 and 2019-20. The villages are so selected that they need development and advises on agriculture, horticulture, health and sanitation, marketing and income

generation for the rural women. The various NSS programmes like clean and green programme, blood donation camp, health camp, veterinary camp, various competitive tests for the primary school children in the villages are being conducted in the adopted villages. The farmers, general public and rural women and students are very much benefitted by these programmes of NSS and VAP conducted in the village regularly from time to time. The details of the activities in the adopted villages are given as Annexure-I and Annexure-II.




**Agricos Green Programme and Blood Donation Camp**




**Rally on Jal Shakthi Abhiyan at Adopted Villages, Gundumala on 27.07.2019 and Chandakacherla on 29.07.2019**

## NSS Special Camp Activities at Zilladakunta Village during 2019-20




**Tree plantation on 21.02.2020**




**Health and Veterinary Camp in the Village on 23.02.2020 and 24.02.2020**

## 6.5.4.7. Language Laboratory

A course on '**Communication Skills and Personality Development**' is offered in the Department of Applied Sciences, College of Agricultural Engineering, Madakasira for first year B.Tech (Ag. Engg.) students during first year I semester and is extensively used to nurture effective language efficiency of the students. It is a dedicated course designated to polish the language skills of B.Tech (Ag. Engg.) students of the college. Under this course, the teacher listens and manage the audio and video of each student individually and personally modify the communication skills and personality development requirement of every student. Along with this, an interactive board is also utilized to supplement the teaching of the course curriculum. Videos of various great personalities from India and World are shown to the students to improve the confidence among the students under this course.

## 6.5.4.8. Cultural Centre

A Cultural Center is established as a full-fledged central hub of activities for the students of College of Agricultural Engineering, Madakasira to utilize leisure time of the students in the best possible manners by providing various facilities for their knowledge, comfort and relaxation. It has an auditorium with seating capacity of 200 persons for organizing meetings, functions, seminars and other activities for students. Art exhibitions are also being arranged for students and staff from time to time. An internet facility with interactive board facility is also available for the students in the auditorium. Students are trained on various cultural activities like singing, dancing, mono action etc. Students are motivated to participate in various art exhibition competitions and literary events like drawing, cartooning, rangoli, quiz, debate, essay writing, extempore etc. at College level, Regional level, University level and Inter-University level. Students of College of Agricultural Engineering, Madakasira have succeeded very well in cultural activities during last five years.



**Performance of Cultural Activities by the Students at College and University Level**

The list of the students who participated and won prizes in various cultural activities at University and All India level is given in Table 37.

**Table 37: The List of the Students Who Participated and Won Prizes in Various Cultural Activities at University and All India Level**

| Year | Name of the Student | I.D.No. | Name of the Event | Merit/ Place | Name of Event |
|---|---|---|---|---|---|
| 2019-20 | M. Mounika | ME18-016 | Group Dance (Folk) | First | First phase of Inter-Collegiate Sports, Games, Cultural and Literary Meet for the year 2019-20 conducted at SVBR Agricultural College, Badvel |
| | S. Mounika | ME18-017 | | | |
| | U. Prathima | ME18-023 | | | |
| | P.N.Sangeetha | ME18-031 | | | |
| | A. Sruthi Vani | ME18-038 | | | |
| | P. Sushama Swaraj | ME17-030 | | | |
| | A. Geetha Laskshmi | ME18-007 | | | |
| | A. Mahanthesh | ME17-017 | | | |
| | U. Prathima | ME18-023 | Telugu debate | Second | |
| | S. Sravan Naik | ME18-035 | | | |
| | A. Mahanthesh | ME17-017 | Solo Instrumental | First | |
| | M. Mounika | ME18-016 | Group Dance (Folk) | Participation | 20th All India Inter Agricultural Universities Youth Festival Meet at Indira Gandhi Krishi Vishvavidyalaya, Raipur |
| | S. Mounika | ME18-017 | | | |
| | U. Prathima | ME18-023 | | | |
| | P.N.Sangeetha | ME18-031 | | | |
| | A. Sruthi Vani | ME18-038 | | | |
| | P. Sushama Swaraj | ME17-030 | | | |
| 2018-19 | Sibasish Sahoo | ME 16-033 | Cartooning | First | ANGRAU Inter-collegiate Sports, Games, Cultural and Literary Meet |
| | Sibasish Sahoo | ME 16-033 | Poster making | Third | |
| | R.Rana Pratap | ME 16-027 | | | |
| | K.Malik | ME 16-013 | | | |

| | | | | | |
|---|---|---|---|---|---|
| | M.Vanur Swamy | ME 16-039 | | | |
| | Y.Mohan Babu | MED 17-043 | Mime | Third | |
| | D.Madhu Babu | ME 16-012 | | | |
| | D.Rajasekhar | ME 16-025 | | | |
| | K.Malik | ME 16-013 | | | ANGRAU Agri-carnival Programme |
| | B.Manjunath | ME 16-014 | | Third | |
| | Sk.Khadar Basha | ME 16-008 | Short film | | |
| | Y.Purushotham | ME 16-023 | | | |
| | Shibasish Sahoo | ME 16-033 | Cartooning | Fourth | AGRIUNIFEST) held at Sardakrushinagar Agricultural University (SDAU), Sardakrushinagar, Gujarat |
| **2017-18** | M.Mukunda Madhav | ME 14-010 | Quiz | Second | ANGRAU Inter-collegiate Sports, Games, Cultural and Literary Meet |
| | S.Sasi Kumar Naik | ME 15-022 | | | |
| | S.Sasi Kumar Naik | ME 15-022 | Elocution (Telugu) | Second | |
| **2016-17** | G.Yamuna | ME 13-033 | Extempore | Third | ANGRAU Inter-collegiate Sports, Games, Cultural and Literary Meet |
| | T.Ganesh Varma | ME 13-007 | Collage | First | |
| | G.Gowthami | ME 13-009 | Quiz | Second | |
| | M.Mukunda Madhav | ME 14-010 | | | |
| | R.Sasi Kumar Naik | ME 15-022 | Elocution (Telugu) | First | |
| **2014-15** | -- | -- | Solo song | Third | ANGRAU Inter-collegiate Sports, Games, Cultural and Literary Meet |

## 6.5.4.9. Personality Development

The Training and Placement Committee at College of Agricultural Engineering, Madakasira organizes training and other professional development activities for the students on regular basis to make them employable as per the job requirements. The overall skills of the students of the College is developed through multifaceted activities along with the scheduled course curriculum. These activities include participation of students in the technical contests, project/prototype development competitions etc. organized by various educational institutions and industrial organizations. Practical exposure is given to the students through industrial visit and educational tours. Regular interactions/lectures are also being organized with experts from the industry, leading organizations in public and private sector. Various personality development trainings and classes are being conducted to students by private organizations to improve their communication skills, body language required to face campus interviews. Students are also given trainings on group discussions and debates.





**Motivational Speaker addressing the Students** **Students Participation in Group Discussion**

Some of the personality development classes/technical sessions conducted to students during last five years are given in Table 38.

**Table 38: Personality Development Classes/Technical Sessions Conducted to the Students**

| Year | Date | Activity | Resource Person |
|---|---|---|---|
| 2018-19 | 07.01.2019 | A seminar on "Incubation Centers" | Dr.M.S.Shiva Kiran, Incubation Manager, AIGSKU Confederation, Anantapur |
| | 21.01.2019 | Motivation classes to bild up individual strength mind stability and incresing the self confidence levels | Mr.Sandra Sudheer Kumar, Life Skills Coach, Motivational Speaker, Psychologist, Hyderabad |
| | 22.02.2019 | Motivational class on maintaining concentration in classes, subjects, timely completion of works, hard work etc | Om Shanthi Organization, Hindupur |
| 2017-18 | 10.03.18 to 12.03.18 | Training Program on "Personality Development" | Mr. M. Emaya Varman, Elaya Kumar and S. Narzary, Mind Map Enterprises Pvt. Ltd. Chennai |
| | 13.03.2018 | Stress Management, Goal Setting, Health Management for excellence | Dr. Sudhakara Reddy, Psychologist, Tirupati |
| | 13.03.2018 | Success Manthras for bright future, Transform Youth and transform India, Human Excellence and Professional Excellence | Rama Kanth Sharma, HRD Trainer and PR Consultant, Tirupati |
| 2016-17 | 15.02.2017 | Youth employability skills | Mr. M. Emayavarman, |

| | | | |
|---|---|---|---|
| | | | Director, Mind Map Enterprises Pvt. Ltd., Chennai |
| | 16.02.2017 | Employability assets | Mr. M. Emayavarman, Director, Mind Map Enterprises Pvt. Ltd., Chennai |
| | 17.02.2017 | Entrepreneurship development | Mr. M. Emayavarman, Director, Mind Map Enterprises Pvt. Ltd., Chennai |
| **2015-16** | 05.08.2015 | Motivational class on spirituality, concentration and stress management. | Om Shanthi Organization, Hindupur |
| **2013-14** | 15.03.2014 | Mechanization of horticulture | Dr.G.Senthil Kumar, Senior Scientist, IIHR, Bengaluru |
| | 15.03.2014 | Processing and value addition of millets | Dr.Palani Muthu, Professor, Dept. of Process and Food Engg, UAS, Bengaluru |
| | 15.03.2014 | Design of harvesting machinery for roots and fruit crops | Dr.Surendra Kumar, Professor, AEC & RI, TNAU, Coimbatore |
| | 15.03.2014 | Agri-business development | Dr.Ganapathi, Professor, Dept. of APFE, Directorate of Agri-business Development, TNAU, Coimbatore |
| | 16.03.2014 | Glimpses of post harvest technology and machinery | Dr.S.Kaleemullah, Professor & Head, Dept. of Agril. Engg., S.V.Agril. College, Tirupati |
| | 21.03.2014 | Challenge of climate change causes and effects | Dr.S.Manivannan, Senior Scientist, CSWCRTI, Ooty |
| | 22.03.2014 | Remote sensing applications in agriculture | Dr.T.Giridhar Krishna. ADR, RARS, Tirupati |
| | 22.03.2014 | Farm power and mechanization | Dr.C.Ramana, Principal Scientist, RARS, Tirupati |
| | 23.03.2014 | Farm mechanization and advanced machinery | Dr.S.Joseph Reddy, Principal Scientist, RARS, Nandyal |
| | 24.03.2014 | Sub-surface drainage technologies | Dr.M.Raghu Babu, Professor, CAE, Sangareddy |
| | 25.03.2014 | Rain water harvesting and precision farming | Dr.Ranga Swamy, Professor, Dept. of Soil and Water Engg., TNAU, Coimbatore |

## 6.5.5. Physical Facilities

### 6.5.5.1. Hostels

Sufficient hostel facilities (Boys and Girls) are available in the campus to accommodate the students. Boys are residing in two boys hostels and girl's students are residing in two girls hostels. Four students are being allotted to each room in both boys and girls hostels. About 84 no of students are residing in boy's hostel. About 72 girl's students are residing in girls hostel. Student's accommodation in hostel wise is presented in Table 39.

- Senior faculty member of male is appointed as warden for boy's hostel and senior faculty of female is appointed as warden for girl's hostel to supervise the boarding and lodging arrangements for the welfare of students.
- Hostel mess is equipped with big dining table (6), chairs (40), water cooler (1), Desert coolers(1), refrigerator (1), LED TV with good sound system, ceiling fan (6) and mess helpers (10)
- Hostel is having facilities such as water cooler and guest room
- All the bathrooms of the hostel have solar water heating facility of capacity 1500 liters per day with showers. A disabled friendly latrine is provided in the new boys and girls hostels.
- Ramp for the convenience of disabled students is provided in the new boys and girls hostel
- The hostel is also provided with indoor games (Table tennis, Carrom board, Chess and Shuttle badminton)
- Three dedicated sweepers is deputed for upkeep of the hostel
- The reading room is provided in the hostels with a provision of telugu and english news papers
- CCTV cameras installed at different locations in the hostel
- First aid kit is available in the hostel with Ambulance facility for medical assistance

**Table 39: Hostel Wise Student's Accommodation**

| S.No | Name of Hostel | Capacity | Presently Accommodated |
|---|---|---|---|
| | **BOYS** | | |
| 1 | New boys hostel | 40 | 44 |
| 2 | Agricultural polytechnic hostel (Boys) | 40 | 40 |
| | **GIRLS** | | |
| 3 | New girls hostel | 40 | 32 |
| 4 | Agricultural polytechnic hostel(Girls) | 40 | 33 |




**Hostels for Boys at CAE, Madakasira**




**Hostels for Girls at CAE, Madakasira**

## 6.5.5.2. Examination Hall

There is one examination hall with plinth area of approximately 170.2 sq.m having a seating capacity of 60 students for the conduct of examinations. The examination hall is well ventilated with good natural lighting and artificial lighting facilities. The examination hall is fitted with CCTV cameras for effective monitoring of conduct of examinations.



**Examination Hall**

### 6.5.5.2.1 Seminar Hall

One air-conditioned seminar hall with plinth area of approximately 81 sq.m having a seating capacity of 45 persons is available in the college.



**Seminar Hall**

## 6.5.5.3. Sports and Recreation Facilities

To provide a healthy physical environment to the students, the college has play fields over an area of 10 acres. Facilities are available for indoor and outdoor games. The different sports infrastructure available at College of Agricultural Engineering, Madakasira is given in Table 40.

**Table 40: Sports Infrastructure Available at College of Agricultural Engineering, Madakasira**

| S.No. | Game | Available Infrastructure |
|---|---|---|
| 1 | Athletics | Athletic track |
| 2 | Ball Badminton | One outdoor Court |
| 3 | Cricket | Pitch |
| 4 | Indoor Gymnasium | Well-equipped Gym |
| 5 | Table Tennis | Two Table Tennis Boards (Separate for boys and girls) |
| 6 | Volley Ball | Two Volley Ball Courts (Separate for boys and girls) |
| 7 | Shuttle Badminton | Two Indoor Shuttle Badminton courts (Separate for boys and girls) |
| 8 | Tennicoit | Tennicoit Court |
| 9 | Caroms | 2 Indoor carom boards (Separate for boys and girls) |
| 10 | Chess | 4 Indoor Chess boards |



**Volley Ball Court for Boys and Girls**



**Ball Badminton Court for Boys and Girls**



**Cricket Ground**



**TenniKoit Court for Girls at CAE, Madakasira**



**Table Tennis Board at CAE, Madakasira**



**Carom Board at CAE, Madakasira**



**Indoor Gymnasium at CAE, Madakasira**

Organized the Inter-Polytechnic Sports, games, Cultural and Literary Meet 2018-19 at College of Agricultural Engineering, Madakasira from **27.01.2019** to **31.01.2019** for the **18 constituent polytechnic colleges of ANGRAU** for the first time in A.P. after bifurcation of the state as well as University.





**Inter-Polytechnic Sports, games, Cultural and Literary Meet 2018-19 from 27.01.2019 to 31.01.2019 for the 19 constituent polytechnic colleges of ANGRAU at CAE, Madakasira**

## 6.5.5.3.1 College Canteen

The College has a canteen for students and staff. The college canteen has a committee headed by senior faculty to monitor the food quality and pricing.

## 6.5.5.4. Auditorium

One well ventilated auditorium with plinth area of approximately 295.5 sq.m having a seating capacity of 200 persons is available in the college with facilities like over head projector, good sound and lighting system.



**200 Seating Capacity College Auditorium**

### 6.5.5.5. Exhibition Hall

The hall is used to showcase the latest technology developed in the college and activities conducted in the college.



**Exhibition Hall**

## 6.5.6. Research Facilities

At present, the college has no PG programme. The PG students of department of Soil and Water Engineering from College of Agricultural Engineering, Bapatla are being deputed to this College to carry out their research programme at this campus by utilizing the laboratory facilities in the department of Soil and Water Engineering.

### 6.5.6.1. Postgraduate Laboratories and Equipment

The Department –wise laboratories and equipment in the college is given in Table 41.

**Table 41: Department-wise Laboratories and Equipment for Students**

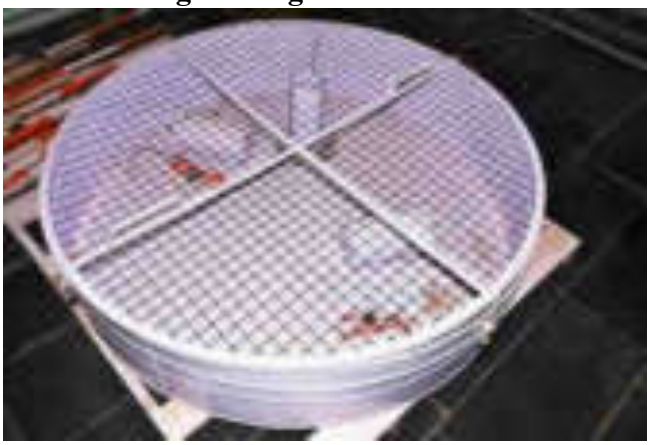
| Name of Laboratories | Name of equipment |
|---|---|
| **Department of Soil and Water Engineering** | |
| **1.Soil and water management Lab** | • Moisture meter and other moisture |

| | |
|---|---|
| | measuring devices |
| **2.Field irrigation laboratory** | • Water measuring devices<br>• Drip and sprinkler irrigation systems<br>• Field methods of surface irrigation system<br>• Centrifugal and submersible pumps<br>• Poly and net houses |
| **3.Irrigation and Drainage laboratory** | • Double ring infiltrometer<br>• Soil and water conservation models<br>• Pressurized irrigation system models<br>• Tile drains mould<br>• Cut section of various pumps<br>• Drip tape |
| **4.Computer lab** | • Computers with printer<br>• Various software relating to measurement for water requirement |

**Department of Soil and Water Engineering**



**Drip Irrigation Equipment**



**Pan Evaporimeter**



**Watershed Model**



**Farm pond**

### 6.5.6.2. Research Contingency

The detailed year wise research contingency in the college is given in Table 42.

**Table 42: Year-wise Research Contingency in the College**

| Year | Recurring Contingency (Rs. Lakhs) | Non- Recurring Contingency (Rs. Lakhs) | Total (Rs. Lakhs) |
|---|---|---|---|
| 2013-14 | 26.62 | --- | 26.62 |
| 2014-15 | 28.42 | --- | 28.42 |
| 2015-16 | 33.79 | --- | 33.79 |
| 2016-17 | 39.99 | 4.98 | 44.97 |
| 2017-18 | 42.49 | --- | 42.49 |
| 2018-19 | 50.94 | ---- | 50.94 |

## 6.5.7. Outcome/Output

### 6.5.7.1. Student Performance in National Examinations

The information related to performance of the students in various National examinations is presented in Table 43.

**Table 43: Performance of the Students in Various National Examinations**

| Year | Number of Students | | | | | |
|---|---|---|---|---|---|---|
| | G A T E | JRF | SRF | N E T | A R S | OTHERS |
| 2013-14 | 3 | 4 | - | - | - | 1 |
| 2014-15 | 4 | 19 | - | - | - | 1 |
| 2015-16 | 2 | 4 | - | - | - | 1 |
| 2016-17 | 2 | 5 | - | - | - | 1 |
| 2017-18 | 2 | 3 | - | - | - | - |
| 2018-19 | 5 | 5 | - | - | - | -- |



**Appreciation Awards to GATE 2019 Rankers during 7th College Day Celebrations (Students got 2nd, 47th, 68th, 145th, 125th, 166th, 199th and 267th in GATE 2019 Examination)**

### 6.5.7.2. Students Placement Profile

The year-wise students placement details are given in Table 44.

**Table 44: Year-wise Students Placement**

| Year | Number of Students | | | | |
|---|---|---|---|---|---|
| | Placement through campus | Banks / PSU | State/Departments | Self employed | Higher studies in India / abroad |
| 2013-14 | 5 | 0 | 2 | 4 | 4 |
| 2014-15 | 8 | 0 | 3 | 7 | 13 |
| 2015-16 | 6 | - | 12 | 4 | 10 |
| 2016-17 | 2 | - | 1 | 3 | 9 |
| 2017-18 | 5 | - | - | 8 | 12 |
| 2018-19 | 10 | 3 | - | 3 | 10 |
| 2019-20 | 9 | - | 5 | 6 | 9 |

### 6.5.7.3. Awards/Recognitions/Certificates

The awards /recognitions/certificates won by the faculty is given in Table 45 and 46.

**Table 45: Awards or Recognitions to the Faculty**

| Sr.No. | Name of the Award | Number of Awards |
|---|---|---|
| 1 | Patents | 4 |
| 2 | Meritorious Research Scientist Award | 2 |
| 3 | Outstanding Research Scientist Award | 1 |
| 4 | Dr. I. V. Subba Rao Rythu Nestham Purakshram | 1 |
| 5 | Best Citizens of India Award | 1 |
| 6 | Rashtriya Gaurav Award | 1 |
| 7 | Ugadi Puraskaralu — State Best Research Scientist Award | 1 |
| 8 | Best Research Officer | 1 |
| 9 | IPNI Scholar award | 1 |
| 10 | South Asian Education Awards-18 | 1 |
| 11 | Outstanding Faculty in Agriculture | 1 |
| 12 | Appreciation certificate | 1 |
| **Total** | | **16** |

**Table 46: Awards Received by the Faculty**

| S.No. | Name of the Teacher | Name of the Award | Awarding Organization | Year of Award |
|---|---|---|---|---|
| 1. | **Dr. K. Ashok Kumar** Associate Professor | **IPNI Scholar award** Comprising a cash prize of **USD 2,000** and a commendation certificate | International Plant Nutrition Institute, USA | 2015 |
| 2. | **Dr. K. Ashok Kumar** Associate Professor | **3rd South Asian Education Awards-18 Special Mention certificate** (Young Scientist category) | EET CRS Research wing for Excellence in Professional Education & Industry, Hyderabad | 2018 |
| 3. | **Dr. K. Ashok Kumar** Associate Professor | **Outstanding Faculty in Agriculture** | Venus International Foundation, Chennai | 2018 |



**IPNI Scholar award**



**Outstanding Faculty in Agriculture**

The awards/ recognitions / certificates won by the student in Academics and sports and cultural activities is given in Table 47 and 48.

**Table 47: Awards /Recognitions Won by the Students**

| Sr.No. | Name of the Award | Number of Awards |
|---|---|---|
| **1** | Best Paper /Poster Awards | 2 |
| **2** | Fellowships (UGC, INSPIRE, CSIR, ICAR, HRD) | 15 |
| **3** | Innovative Student Project | 1 |
| **4.** | Appreciation certificates | 6 |
| **Total** | | **24** |

**Table 48: Sports Awards to the Students**

| Year | Competition | Award | Event |
|---|---|---|---|
| **2013-14** | Inter Collegiate Games Sports, Cultural &Literary Meet | 1.Second Place<br>2. Second Place<br>3. Second Place<br>4. Second Place | 200 m Running (Boys)<br>High Jump (Boys)<br>Carroms (Boys)<br>Chess (Boys) |
| | Central zone Cricket tournament Kakatiya University Warangal | Participation | Cricket —2 students |
| | 15th All India Inter Agricultural Universities Meet at AAU,Jorhat | Participation | Kabaddi—1 student |
| **2014-15** | Inter Collegiate Games Sports, Cultural &Literary Meet | 1.Winners<br>2.Second place<br>3. Second place<br>4. Second place<br>5. Second place<br>6. Second place<br>7. Second place<br>8.Winners<br>9.Third place<br>10. First place.<br>11. Third place<br>12. Winners. | 4 x400 Metres Relay (Boys)<br>4x100 Metre Relay (Boys)<br>100 m Running (Boys)<br>200 m Running (Boys)<br>High Jump (Boys)<br>Table Tennis (Girls)<br>Carroms (Girls)<br>Volleyball (Girls)<br>Javelin Throw(Girls)<br>Collage(Girls)<br>Solo Song(Girls)<br>Carroms (Boys) |
| **2015-16** | Inter Collegiate Games Sports, Cultural &Literary Meet | 1.Winners<br>2.Winners<br>3.Winners<br>4.Winners<br>5.Winners<br>6. Overall Championship Award<br>7.Second Place<br>8.Third Place<br>9. Second Place<br>10. Second Place<br>11. Second Place<br>12.Winners | Volleyball (Girls)<br>Ball Badminton (Girls)<br>Table Tennis (Girls)<br>Carroms (Girls)<br>Chess (Girls)<br>**Girls**<br>Javelin throw(Boys)<br>4 x400 Metres Relay (Boys)<br>4x100 Metre Relay (Boys)<br>100 m Running (Boys)<br>200 m Running (Boys)<br>Chess (Boys) |
| | 16th All India Inter Agricultural Universities Meet at TNAU Coimbatore | Participation Certificate | Volleyball -2<br>(1 Boy and 1 Girl)<br>Table Tennis-1 (Girl)<br>Athletics-1 (Boy) |

| | | | |
|---|---|---|---|
| **2016-17** | Inter Collegiate Games Sports, Cultural &Literary Meet | 1. Second Place & Third Place<br>2. Second Place& Third Place<br>3. Third Place<br>4.Winners<br>5. Second Place<br>6. Winners<br>7. Winners<br>8. Winners<br>9.Runners<br>10. Third Place<br>11. Second Place<br>12. Third Place<br>13.Overall Championship Award<br>14. Third Place | 100 m Running (Boys)<br>200 m Running (Boys)<br>400 m Running (Boys)<br>Long Jump (Boys)<br>4x100 Metre Relay (Boys)<br>Volleyball (Girls )<br>Ball Badminton (Girls )<br>Table Tennis (Girls )<br>Carroms (Girls )<br>200 m Running (Girls)<br>Javelin throw(Girls)<br>Discuss Throw Girls<br>**Girls**<br>Extempore<br>Collage<br>Quiz<br>Elocution Telugu |
| **2017-18** | Inter Collegiate Games Sports, Cultural &Literary Meet | 1.Winners<br>2. Winners<br>3.Runners<br>4.First Place<br>5. Third Place<br>6. First place<br>7.Second place<br>8. Second place<br>9. Second place<br>**10.Overall Championship Award** | Volleyball (Girls )<br>Tennicoit (Girls )<br>Table Tennis (Girls )<br>Javelin throw(Girls)<br>Mime (Boys)<br>200 m Running (Boys)<br>1500 m Running (Boys)<br>Quiz<br>Elocution Telugu<br>**Girls** |
| **2018-19** | Inter Collegiate Games Sports, Cultural &Literary Meet | 1.Winners<br>2. Winners<br>3.Runners<br>3.First Place<br>4. First Place<br>5. Third Place<br>6. Third Place<br>7. First place<br>8. First &Second places<br>9. Second & Third places<br>10. Third Place<br>11. Third Place | Volleyball (Girls )<br>Tennicoit<br>Table Tennis (Girls )<br>Javelin throw(Girls)<br>Cartooning (Boys)<br>Poster making (Boys)<br>Mime (Boys)<br>200 m Running (Boys)<br>1500 m Running (Boys)<br>3000 m Running (Boys)<br>4x 400 Metre Relay (Boys)<br>Discuss Throw (Boys) |
| | 19th All India Inter Agricultural Universities Meet at PAU,Ludhiana | Participation | Volleyball( Boys&Girls) 1 each<br>Table Tennis (Girls) -1<br>Athletics (Boys)-2<br>Shuttle Badminton (Boys)-1 |
| | 19 th All India Inter Agricultural | 1.Fourth Place | Cartooning (Boys)-1, |

| | | | |
|---|---|---|---|
| | Universities Youth Festival at SKDAU,Sardar Krushinagar,Gujarat | | |
| **2019-20** | First Phase of Inter-Collegiate Sports, Games, Cultural and Literary at SVBR Agricultural College, Budvel | 1.Winners<br>2. Winners<br>3. Second place<br>4. Second place<br>5. First place<br>6. First place | Volley Ball<br>Ball Badminton<br>High jump<br>Telugu debate<br>Solo Instrumental<br>Group dance |
| | Second Phase Inter-Collegiate Sports, Games at Agricultural College, Bapatla | 1. Second place<br>2. Third place<br>3. Second place | Shot put<br>800 m running<br>3000 m running |
| | 20th All India Inter Agricultural Universities Youth Festival Meet at Indira Gandhi Krishi Vishvavidyalaya, Raipur | Participation | Group dance |
| | XX All India Inter Agricultural Universities Meet to be held at S.V. Veterinary University, Tirupati | Participation | Volley Ball |





**College of Agricultural Engineering, Madakasira girl students have won the Volley Ball and Ball Badminton during Inter-Collegiate Sports, Games, Cultural and Literary at SVBR Agricultural College, Budvel from 30.09.2019 to 04.10.2019**

## 6.5.7.4. Employability

This College has developed an excellent Training and Placement (T & P) cell, which is headed by a senior faculty member to take care of the training and employment needs of the students and graduates. The Training and Placement cell has been maintaining excellent rapport with government, non-government and private organizations constantly taking the feedback from them for updating the requirements of the graduates. The job opportunities for agricultural engineering graduates exist in the state department of agriculture, rural development department, agro-industries development corporation, Banks, reputed private industrial organizations related to farm machinery and implements, micro-irrigation, food processing- value addition, seed processing and NGOs related to watershed development. The Alumni of the College have been occupying prestigious positions in academic institutions, tractor industry, agro-industries corporation, rural development department, food processing industry and also pursuing advanced research in national and international organizations.

(a) Practical exposure is being given to the students by arranging field visits to well established watershed areas to create awareness on different water conservation structures, milk Chilling centre, cold storage unit, dhal mill, packaging industry, tamarind processing units, groundnut processing industries, wind energy plant and wood machinery shop.





**Visit to Sri Anantha Sai Traders, Manufacturers of Tamarind Seed Processing at Madakasira**





**Visited to Milk Chilling Centre and Packaging Industry, Madakasira**




**Students visited the wind energy plant at Penukonda on 22.02.2020**

(b) Regular interactions/lectures are being arranged to the students with experts from reputed educational institutions and leading organizations in public and private sector.



**Motivation Class with Mr. Sudheer Kumar, Motivational Speaker, Hyderabad on 21.01.19**



**Guest Lecture by Hon'ble DDG of ICAR Dr. K. Alagasundaram Garu on 01.05.2019**



**Interaction with Sri. Venkata Ramaiah garu, Rtd. Professor, College of Agricultural Engineering, Bapatla on 17.12.2019**



**A Seminar by Dr. Srinivasulu Ale, Associate Professor (Geospatial Hydrology), Department of Biological and Agricultural Engineering, Texas A&M University on 23.12.2019**

## 6.5.8. SSR of the Degree Programme of the College

The Self Study Report of the degree programme of the College of Agricultural Engineering, Madakasira is herewith attached.

## 6.5.9. Certificate

I, the Associate Dean, hereby certify that the information contained in Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the college and degree awarding university.



Signature of the Associate Dean of the College
with Date & Seal

# SELF STUDY REPORT

## (2013-14 to 2019-20)
## for
## ACCREDITATION
## OF
## B.Tech (Ag. Engg.) DEGREE PROGRAMME




**ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY**
**COLLEGE OF AGRICULTURAL ENGINEERING**
**MADAKASIRA – 515 301 (A.P)**
**ANANTAPURAMU (Dist.)**

# Self Study Report 2019

## B.Tech. Programme

College of Agricultural Engineering,
Madakasira – Andhra Pradesh - 515301

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## Self Study Report Preparation Team

| | | | |
|---|---|---|---|
| 1. | Dr. P.V.K. Jagannadha Rao | Associate Dean | Chairman |
| 2. | Dr. T.V. Satyanarayana | Prof. & Head, Soil and Water Engineering | Member |
| 3. | Dr. B. Manjula | Assistant Professor, Dept. of Processing & Food Engineering | Member |
| 4. | Dr. G. Muralee Krishna | Associate Professor, Dept. of Irrigation and Drainage Engineering | Member |
| 5. | Dr. K. Ashok Kumar | Associate Professor, Dept. of Agronomy | Member |
| 6. | Er. D. Vijay Kumar | Assistant Professor, Dept. of Farm Power & Machinery | Member |
| 7. | Er. N. Ashok Kumar | Assistant Professor, Dept. of Soil and Water Engineering | Member |
| 8. | Er. Ch. Ratna Raju | Assistant Professor, Dept. of Soil and Water Engineering | Member |
| 9. | Er. D. Srigiri | Assistant Professor, Dept. of Farm Power & Machinery | Member |
| 10. | Er. V. Shobhan Naik | Assistant Professor, Dept. of Renewable Energy Sources | Member |
| 11. | Er. M.R.Pooja | Teaching Associate, Dept.of Processing & Food Engineering | Member |

**Guidance & Critical Inputs**

Dr. K.Yella Reddy

Dean of Agricultural Engineering & Technology

## B.TECH. DEGREE PROGRAMME


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## 6.4.1. Brief History of the B. Tech (Agricultural Engineering) Programme

Keeping the manpower requirements in the profession of agricultural engineering in the state of Andhra Pradesh in view, the Government of Andhra Pradesh has started the 4-year B. Tech (Agricultural Engineering) programme in the College of Agricultural Engineering, Madakasira, AP in the year 2008 for the benefit of farmers, agriculture sector and the industry. It was the second college in the erstwhile AP state established to offer the UG programme in agricultural engineering. The first one being at Bapatla in Guntur district. In the preceding five years, a study was conducted scientifically to explore the measures to be taken in the state to enhance the productivity and profitability in agriculture and to make it more attractive for the farmers. The enhancement in cropping intensity and the irrigation intensity, value addition to the agricultural and horticultural products and reduction in cost of cultivation through farm mechanization were found to be the immediate requirements. To meet these requirements, it was observed that the engineering and technological interventions are to be brought into agriculture to make it more profitable, productive with reduced cost of cultivation. The development of trained manpower in agricultural engineering through UG education in agricultural engineering in the form of a 4 – year B. Tech. (Agril. Engg.) degree at one more college was felt as an essential requirement in the state. Accordingly, the College has been offering a 4-year B.Tech (Agricultural Engineering) since its inception in 2008.

The B.Tech. (Agril. Engg.) programme has been provided with standard syllabus and course curriculum following the 4$^{th}$ Deans' Committee recommendations of ICAR earlier and presently the 5$^{th}$ Dean' Committee recommendations with all programmes of STUDENT READY, ELP and In-Plant Trainings as stipulated by the ICAR. The Government have provided grants for development of infrastructure in the college in the form of well designed buildings, state-of-the-art equipment in different laboratories, sports and games facilities in the campus. The College has excellent training facilities and hands-on training for UG education to develop manpower to meet the present day requirements of agriculture for its profitability and sustainability through technological interventions. Since, the next green revolution is to be achieved through the engineering interventions in agriculture and allied sectors, this college has been given the mandate of producing trained manpower in agricultural engineering with quality higher agricultural education and research. The infrastructural facilities and lab facilities so developed are even worthy of starting PG programmes in the College very soon. For offering the B.Tech programme, the college has the Departments of (1) Farm Machinery and Power Engineering (2) Soil and Water Conservation Engineering (3) Processing and Food Engineering (4) Irrigation and Drainage Engineering (5) Renewable Energy Resources (6) Basic Engineering (Civil, Mechanical, Electrical, Computer Engineering) Sciences and (7) Applied and Agricultural ( Mathematics, Agronomy, Soil Science, Agril Extension, Agril. Economics) Sciences. The job opportunities for agricultural engineering graduates exist in the state department of agriculture, rural development department, agro-industries development corporation, Banks, reputed private industrial organizations related to farm machinery and implements, micro-irrigation, food processing value addition, seed processing and NGOs related to watershed development. The College has developed an excellent training and placement cell to take care of the training and employment needs of the students and graduates. The T&P cell has been maintaining excellent rapport with government, non-government and private organizations constantly taking the feed back from them for updating the requirements of the graduates.

The first batch of students of B.Tech. (Agril. Engg.) graduated in 2012. Around 250 B. Tech students have passed out from the College since it inception. The Alumni of the college has also been supporting the College and the T&P cell in their pursuit of providing employment opportunities to the graduates. The alumni involvement and support has also been helping the college in placing the students for In-Plant training, Experiential learning Programme in the corporate sector and also job placements in industrial sector. The Alumni of the College have been occupying prestigious positions in academic institutions, tractor industry, agro-industries corporation, rural development department, food processing industry and also pursuing advanced research in national and international organisations. The College is also a strong partner of the ISAE-AP Chapter and has lot of professional support to the college through organisation of seminars and workshops for the benefit of the faculty and students. The faculty of the college is well determined to make the students of the college competitive by providing special classes for the GATE, JRF and other competitive examinations. As a result, the B.Tech. (Agril. Engg.) students of the College have been securing a number of very good ranks in the last five years. As one of best examples to cite, the College students achieved All India 2$^{nd}$ Rank in GATE-2019 and other top ranks. Also, six (6) students have secured good ranks in ICAR-JRF examination and got admission into M.Tech. programme in different SAU's. Few more students have secured admission into MS programmes in Canada with full scholarship. This shows the hard work combined with determination of the students and commitment of the staff.

In partial fulfilment of the requirements of the B. Tech. (Agril. Engg.) Degree, the final year students have contributed to the development of Inter and Intra Weeder for Mini tractor, Value Addition for Ground Nut through processing products like Ground Nut Butter, Milk, Curd and Paneer, Multi-purpose Combination Tillage and an Electrical operated machine for producing edible films for food packaging during the last year (2018-2019). Now, the B. Tech. (Agril. Engg.) programme with its enhanced infrastructural facilities, state-of-the-art equipment, committed teachers, administrative and non-teaching staff, outsourcing and other contract staff is continuously contributing towards excellence in agricultural engineering education and research. The UG programme has been benefitting the farmers in the State in general and the Rayalaseema region of the state in particular through the trained agricultural engineering graduates to support the governmental and non-governmental programmes offered to the farmers to improve their income through enhanced productivity, profitability, value addition and reduced cost of cultivation.

**Our Vision**

To make College of Agricultural Engineering, Madakasira an integrated center for academic excellence of agricultural engineering education and research in agriculture and allied fields in making agriculture more remunerative to farmers.

**Our Mission**

To serve the farming community and enhance their quality of life through excellence in education, research, development and transfer of agricultural technologies.

## 6.4.2. Faculty Strength

The faculty has competent and well qualified faculty to accomplish the mission and goals of the programme and to contribute towards effective teaching and student learning outcomes. The faculty strength, sanctioned and in-position, at the college level for teaching B.Tech. (Agril. Engg.) students is presented in Table 1. Out of 14 faculty in-position, 43% have Ph.D degree. Two faculty members have been deputed for 1 year on study leave to persue Ph.D programme. The total faculty strength in the college is well above that specified by the ICAR 5$^{th}$ Dean's committee recommendations.

**Table 1: Faculty Strength in the B.Tech. (Agril. Engg.) Programme**

| S.No. | Faculty | Sanctioned | In-position | Vacant position |
|---|---|---|---|---|
| 1 | Professors and equivalent | 06 | 03 | 03 |
| 2 | Associate Professors and equivalent | 08 | 02 | 06 |
| 3 | Assistant Professors and equivalent | 17 | 09 | 08* |
| | **Total** | **31** | **14** | **17** |

* 4 Part - time teachers were engaged against the vacant posts of Assistant Professors to deal Basic Engineering and Applied Sciences.

The college faculty is listed in Table 1 is engaged to teach the courses of UG programme of this college. The faculty of Processing and Food Engineering, Soil and Water Engineering and Irrigation drainage Engineering are engaged in PG programme research as per the university guidelines.

## 6.4.3. Technical and Supporting staff

The programme has sufficient technical/laboratory/farm staff/supporting staff to cater the needs of students in conducting practical and field experiments. The strength of the staff under the programme/college is given in Table 2.

**Table 2: Technical and Supporting Staff Strength for the Programme**

| S.No. | Faculty | Sanctioned | In-position | Vacant position |
|---|---|---|---|---|
| 1 | Technical staff | 26 | 17 | 09 |
| 2 | Supporting staff | 03 | 03 | 0 |
| 3 | Field staff | 06 | 06 | 0 |
| | **Total** | **35** | **26** | **09** |

## 6.4.4. Classrooms and Laboratories

The information regarding classrooms, laboratories and other facilities available under B.Tech (Ag.Engg.) programme is presented in the Tables 3 and 4. On average forty students are located in one theory class and twenty in a practical class.

**Table 3: Number of Classrooms, Laboratories and other Facilities**

| S.No | Particulars | Count |
|---|---|---|
| 1 | Classrooms | 4 |
| 2 | Laboratory | 13 |
| 3 | Library | 1 |
| 4 | Workshops | 2 |
| 5 | Others (Seminar room, Committee room, Auditorium etc.) | 3 |

## 6.4.5. Conduct of Practical and Hands-on-Training

The practical and hands on training are conducted in the respective labs of different subjects as per the scheduled timetable for every week. The practical manuals of the courses are available in the labs for reference. Students are exposed to the latest happening in the field during compulsory educational tour to the relevant industry. Students are exposed to different equipment which are mostly used by industry and institution of eminence in developed countries.

B. Tech. students are imparted training in basic manufacturing processes and they get hands-on practice in different workshop practices; different farm equipment; IC engine, Drilling of tube wells, measurement of EC, $p^H$, TDS, design of drainage system, design of soil and water conservation structures, evaluation of pumps, design and field evaluation of irrigation systems both surface and pressurized methods; irrigation water measurement methods, well hydraulic studies, verification, etc.

Basics and applications of 2D drafting and 3D modelling and hands on Training using CAD/CAM and Machine Drawing. Renewable energy devices viz., Solar Lantern, Solar module, Solar Water Heater, solar cooker, etc., different unit operations involved in processing and value addition of cereals and oil seeds; exposure to working of various types of cleaners, sorter and graders etc. Students also work in different pilot plants like, dairy plant and food processing equipments. Hands on training are also provided on various physical quality control equipments like specific gravity separator and pneumatic separators. The student performs practical sessions to learn basic concepts of surveying, testing of soil and water related parameters and strength of various different engineering materials which helps them in grasping fundamentals and better management of tasks during the jobs.




**B.Tech (Ag. Engg.) Students involved in Hands on Practical Training at CAE, Madakasira**

**Skill Development Training and Industrial Attachment (Off-Campus) - I, II and III (SRDY-281, 381 and 481)**



**ARS, Anantapuramu**



**GALLA Foods**



**ICAR-CIAE-RC, Coimbatore**



**VST, Bengaluru**

**Experiential Learning Programme On-campus, SRDY-482**





**Khoa preparation**





**Vegetable production** **Fabrication of farm implements**

**Educational Tour, SRDY-483**





**Visit to CSIR-CFTRI, Mysore** **Visit to ICAR-CTCRI, Trivendrum**

## 6.4.6. Supervision of Students in B.Tech. (Ag. Engg.) programme

Each student is allocated an academic advisor, who keeps academic record of the student. Meeting of students are scheduled with their academic advisors every Saturday in after noon from 1.00 PM – 2.00 PM to monitor the progress and problems faced by them during the course of study.

## 6.4.7 Feedback of Stakeholders

Feedback is taken from the students during weekly meetings with academic advisors. The faculty also take feedback after finishing the course. Faculty meetings are held regularly to discuss the various issues of the students. The parent-teacher meetings are being conducted at the time of registration of promoting semester to inform the parents about their children progress and also brief them about the final theory examinations results of previous semester, attendance and advisory system. Further, regular interactive sessions of the staff and students are held with the progressive farmers of local region, industrial representatives and public organizations, wherein the feedback regarding the

requirements are also taken into account and efforts are made to incorporate and implement the suggestions in the course curriculum at College level.

Various training programmes were organized to the local progressive farmers, technical staff of agriculture department and allied sectors for last five years and the feedback was taken from them to strengthen the academic activities. During on-campus placement drive, reputed national and multi-national companies visit the college for recruitment of fresh agricultural engineering graduates that serves as a platform for the feedback with regards to the industry requirements.

**Table 4: List of Training Programmes Conducted to Local Progressive Farmers with Technical Staff of Department of Agriculture and SFMRTI, Galradinne**

| Year | Name of training programme | Date | Type of trainees | Number of trainees attended | Funding agency |
|---|---|---|---|---|---|
| 2018-19 | Post Harvest Technology of Groundnut | 03.11.2018 | NSS adopted village farmers | 42 | ANGRAU |
| | Farm mechanization of Dryland Agriculture | 27.11.2018 | NSS adopted village farmers | 42 | ANGRAU |
| | Value added products from groundnut | 02.03.2019 | NSS adopted village farmers | 40 | ANGRAU |
| | Farm Mechanization and Allied Farm Engineering Technologies | 02.05.2019 | Madakasira agriculture division progressive farmers | 54 | RKVY |
| | Farm Mechanization and Allied Farm Engineering Technologies | 04.05.2019 | Madakasira agriculture division MPEOs | 38 | RKVY |
| 2016-17 | Operation and maintenance of agricultural machinery | 26.07.2016 | Madakasira mandal progressive farmers | 50 | TNAU, Coimbatore |
| 2014-15 | Farm mechanization in groundnut | 04.05.2014 | Madakasira mandal progressive farmers | 56 | RKVY |




**Training Programmes Conducted for the Progressive Farmers Visit**



**Written Examination Conducted by M/S Sujay Micro Irrigation, Bengaluru**



**Personal Interview Conducted by HDFC Bank, Hyderabad**




**One day training programme was conducted on "Value Added Products from Groundnut Kernels" to women farmers of villages R. Anantapuram and Echaleddi, Madakasira mandal on 04.12.2019**





**One day training programme was conducted on "Farm Mechanization in Dryland Agriculture" in coordination with Dept. of Agriculture, Madakasira to Progressive Farmers of Madakasira Agriculture Division on 06.12.2019**

**Testimonials from the Alumni students from College of Agricultural Engineering, Madakasira**

TESTIMONIAL

As an alumnus of College of Agricultural Engineering, Madakasira, I could not be prouder of the college's past and present, nor more optimistic about its future. I believe CAE, Madakasira has come a long a way in terms of infrastructure and laboratories in the last decade. However, the one constant is the excellent pedagogy of the instructors and their willingness to go the extra mile to help students better prepare for the increasingly competitive world. In my opinion, this college stands out from the bunch with its smaller class size contributing to great student to professor ratio and providing opportunities for students to assist in prestigious central research institutes. Studying at CAE, Madakasira has been one of the best decisions I have ever made, and it has changed my career trajectory for better.

TESTIMONIAL

I, Sneha Chevuru, Masters student graduated recently from Wageningen University and Research, Wageningen, Netherlands. I am an Alumni of College of Agricultural Engineering (CAE), Madakasira and passed out in the year 2016. It gives me great pleasure to say with pride that I have completed my Bachelor's degree in Agricultural Engineering from, CAE. The relationship between faculties and student is very cordial, which gave me an opportunity to excel in my area of interest. I noticed the best teachers who had great command and the best laboratory facilities in their subject field. The teachers have always wanted to impart the information and have always been inspired for the better future. From the first year till the last year, teaching fraternity and management did an exceptional job in grooming me for the better life that lies a head. Apart from all the engineering studies, I also developed several pertinent skills in the institute which will definitely prove its worth in the professional workplace. In a nutshell, those 4 years were a perfect concoction of knowledge, growth, humour and emotional intelligence. Professors offered me best advice and support to make a career successful. I really thank CAE from the bottom of my heart for making me what I am today, for shaping my future. The college is one of the fast-growing institutes and has significantly grown both in academics and facilities in the last 10 years. I humbly state that, from this prestigious institute CAE, Madakasira, the first phase of my productive career begins, and I hope that the institute will always aim to impart better knowledge and inspire students towards a better future.

Sneha Chevuru
+31 647606355

## TESTIMONIAL

[redacted]

## TESTIMONIAL

[redacted]

[redacted]

## TESTIMONIAL

[redacted]

## TESTIMONIAL

I am N. Nagarjuna Reddy, a pass out of 2015 batch from College of Agricultural Engineering Mudhukuru (CAE Mudhukuru) and currently pursuing a PhD degree from Indian Institute of Technology Kharagpur. The campus life in CAE Mudhukuru is filled with positive energy. I am really lucky to have been a part of this college. The teaching staff and the working environment in the campus have a great contribution in developing my technical skills of the engineer and also in getting All India Rank 102 in GATE 2017 which helped me in joining M. Tech. programme in IIT Kharagpur. The association with this college for four years is a never forgettable experience. I can proudly say that the very first step of my successful career started from this college. Not only the technical knowledge but also the infrastructure of the college has been helping students in participating various activities/events across the country. I hope that the college will always strive to impart better knowledge and motivate the students for better future.

(N. Nagarjuna Reddy)
[redacted]

## TESTIMONIAL

I, Sankshit R, presently working as supervisor in Hunter castle (P)Ltd Sandy, Hyderabad, is an Alumni of College of Agricultural Engineering, Madakasira, passed out with, B.Tech (Agricultural Engineering) degree in the year of 2016. I was a student of the 2012 batch and associated with the College of Agricultural Engineering Madakasira for four years from 2012 to 2016. In my association as a student with the college, I found the best teachers who had expertise in their respected domain and provides the best laboratory facilities. The teachers are focussed drivers, always motivated hand to impart knowledge, and always motivated towards a better future. I proudly announce that I secured a State Level 9th Rank in PGCET-2019 and got admitted to the Dr. HYR College of Agricultural Engineering, ANGRAU, Bapatla, for the PG Programme in Processing and Food Engineering. The wholehearted mentoring and motivation by the faculty played a crucial role in my achievements.

I humbly state that the first step of my successful career is started from this prestigious institute College of Agricultural Engineering, Madakasira, and hope that the institute will always strive to impart better knowledge and motivate the students for a better future.

(SANKSHIT R.)
+91-8885972777
sankshitreddy@gmail.com

## TESTIMONIAL

I, Mr. Venugopal Nigandoju recently worked as an Assistant Professor in Dept. of Civil and Environmental Engineering, Tokyo Metropolitan University, Tokyo, Japan. I am an Alumni of College of Agricultural Engineering, Madakasira passed out with B.Tech (Agricultural Engineering) degree in the year of 2014. I was a student of 2010 batch and associated with the college for 4 years from 2010 to 2014. I am one of the first batch students of the college. Since association as a student with the college, I found the best teachers who had great command on their subject area and best laboratory facilities. The teachers always strived to impart the knowledge and always motivated towards the better future. The college helped me to mould the professional and to work as passionate life. Professors provided the best guidance and support to succeed in career. I also proudly announce that, I secured an All India Rank 204 in GATE-2015 and got admitted in Indian Institute of Technology, Kharagpur for M.Tech Programme in Coast and Water Engineering because of the continuous monitoring and motivation of the teachers. Furthermore, I went to Japan to pursue my PhD at Tokyo Metropolitan University. Today I am successfully completed my PhD program.

The college is one of the best-growing institutes and imparted a lot in last 10 years as infrastructure as well as facilities. From through I graduated from this college, the professors provided the best guidance whenever I needed it. I humbly state that, the first step of my successful career is started from this prestigious institute College of Agricultural Engineering, Madakasira and hope that the institute will always strive to impart better knowledge and motivate the students for better future.

(Dr. VEERAVENKATA MAHENDRAIAH)
Mobile: +91-9502729427
Email Id: mahendra007.82@gmail.com, mahendra.nigandoju@tmu.ac.jp

## TESTIMONIAL

I am J. Vanisree, present working as Assistant Professor at agricultural college Palem, Prof. Jayashankar Telangana State Agricultural University, Hyderabad.

I am a alumnus of 2009 batch of College of Agricultural Engineering, Madakasira and got degree in 2013. I secured 1st rank in ICAR- JRF conducted by ICAR and joined M.Tech at Indian Agricultural Research Institute (IARI), New Delhi in soil and water conservation engineering specialization. I cleared IARI PhD entrance exam and secured 2nd rank for PhD admission along with ICAR- SRF exam. I also qualified Agricultural Biotech Scientist (ARS) exam and secured the seventy position. In 2017 I was selected for Assistant Professor and started working at Agricultural college Palem.

I humbly say that, my career started at College of Agricultural Engineering Madakasira and I assure that this college will produce bright students in all aspects not only in the education, research but also good human resources and leaders.

(J. VEERAVA)
Assistant Professor
Agricultural College, Palem
PJTSAU, Hyderabad
Ph. No. 9866911521

## TESTIMONIAL

I, S.Sai pravana presently working as Research Scholar(PhD) Zero year Agricultural and Food Engineering, Indian Institute of Technology, Kharagpur, West Bengal is an Alumni of College of Agricultural Engineering Madakasira passed out with B.Tech (Agricultural Engineering) degree in the year of 2017. I was a student of 2013 batch and associated with College of Agricultural Engineering Madakasira for 4 years from 2013 to 2017. In my association as a student with the college, I found the best teachers who had great command on their subject area and best laboratory facilities. The teachers always strived to impart the knowledge and always motivated towards the better future. I also proudly announce that, I secured an All India Rank 413 in GATE-2017 and got admitted in Indian Institute of Technology, Kharagpur for M.Tech Programme in Food Process Engineering because of the continuous monitoring and motivation of the teachers.

I humbly state that, the first step of my successful career is started from this prestigious institute College of Agricultural Engineering, Madakasira and hope that the institute will always strive to impart better knowledge and motivate the students for better future.

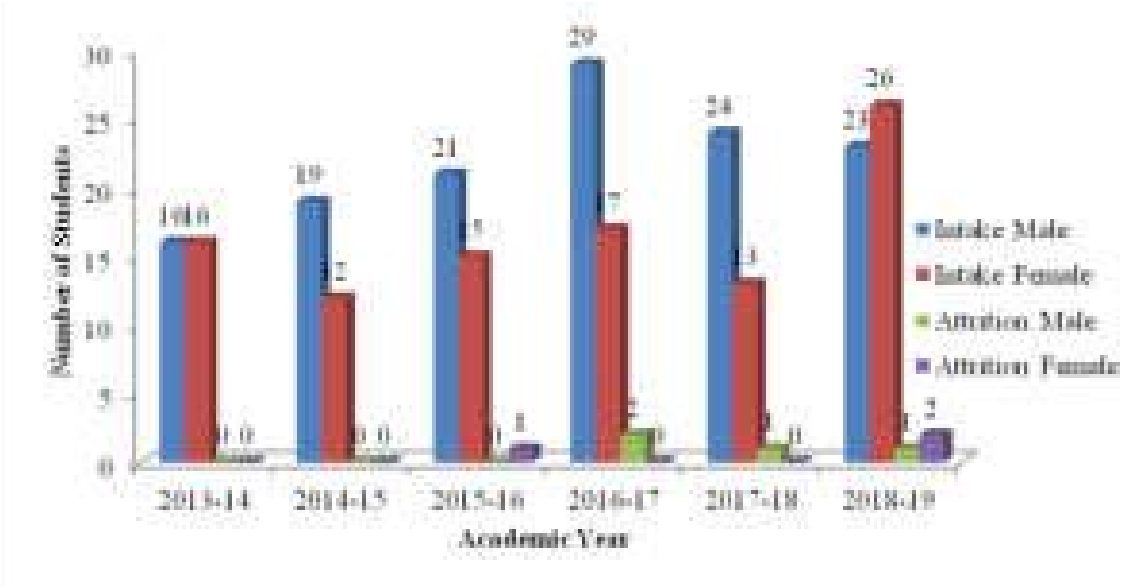
(S. SAI PRAVANA)
Ph. No. 8519828619
Email: spravana077@gmail.com

## 6.4.8. Student Intake and Attrition in the Programme for Last Five Years

The information about student intake and attrition for the college in respect of B.Tech (Ag. Engg.) programme is given in Table 5.

**Table 5: Student Intake and Attrition for the B.Tech (Ag. Engg.) Programme**

| Year | Intake | | | Attrition | | | Attrition (%) | | |
|---|---|---|---|---|---|---|---|---|---|
| | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **2013-14** | 16 | 16 | 32 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2014-15** | 19 | 12 | 31 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2015-16** | 21 | 15 | 36 | 0 | 1 | 1 | 0 | 6.7 | 2.8 |
| **2016-17** | 29 | 17 | 46 | 2 | 0 | 2 | 6.9 | 0 | 4.3 |
| **2017-18** | 24 | 13 | 37 | 1 | 0 | 1 | 4.2 | 0 | 2.7 |
| **2018-19** | 23 | 26 | 49 | 1 | 2 | 3 | 4.3 | 7.7 | 6.1 |




**Male and Female B.Tech (Ag. Engg.) Students Intake and Attrition**

## 6.4.9. ICT Application in Curricula Delivery

The college is using smart classrooms/interactive board etc. for teaching and conducting practical. There are two interactive board facilities and all the classrooms are equipped with multimedia projectors. The teachers are using these facilities regularly to deliver course lectures. There is provision of online attendance by using biometric machines (2 No.s), are connected to Vidyawaan portal monitored by the government for the release of scholarships. There is also facility for organization of "web seminar" for the benefit of staff and students.

Recently one such web seminar was conducted by Australian Water School on Building Farm Level Capacities in Irrigation Water Management by ICEWARM, Adelaide, Australia on **26.06.2019** from 9.30 to10.30 am. The webinar was delivered by **Dr. K. Yella Reddy**, Dean of Agricultural Engineering and Technology, ANGRAU, Lam, Guntur.




**Staff and students have participated in the webinar on "Building Farm Level Capacities in Irrigation Water Management" by ICEWARM, Adelaide, Australia**

## 6.4.12. Certificate

I, the Associate Dean, hereby certify that the information contained in the Section 6.4.1 to 6.4.9 is furnished as per the records available in the college, and degree awarding university.



Signature of Associate Dean of the College
with Date & Seal

# Self Study Report

**of the**
**Dr. NTR College of Food Science & Technology**
**Bapatla -522101, Guntur District**
**Andhra Pradesh**

**Submitted to**
**The INDIAN COUNCIL OF AGRICULTURAL RESEARCH, NEW DELHI**

For Accreditation of B.Tech. (Food Technology) Degree Programme

## Acharya N G Ranga Agricultural University
## Lam, Guntur – 522034, Andhra Pradesh

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## Self Study Report Committee

| | | | |
|---|---|---|---|
| **1** | **Dr. Ch.V.V. Satyanarayana** | **Professor &<br>Univ. Head of Food Process Engineering** | **Chairman** |
| **2** | **Dr. Mogal Sardar Baig** | **Associate Professor** | **Member** |
| **3** | **Dr. Ch. Someswara Rao** | **Assistant Professor** | **Member** |
| **4** | **Dr. Vimala Beera** | **Assistant Professor** | **Member** |
| **5** | **Sri T.V. Ramana Reddy** | **Administrative Officer** | **Member** |

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6.4.1. **Brief History of the Degree Programme**:

**History and Development of the College**

The College of Food Science and Technology was established during the year 2003 transforming the erstwhile College of Home Science, Bapatla. The College has been established as per the orders vide Proc. No. 838/Acad.I/A1/2003, dated 21.04.2003 (Enclosure – I, Page. No. 28-30). It is one of the constituent colleges of Acharya N.G. Ranga Agricultural University offering a four year B Tech. (Food Technology) degree and is the first college in Andhra Pradesh offering B. Tech. (Food Technology). The College was renamed as Dr. NTR College of Food Science & Technology, Bapatla in 2018 as its foundation stone was laid by former visionary Chief Minister of Andhra Pradesh, Late Dr. Nandamuri Taraka Rama Rao. The total area of the College is 12.4216 Acres (Enclosure – II, Page. No. 31-32).

**Objectives and Accomplishments**

- Started with a vision of developing technically equipped personnel to the food industry and allied disciplines.
- To inculcate the culture of entrepreneurship in the students so that they could turn into employment providers rather than seekers in the field of food processing by Experiential Learning Program (ELP).
- To develop new technologies for value addition of the agricultural produce.
- To adopt stringent international standards of food quality & food safety.
- To establish well equipped food quality control laboratories

**Location of the Institute**

Dr. NTR College of Food Science & Technology is located at Bapatla, Guntur District, Andhra Pradesh on the East Coast of India at an elevation of 5 m above the mean sea level and 7 km away from the Coast of the Bay of Bengal at the intersection of 15.54$^{o}$ N latitude and 80.30$^{o}$ E longitude. The College is about 3 kilometers away from Bapatla Railway Station on the Vijayawada - Chennai route and near to Bapatla New Bus Stand in Guntur road.

**Climate**

The region experiences tropical humid weather. The decennial average annual rainfall is about 1031.1 mm, of which 621.2 mm is received during the south – west monsoon, 319.5 mm in the north - east monsoon and 90.4 mm during the rest of the year. The maximum day temperature goes up to 45$^{o}$C during the month of May while the lowest night temperature drops down to 15$^{o}$C during winter.

**Need for an Organization of this Kind**

Food Processing adds value, enhances shelf life and encourages crop diversification. Above all, it is employment intensive, generating direct and indirect employment opportunities. Food Science & Technology is a core discipline, with basic and applied sciences, engineering aspects along with several interacting disciplines like biochemistry, microbiology, economics & management, marketing, legal and social aspects.

The changing food trends and working culture of the people increased demand for processed and packaged foods such as ready to eat, ready to cook and ready to serve beverages. India requires technical manpower for food industry to meet global challenges, to bring transformation by value addition in order to achieve better economic returns to farmers and to provide safe and contamination free food to the consumers. Keeping in view of the increasing demand for qualified personnel in the area of Food Science & Technology, Acharya N.G. Ranga Agricultural University started a four-year B. Tech. (Food Science) Programme at College of Food Science and Technology, Bapatla during the academic year 2003-2004 with 40 seat intake. Gradually the intake has been increased to 66 and also 15% supernumerary ICAR allotted seats.

**Present Status of the Institution**

Dr. NTR College of Food Science & Technology (CFST) has established itself well and is very much needful to the present generation following the revolutionary changes in food industry with a wide range of placement opportunities. It is also an added advantage that the banking sector is poised to support the food processing industries. The utilization of ICTs for enhancing teaching skills has been in use at this college for the last ten years and it is being updated from time to time. This College is successfully conducing online teaching classes using Zoom during COVID-19 lockdown. The students have performed well in several competitive examinations for higher studies. This is reflected in the achievement of ICAR ranks and also admission into various national Institutes such as CFTRI, Mysore; IIFPT, Tanjavur; NIFTEM, Kundli; ICT, Mumbai; IIP Hyderabad during the years 2014-15, 2015-16, 2016-17, 2017-18, 2018-19 and 2019-20. Students with fellowship took their admissions into M.S. programmes in USA, UK, Netherlands apart from the MBA admissions in MANAGE, IRMA and NAARM. The same spirit is being continued in making the college flag fly high by getting placements in multinational companies like Coca-Cola, Britannia, GlaxoSmithKline & Beecham, ITC, Pepsico etc. The students were also absorbed into nationalized banks.

6.4.2. **Faculty Strength**: The faculty strength of the Degree Programme need to be given cadre-wise, both sanctioned and in-place (under the table mentioned below). Clearly mention the number of permanent faculty appointed for the Degree Programme, part time faculty being deputed from the other departments (in such case mention the name of these departments). If the Degree Programme is also taking the help of research staff, extension staff, contractual faculty, guest faculty, adjunct faculty or any other arrangement being made to complete the curriculum, it should be clearly mentioned in the report.

## Teaching Faculty

| Sl. No. | Sanctioned Faculty | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | | 2019-20 | | Faculty Recommended by ICAR Committee |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SS | IP | SS | IP | SS | IP | SS | IP | SS | IP | |
| 1 | Professor | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 11 (Student Teacher ratio 20:1) |
| 2 | Associate Professor | 5 | 2 | 5 | 1 | 5 | - | 5 | 1 | 5 | 1 | |
| 3 | Assistant Professor | 9 | 7 + 2* | 9 | 4 + 4* | 9 | 8 + 2* | 9 | 6 + 2* | 9 | 7 + 2* | |
| | **Total** | **15** | **13** | **15** | **11** | **15** | **12** | **15** | **11** | **15** | **12** | |

SS – Sanctioned Strength
IP – In-Place
* Full-time Teaching Associates are engaged against sanctioned posts

| Sl. No. | Sanctioned Faculty | Department Name | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
|---|---|---|---|---|---|---|---|
| | | | No. | No. | No. | No. | No. |
| 1 | Teaching Associates | Food Processing Technology | 1 | 2 | 1 | 1 | 1 |
| | | Food Safety and Quality Assurance | 1 | 2 | 1 | 1 | 1 |
| 2 | Part-time Faculty | English | -- | -- | -- | 1 | -- |
| | | Physical Education | 1 | 1 | 1 | 1 | 1 |
| 3 | Faculty From Dr. NTR College of Agricultural Engineering, Bapatla | Basic Engineering | 1 | 1 | 1 | 1 | 1 |
| 4 | Faculty From Agricultural College, Bapatla | English | 1 | 1 | 1 | -- | 1 |
| | | Crop Production | | | | 1 | 1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | Extension | 1 | 1 | | 1 | 1 |
| | | Environmental Science | 1 | | | 1 | 1 |
| | | Business Management and International Trade | 1 | 1 | 1 | - | - |

* The Faculty assigned the responsibilities for the multiple programmes need to be clearly marked.

** Clearly mention the deviation in the Faculty position with respect to the recommendations of V Deans' Committee/VCI/BSMA/other regulatory bodies.

*** In case of Private Universities / affiliated colleges the list of faculty cadre wise with name, specialization, date of appointment in the college, period of contract, salary account summary for last three years with the reference to Form 16 (income tax) shall be provided.

6.4.3. **Technical and Supporting Staff**:

| Sl. No. | Designation | Sanctioned strength | Strength in position | Vacancy | Departments | Remarks |
|---|---|---|---|---|---|---|
| **1** | Administrative Officer | 1 | 1 | Nil | Administrative Office | -- |
| **2** | Superintendant | 1 | 1 | Nil | | |
| **3** | Senior Assistant | 2 | 1 | 1 | | |
| **4** | JACT | 1 | 1 | Nil | | |
| **5** | Office subordinates | 5 | 5 | Nil | | |
| **6** | Mechanic Grade – I | 1 | 1 | Nil | Food Process Engineering | Outsourcing Persons are engaged in the vacancies |
| **7** | Mechanic Grade – II | 1 | 1 | Nil | Food Processing Technology | |
| **8** | Driver | 1 | 1 | Nil | Transport | |
| **9** | Electrician | 1 | 1 | Nil | Hostel and College Maintenance | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **10** | Plumber | 1 | 1 | Nil | | |
| **11** | Cleaner | 1 | 1 | Nil | Food Chemistry and Microbiology | |
| **12** | Food Processing Equipment Operator | 2 | 2 | Nil | Food Process Engineering and Food Processing Technology | |
| | **Total** | **18** | **17** | **1** | | |

6.4.4. **Classrooms and Laboratories:** Mention the number of class rooms and functional laboratories available for the degree programme and justify if it is sufficient to meet the course curricula requirement. List major equipments, laboratories, farm facilities, workshops and other instructional units being utilized for the award of the Degree Programme may be given. Mention theory and practical batches for the Degree Programme.

## Details of Building Infrastructure

| | |
|---|---|
| Class Rooms | 4 |
| Auditorium | 1 |
| Seminar Hall | 1 |
| Examination Halls | 2 |
| Laboratories | 13 |
| ELP Building | 1 |
| Library | 1 |
| Milk & Milk Products Pilot Plant | 1 |
| Drinking Water RO Plant | 1 |

| Sl. No. | Name of the Department | Laboratories Available | Major Equipment |
|---|---|---|---|
| **Department of Food Processing Technology** | | | |
| 1 | Food Processing Lab – I | 1 | 1. Heavy Duty Mixers<br>2. Microwave Ovens<br>3. Solar Dryer (8 Kg)<br>4. Food Dehydrator<br>5. Snack Maker<br>6. Deep Freezer<br>7. Refrigerator<br>8. Cream Separator<br>9. Oil Expeller<br>10. Electronic Milkotester<br>11. Chilli Blower M/C<br>12. Paddy Sheller<br>13. Rice Polisher<br>14. Grain Crusher<br>15. Grain Moisture Tester<br>16. Electronic Balance<br>17. Gas Stoves<br>18. Egg Beaters<br>19. Hand Salinity meter<br>20. Pasta Maker |
| 2 | Food Processing Lab –II<br>(Fruits and Vegetables) | 1 | 1. Candy Making Machine<br>2. Juice Extractor<br>3. Deep Fryer<br>4. Oxy Fryer<br>5. Solar Dryer (50 Kg)<br>6. Hydraulic Juice Press<br>7. Vertical Retort<br>8. Crown corking machine |

| | | | |
|---|---|---|---|
| | | | 9. Jumbo Refrigerator<br>10. Mini Oil Expeller<br>11. Gas Stoves<br>12. Electronic Balance<br>13. Pulper Machine<br>14. Sugarcane Juice Crusher<br>15. Vegetable Cutting M/c & Cutter set<br>16. Centrifugal Juicer<br>17. Hand Refractometer<br>18. Digital Refractometer<br>19. Infrared Thermometers<br>20. pH Non-Glass SS meter |
| 3 | Cereals and Millets Processing Lab (RKVY) | 1 | 1. Millet roaster<br>2. Flaking Machine<br>3. Hammer Mills<br>4. Destoner<br>5. Sifter<br>6. Electronic Balance<br>7. Ravva Making Machine<br>8. Pulverizer<br>9. Noodles Machine<br>10. Rice Flaking M/C<br>11. Popcorn Making Machine<br>12. Foot operated sealing machine |
| 4 | Pulse Processing Unit | 1 | 1. Dhal Mill<br>2. Digital Moisture Meter<br>3. Dhal Grader |
| 5 | Sensory Evaluation Lab | 1 | Cabins with accessories |

| **Department of Food Process Engineering** | | | |
|---|---|---|---|
| 1 | Food Engineering Lab | 1 | 1. Skid Mounted Process Module<br>2. Form Fill Seal Unit<br>3. Hot and Cold water facility<br>4. Spray Dryer<br>5. Cross flow Membrane Plant<br>6. Soy Processing Unit<br>7. Fluidized bed dryer<br>8. Electronic Balance |

| | | | |
|---|---|---|---|
| | | | 9. Lassi machine<br>10. Seed/Grain Analyzer<br>11. Coconut Dewatering Machine |
| 2 | Canning Laboratory | 1 | 1. Canning Line<br>2. Steam Boiler<br>3. Environmental Chamber<br>4. Double seaming m/c<br>5. Can Reformer<br>6. Hand Flanger<br>7. Exhaust Box<br>8. Lid Embossing m/c<br>9. Steam Jacketted Kettle<br>10. Hot Air Dryer |
| 3 | Food Packaging and Instrumentation Lab | 1 | 1. Packaging Strength Tester<br>2. Vacuum Packaging Machine<br>3. COB tester<br>4. Bursting Strength Tester<br>5. Seal Strength Tester<br>6. Precision Balance<br>7. Hygrometer<br>8. Thickness gauge<br>9. Psling Psychrometer<br>10. RH and Temperature Data Logger. |
| 4 | ICT Lab | 1 | 1. MATLAB<br>2. ANSYS Fluent<br>3. LABVIEW |

| Department of Food Safety and Quality Assurance | | | |
|---|---|---|---|
| 1 | Food Microbiology Lab | 1 | 1. Laminar Flow Chamber<br>2. Automatic Microprocessor based distillation system<br>3. Thin layer chromatography kit & accessories<br>4. Water analyzer<br>5. Electrophoresis unit<br>6. Fermenter<br>7. Microscopes<br>8. Autoclave<br>9. Electronic Balance<br>10. Digital Refractometer |
| 2 | Food Chemistry Lab | 1 | 1. Kjeldahl Equipment<br>2. Digital Spectrophotometer<br>3. Digital photoelectric colorimeter<br>4. Digital pH meter<br>5. Soxhlet apparatus<br>6. Digital photoelectric colorimeter<br>7. Revolutionary table top high speed cooling centrifuge<br>8. Screw gauge - Digital<br>9. Vernier caliper (Digital)<br>10. Salinity meter<br>11. Rotary vacuum flash evaporator<br>12. Rotary vacuum pump<br>13. Water bath<br>14. Electronic weighing scales<br>15. UV Visible spectrophotometer<br>16. Digital Refractometer<br>17. Muffle furnace<br>18. Vortex mixer<br>19. Microprocessor based pH system<br>20. Magnetic Stirrer |

| | | | |
|---|---|---|---|
| | | | 21. Bomb Calorimeter<br>22. Distillation Unit |
| **Department of Basic Engineering** | | | |
| 1 | Engineering Drawing Hall | 1 | 1. Drawing Tables and Stools<br>2. LCD Projector |
| 2 | Workshop | 1<br>(Dr. NTR CAE, Bapatla) | 1. Lathe machine<br>2. Drilling machine<br>3. Welding machine<br>4. Shaping machine |
| 3 | Fluid Mechanics Lab | 1<br>(Dr. NTR CAE, Bapatla) | 1. Weirs<br>2. Notches<br>3. Orifices<br>4. Flumes<br>5. U tube manometers |
| 4 | Electrical and Electronics Engineering Lab | 1<br>(Dr. NTR CAE, Bapatla) | 1. Analog Circuits Kit<br>2. Digital Circuits Kit<br>3. Motors an Circuits Test Rig |
| **Department of Food Plant Operations** | | | |
| **ELP Units** | | | |
| 1 | ELP on Milk and Milk Products Processing | 1 | 1. Khoa Making Machine<br>2. Milk Pasteurizer<br>3. Homogenizer<br>4. Hardening Unit<br>5. Convective Microwave Dryer<br>6. Deep Freezers<br>7. Ice-Cream Plant |
| 2 | ELP on Cereals and Pulses Products Processing | 1 | 1. Destoner<br>2. Hammer Mills<br>3. Sifters<br>4. Ovens<br>5. Flaking Machine<br>6. Roasters<br>7. Sealing Machine |
| 3 | ELP on Millets Processing | 1 | |
| 4 | ELP on Spices Processing | 1 | 1. Heavy Duty Grinders<br>2. Hammer Mills<br>3. Chilli Blower Machine |
| 5 | ELP on Meat and Poultry Products Processing | 1 | 1. Meat Mincer<br>2. Defeathering Unit |

| | | | |
|---|---|---|---|
| | | | 3. Fryers<br>4. Ovens |

**Laboratory Development**

**Equipment Purchased (costing more than Rs. 25,000/- per unit)**

**2015-16**

| Sl. No. | Name of the Equipment | Number | Amount (Rs.) |
|---|---|---|---|
| 1. | Water bath shaker | 1No | 49,875.00 |
| 2 | Solar water heater | 2 panels | 1,28,127.00 |
| 3 | Environmental Chamber | 1 No | 1,99,975.00 |
| 4 | Food dehydrator | 1 No | 64,693.00 |
| 5 | Snack Maker | 1 No | 59,540.00 |

**2016-17**

| S. No. | Equipment Purchased | Value (Rs.) |
|---|---|---|
| 1 | Dell laptop- 4No. | 1,22,400/- |
| 2 | HP Desktops - 4 No. | 1,29,800/- |
| 3 | Samsung Double door refrigerator | 30,200/- |
| 4 | Convective MW Assisted Hot Air Dryer | 11,73,625/- |

**2017-18**

| S. No. | Equipment Purchased | Value (Rs.) |
|---|---|---|
| 1 | Acer Desktops - 10 No. | 4,65,000/- |
| 2 | Konica Minolta Xerox m/c | 86,769/- |
| 3 | Storage Water Coolers (2) | 93,380/- |
| 4 | Wet grinder (2kgs) | 30,000/- |
| 5 | MATLAB and ANSYS Fluent Software | 15,45,840.00/- |

**2018-19**

| S. No. | Equipment Purchased | Value (Rs.) |
|---|---|---|
| 1 | RO Water Plant | 2,30,000/- |
| 2 | UF/MF Membrane Plant | 2,00,000/- |

| | | |
|---|---|---|
| 3 | CC TV cameras, Cables & Fixtures | 3,91,265/- |
| 4 | Interactive Smart board | 1.60,000/- |

**Details of ELP Units**

**2015-16**

| S. No. | Name of the Unit | Number of students | Faculty in-charge | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| 1 | Spices Module | 16 | Er. K. Rajesh, Asst. Professor<br>V. Anil Kumar,<br>Teaching Associate | 30-6-15 | 27-10-15 |
| 2 | Fruits & Vegetables | 17 | Dr. B.V.S. Prasad,<br>Associate Dean<br>R. Preethi Sagar,<br>Teaching Associate | 30-6-15 | 27-10-15 |
| 3 | Milk and Milk Products | 17 | Dr. Ch.V.V. Satyanarayana,<br>Professor<br>Dr. D.D. Smith, Assoc. Professor | 30-6-15 | 27-10-15 |
| 4 | Cereals Processing | 17 | Er. M. Sardar Baig,<br>Assistant Prof.<br>B. Sunitha V.S.,<br>Teaching Associate | 30-6-15 | 27-10-15 |

**2016-17**

| S. No. | Name of the Unit | No. of Students | Faculty In-Charge | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| 1 | Cereal Processing | 11 | Mrs. M. Kirthy Reddy,<br>Asst. Professor<br>Er. M. Sardar Baig,<br>Asst. Professor | 18.6.2016 | 31.10.2016 |
| 2 | Spice Processing | 10 | Er. K. Rajesh, Asst. Professor<br>Mr. V. Anil Kumar, TA<br>Ms. B. Sunitha V.S., TA | 18.6.2016 | 31.10.2016 |
| 3 | Milk & Milk Products Processing | 11 | Dr. Ch.V.V.Satyanarayana,<br>Professor<br>Dr. D.D. Smith,<br>Assoc. Professor | 18.6.2016 | 31.10.2016 |
| 4 | Fruit and Vegetable Processing | 10 | Dr. Vimala Beera,<br>Asst. Professor<br>Mrs. R. Preethi Sagar, TA | 18.6.2016 | 31.10.2016 |

**2017-18**

| S. No. | Name of the Unit | Number of students | Faculty in-charge | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| 1 | Cereal Processing | 14 | Mrs. Kirthy Reddy, Asst. Prof.<br>Er. M. Sardar Baig, Asst. Prof.<br>Mrs. R. Preethi Sagar,TA | 17.6.2017 | 15.11.2017 |
| 2 | Spice Processing | 15 | Dr. Ch.V.V. Satyanarayana, Professor<br>Er. K. Rajesh, Asst. Professor<br>Mr. V. Anil Kumar, TA | 17.6.2017 | 15.11.2017 |
| 3 | Milk & Milk Products | 15 | Dr.Vimala B, Asst. Prof.<br>Ms. Blessy Sagar, Asst. Prof.<br>Mrs. B.Jayanthi, TA | 17.6.2017 | 15.11.2017 |

**2018-19**

| S. No. | Name of the Unit | Number of students | Faculty in-charge | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| 1 | Cereal Processing | 11 | Dr. Ch. Someswara Rao, Asst. Professor<br>Mrs. M. Kirthy Reddy, Asst. Prof.<br>Mrs. R. Preethi Sagar, TA | 23-7-2018 | 22-12-2018 |
| 2 | Spice Processing | 11 | Er. K. Rajesh, Asst. Prof.<br>Dr. B. Sunitha, V.S. TA | 23-7-2018 | 22-12-2018 |
| 3 | Milk & Milk Products Processing | 11 | Dr. Ch.V.V. Satyanarayana, Professor<br>Dr. Vimala B, Asst. Professor | 23-7-2018 | 22-12-2018 |
| 4 | Fruits and vegetables processing | 11 | Mrs. K. Sowjanya, Asst. Prof.Er. E. Gowthami, Asst. Prof. | 23-7-2018 | 22-12-2018 |
| 5 | Millets Processing | 10 | Mrs. M. Kirthy Reddy, Asst. Prof.<br>Dr. Blessy Sagar S, Asst. Prof. | 23-7-2018 | 22-12-2018 |

**2019-20**

| S. No. | Name of the Unit | Number of students | Faculty in-charge | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| 1 | Cereal Processing | 13 | Dr. Ch. Someswara Rao, Asst. Professor.<br>Mrs. R.Preethi Sagar, TA | 09-08-2019 | 06-01-2020 |
| 2 | Spice and Spice Products | 8 | Dr. Ch. Someswara Rao, Asst. Professor<br>Er. E. Gowthami, Assit. Prof.<br>Dr. B. Sunitha, V.S. TA | 09-08-2019 | 06-01-2020 |
| 3 | Milk & Milk Products Processing | 12 | Dr. Ch.V.V. Satyanarayana, Professor<br>Dr.Vimala B, Asst. Prof. | 09-08-2019 | 06-01-2020 |
| 4 | Egg, Meat and Poultry Products | 12 | Dr. Ch. V. V. Satyanarayana Professor<br>Dr. Vimala Beera, Asst. Prof.<br>Dr. S. Blessy Sagar, Asst. Professor | 09-08-2019 | 06-01-2020 |
| 5 | Millets Processing | 13 | Er. E. Gowthami. Asst. Prof.<br>Mrs. K. Sowjanya, Asst. Prof. | 09-08-2019 | 06-01-2020 |

Reverse Osmosis based water purification plant of 1000 liters per hour capacity was installed in the campus during 2018-19 to supply drinking water to the college and hostels in the campus and also for vending packaged water

**Class Rooms and Laboratories**

| Year | Classrooms | Laboratories |
|---|---|---|
| 2015-16 | 4 | 11 |
| 2016-17 | 4 | 11 |
| 2017-18 | 4 | 11 |
| 2018-19 | 4 | 13 |
| 2019-20 | 4 | 13 |

Workshop facilities from Dr. NTR College of Agricultural Engineering, Bapatla are utilized for basic engineering courses.

6.4.5. **Conduct of Practical and Hands-on-Training:**

Practical classes are conducted as per the time table by dividing students into two batches by each about 30 students. The students are allowed to operate certain equipment as per the operational guidelines available in lab manuals. For example, students are allowed to operate cross-flow membrane filtration plant for clarification of fruit juices, operation of microwave assisted convective dryer for drying different primary foods. The students are given sometimes home work and assignments to complete additional calculations and procedures as a follow up for the lab experience gained in practicals.

6.4.6. **Supervision of Students in PG/PhD Programmes:**

This college does not have a PG program. Some of the faculty are supervising students' thesis research projects of M. Tech and Ph.D. Programmes related to Processing and Food Engineering offered at the sister college of Dr. NTR College of Agricultural Engineering in Bapatla.

6.4.7. **Feedback of Stakeholders (Students, parents, industries, employers, farmers etc.):**

Advice is rendered to prospective entrepreneurs interested in food processing whenever they visit the college, wherein they expressed satisfaction with the input given by the faculty. The feedback has also been received from all the visitors of the college as available in the visitor register (Enclosure IV, Page No. 34-37). The feedback was collected from the alumni of the college (Enclosure V Page. No. 38-48). Also one-day training programs on food safety to street vendors, implementation of FSSAI regulations, food adulteration testing at home to consumers and housewives have been conducted. Training programs on value addition, preservation and storage have been conducted to a group of farmers and entrepreneurs with the funds of the University from time to time. Response from the trainees has been excellent. The feedback from these trainees and entrepreneurs is taken to further improve the program over years. Similarly, continuous feedback by oral communication and interaction has been obtained from alumni association of the college on refining the courses particularly practicals and ELP to closely match to the requirements of the food processing industry. Feedback is also obtained from parents during orientation and advisory meetings of their wards so that the amenities including hostels, mess etc. are continuously monitored and improved. Alumni linkages from this college is also supporting the students in placement and in-plant training. Every year industries offering in-plant training (ITC, Galla Foods etc.) are absorbing the students. The College is closely associated with Andhra Pradesh Food Processing Society, an apex body of AP Government promoting the development of Food Processing Industry in the state. The college is the only institution identified as State Nodal Agency for implementation of different Food Processing Industry related schemes and also to render advisory (Enclosure – III, Page No. 33).

**Training Programmes Conducted**

| Year | Titles of Training Programs Conducted | Date |
|---|---|---|
| **2017-18** | 1. Organized 'Food Adulteration Detection Stall' at Dr. NTR College of Agricultural Engineering, Bapatla during February, 2018. | 25th -28th February, 2018 |
| | 2. Conducted training programme on Detection of Adulteration in Foods at Dr. NTR College of Food Science & Technology, Bapatla | 28.02.2018 |
| | 3. Conducted awareness and training programme on Safety on Street Vended Foods at Dr. NTR College of Food Science & Technology, Bapatla | 21.03.2018 |
| **2018-19** | 1. "World Food Day 16th October, 2018. Food outlet. Food adulteration detection Exhibition" | 16.10.2018 |

| | | |
|---|---|---|
| | 2. Conducted awareness & training Programme on community sanitation /personal hygiene at Gavinivaripalem village in Prakasam district on 23-02-2019. | 23.02.2019 |
| | 3. Conducted one day training programme on "Women Empowerment through value addition of Fruit and Vegetable products - Jams, Sqaushes and Fruit Bars"at Adhrakesari Nagar, Chirala Mandal, Prakasam District. | 25.02.2019 |
| | 4. Conducted one day training programme on "Demonstration of millets processing and value addition"at Andhrakesari Nagar, Chirala Mandal, Prakasam District | 27.02.2019 |
| **2019-20** | 1. One day training programme was conducted on 'Demonstration of on farm low cost storage structures' on 29-02-2020 at Gavudapalem, Karlapalem Mandal, Guntur District by Dr. Vimala Beera, Assistant Professor, Dr. M. Sardar Baig, Associate Professor, Dr. NTR College of Food Science and Technology, Bapatla. | 29.02.2020 |
| | 2. One day training program on "Women empowerment through instant cereal and pulses flour mixes " on 02-03-2020 at Perali Village, Karlapalem Mandal, Guntur District by Dr. Ch. Someswara Rao, Assistant Professor and Mrs. K. Sowjanya, Assistant Professor of Dr. NTR College of Food Science and Technology, Bapatla. | 02.03.2020 |

6.4.8. **Student Intake and Attrition in the Programme for Last Five Years**:

| **Name of the Degree Programme** | **Actual students admitted in last five years (Sanctioned Strength: 60)** | | | | | **Attrition (%)** | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| B.Tech (Food Technology) | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| | 56 | 51 | 48 | 56 | 65 (60+5 EWS) | 1.8 | 2.2 | 1.1 | 2.2 | 0.0 |

6.4.9. **ICT Application in Curricula Delivery:**

A course on applications of ICT in food processing industries is being offered to the III year students in which the students are exposed to excel, MATLAB, GAMBIT, ANSYS Fluent, Lab VIEW software. The details of software available in the computer lab of the college are given below;

**Purchase of Equipment and Software**

| **Sl.No.** | **Equipment/Software** | **No. of Items** | **Value (Rs.)** |
|---|---|---|---|
| 1 | M2 MATLAB 9.2 Version | 10 | 2,19,960.00 |

| | | | |
|---|---|---|---|
| 2 | ST Statistics & Machine Learning Tool Box 11.1 | 10 | 87,960.00 |
| 3 | CF Curve Filling Tool Box 3.5-5 | 10 | 87,990.00 |
| 4 | NN Neural Network Tool Box 10.0 | 10 | 87,990.00 |
| 5 | FL Fuzzy Logic Tool Box 2-2-25 | 10 | 87,990.00 |
| 6 | IP Image Processing Tool Box 10.0 | 10 | 87,990.00 |
| 7 | ANSYS Academic CFD 10 Tasks Version 18.0 | 10 | 3,97,863.00 |
| 8 | Computers with Accessories | 10 | 4,88,097.00 |
| | | Total: | 15,45,840.00 |

Recently, a modern seminar hall has been established in the new building of experiential learning program. An interactive board with multimedia features is installed and is being used by faculty and also for student seminars.

6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and PhD Degree Programmes, separately, and to be presented College-wise.

6.4.11. Since the accreditation of Programmes is related to the All India Admission from ICAR and also having weightage for College accreditation, therefore the data presented in the section 6.4 is liable to the verification at any stage.

Certificate (Applicable when SSR is submitted for Programme) I, the Associate Dean, Dr. NTR College of Food Science & Technology, Bapatla hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding university.



Signature of the Associate Dean of the College with Date & Seal

**Enclosure - I**

ACHARYA N.G.RANGA AGRICULTURAL UNIVERSITY
ADMN. OFFICE : RAJENDRANAGAR : HYDERABAD - 30

Proc.No.RM.Acad.I.A1/2003 Dt:11-4-2003

Sub: - ANGRAU - Starting of B.Tech. (Food Science) Degree Programme in the University - Re-deployment of staff & budget - Orders - Issued

Ref: - 1) Proc.No.3289/Acad(SA)/2002, Dt.15-7-2002
2) Resolution No.2101 of Academic Council meeting held on 8-3-2003
3) Board Resol.No.5682 meeting held on 28/29-3-2003

In the proceeding of reference (1) cited above, orders were issued to introduce a degree programme viz., B.Tech (Food Science) in the University from the Academic year 2002-2003 with the intake of 40 students. Dr.C.R.Sikamaram, Associate Dean, College of Agricultural Engineering, Bapatla was nominated as Coordinator in addition to re-deployment of staff & Budget requirements for the new degree programme. He has submitted proposals for location of the course, requirement of staff, intake of students, the fee structure, budget requirements etc. The proposals furnished in the report were approved by the Finance committee of its meeting held on 17-3-2003 and also approved by the Board of Management at its meeting held on 28/29-3-2003, vide Item I.

Accordingly orders are hereby issued for implementation of the following:

1. **Location** The new B.Tech (Food Science) Programme will be located at the College of Home Science, Bapatla. The existing infrastructure including buildings, physical facilities, Laboratory equipments available at the College of Home Science, Bapatla and required for starting the B.Tech (Food Science) programme will be taken over by the Coordinator appointed for starting the programme from the Associate Dean, College of Home Science, Bapatla and utilized for the new B.Tech (Food Science) Programme.

2. **Staffing of the New Programme:** The staff requirements of the new B.Tech. (Food Science) Programme will be met in full through redeployment of the existing Teaching and Non-Teaching posts available at the College of Home Science, Bapatla. The teaching posts available at the College of Home Science, Bapatla are Professor - One, Associate Professors - Three and Assistant Professor - Seven. These posts which will fall vacant consequent upon the redeployment of these posts from the College of Home Science, Bapatla will be filled up by promotion/transferring appropriately qualified persons required for the new B.Tech (Food

Science) course as detailed in Annexure-I. The existing teaching staff of the College of Home Science, Rajendranagar will be granted lien/ transfer, in the existing vacancies in the University. A suitably qualified person will be appointed against the vacancy of Professor existing in the College of Home Science, Rajendranagar as Coordinator/Associate Dean for proper implementation and monitoring of the new B.Tech (Food Science) Programme.

The sanctioned non-teaching posts existing in the College of Home Science are Administrative Officer-1, Superintendent-1, Senior Assistants-3, JACT-1, Driver-1, Cleaner-1, Record Assistants-4, Attenders-5, L.D.Steno-1 and Casual labourers-8. Out of these, the Administrative Officer post which is currently vacant will be kept in abeyance. The other posts are re-deployed for implementing the new B.Tech (Food Science) degree programme except that out of the 3 Senior Assistants posts, two posts are transferred to the new degree programme, one post of Senior Assistant which was shifted to PGRC, College of Home Science, Warangal is hereby re-shifted to the College of Home Science, Rajendranagar and the same shall be used for running the new B.Tech. (Food Science) programme. One post of Senior Assistant is hereby converted to Mechanic Grade-I in the scale of Rs.4190 – 8790, the post of L.D.Steno is hereby converted to Mechanic Grade-II in the Scale of Rs.3150 – 7150 and the four posts of Record Assistants are hereby converted to non-teaching posts as detailed below:

| Sl.No | Post | No. of Posts | Pay Scale |
|---|---|---|---|
| 1. | Operator with ITI | 2 | Rs. 2870 – 5470 |
| 2. | Electrician with ITI | 1 | Rs. 2870 – 5470 |
| 3. | Plumber with ITI | 1 | Rs. 2870 – 5470 |

2. Status quo will be maintained in respect of the 8 outside members presently working in the College of Home Science, Rajendranagar.

3. The Associate Dean, Agricultural College, Rajendranagar is requested to transfer the present incumbents holding the posts of Record Assistants at Home Science College, Rajendranagar in any of the existing vacancies available under his control.

4. In view of the above one post of Senior Assistant at College of Home Science, Hyderabad is also hereby re-deployed to the PGRC, Warangal functioning under the faculty of Home Science.

3. **Intake:** 40 seats from both the B.E/B.C and MLP.C [illegible] the ratio of 1:1

4. **Tuition Fee etc.:** Rs.10,000/- per Semester with 50% concession for SC/ST students. All other fees shall be as applicable to other U.G courses. There shall be 10% increase in the fees structure every year. Reservation and fee concessions will be applicable as per existing Government rules.

The nomenclature of Under Graduate degree programme in Food Science & Technology shall be B.Tech (Food Science).

5. **Budget:** An amount of Rs.68.23 lakhs is hereby allotted to this programme for the year 2003-2004 as detailed in the Annexure-II, which will be operated by the Coordinator/Associate Dean of the College of Home Science, Bapatla, B.Tech (Food Science) programme, which will function under the Technical and Administrative control of the Dean, Faculty of Agriculture, ANGR Agriculture University.

S.RAGHU VARDHAN REDDY
REGISTRAR

To

The Associate Dean,
College of Home Science,
Bapatla

The Associate Dean,
Agricultural College, Bapatla

CC to All the University Officers in the Administrative Office
CC to All the Associate Deans of the Colleges
CC to All the Associate Directors of Research under the University
CC to Controller of Examinations for necessary action
CC to Dr.U.R.Sakhamuru, Coordinator & Associate Dean, CAE, Bapatla
~~CC to Associate Dean, College of Agricultural Engineering, Bapatla~~
CC to PS to Vice-Chancellor
CC to Assistant Comptroller, Regl. Accounts Office, Bapatla/Lam, Guntur Dist
CC to Dy. Reg. (TE)/ (NTE) /Asst Reg. (TE)/ (NTE) for necessary action
CC to Secretary-II/III/V/O.P. Sec/Home Science Sec/
Spl. Cell /Exam.I/II Sections for necessary action
CC to office.

// F.B.O //

SUPERINTENDENT

**Enclosure - II**

ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
Dr. NTR COLLEGE OF FOOD SCIENCE &TECHNOLOGY
BAPATLA - 522 101 (A.P.)

Dr.Ch. V.V. Satyanarayana
Associate Dean (FAC)

To
The Estate Officer
ANGR Agricultural University
Administrative Office
Lam, Guntur-522034

Lr.No.JNKAJCST/DOH1/ Information /2020, dt. 07.03.2020.

Sub : Dr. NTR College of Food Science and Technology, Bapatla – Information about the extent of campus area sought under RTI act, 2005 - Submitted - Regarding.

Ref : Memo No.1719/Engg/2019-20 Dated: 09.01.2020 of the Estate Officer, Administrative Office Lam, ANGRAU, Guntur

***

As per the reference cited above, I submit to enclose herewith the information of available extent of campus areas pertaining to the Dr. NTR College of Food Science & Technology, Bapatla in the prescribed format.

This is for favour of information.

Encl: As above

Yours faithfully

Associate Dean

## INVENTORY OF ASSETS AND LIABILITIES OF SCHEDULE -X INSTITUTIONAL AS ON 01/06/2014

Name of the Secretariat Department : **Agriculture & Cooperation**
Name of the Institution: **Acharya N.G. Ranga Agricultural University**

**Address : Dr. NTR College of Food Science & Technology, Bapatla**

a) Status of Lands (as on 01/06/2014)

| Sl. No. | Location | | | | No. No. | Lay Acres (Extent/ acres or Guntas (Specify | Area | Total Govt. Value of the Land / Property (Rupees in lakhs) | Total Market value of the Land / Property ( Rupees in lakhs | Usage of the asset | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Village | Mandal | District | State | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | Bapatla | Bapatla | Guntur | Andhra Pradesh | 454 | 12.42[0] acres | 12.42 [0] acres | as per govt. rates | – | Main College, Girls & Boys Hostels, | Additional land required for boys Hostel |

b) Details of Land with Buildings ( as on 01/06/2014)

| Sl. No. | Location/ Address | Title to Area Acres (extent/ acres or Guntas (Specify | Built up area (Plinth in Sq.ft) | Year of Construction | Govt. Value of the Land / Property (Rupees in lakhs) | Market value ( Rupees in lakhs | Total Market value of Building (Rupees in lakhs) | Total Value (Rupees in lakhs) | Usage of the asset office / residence /construction | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 (Col. 7+ Col. 8) | 10 | 11 |
| 1 | OHC Road, Near Sparrow, Bapatla | 19.00 acres | 45378 Sq.ft | 1986-2012 | as per Govt. rates | - | - | - | Main College, Girls Hostel | |
| 2 | -do- | 2.42[0] acres | 1819 Sq.ft | 2004-2012 | as per Govt. rates | - | - | - | Boys Hostel | |

ASSOCIATE DEAN
Dr. N.T.R. College of Food Science & Technology
Bapatla

**Enclosure - III**

Gmail

Dr NTR College of Food Science and Technology <foodsciencecollegeeluru@gmail.com>

**Re: Reminder mail - PM FME - Request to submit your willingness to function as State Level Technical Institution (SLTI) for implementation of PM Formalization of Micro Food Processing Enterprises Scheme (PM FME Scheme) in the State of Andhra Pradesh**

1 message

VICE-CHANCELLOR ANGRAU <vicechancellorangrau@gmail.com> Tue, Aug 4, 2020 at 5:12 PM
To: Andhra Pradesh Food Processing Society <apfpsfs@yahoo.com>
Cc: Dean of Agriculture <deanagriangrau@gmail.com>, foodsciencecollegeeluru@gmail.com

To,
L. Sridhar Reddy, CEO
Andhra Pradesh Food Processing Society (APFPS).

I'm very much delighted to know that Andhra pradesh Food Processing Society (APFPS) for having been selected as State Nodal Agency (SNA) for implementation of "Scheme for Formalization of Micro Food Processing Enterprises (FME) at this out set, I extend our willingness that our institute i.e, NTR College of Food Science & Technology to function as State Level Technical Institute and support in implementation of PM FME scheme in Andhra pradesh.

In this connection, I am to inform that Dr. C.H.V.V. Satyanarayana, Professor, Dr. NTR College of Food Sciences and Technology, Bapatla (Ph: 9949976727), is here by nominated as nodal officer to coordinate with AP Food Processing Society on all matters of training.

On Tue, Aug 4, 2020 at 5:56 PM Andhra Pradesh Food Processing Society <sector@yahoo.com> wrote:
Dear Sir,

Kindly refer to the having mail regarding request to submit your willingness to function as State Level Technical Institution (SLTI) for implementation of PM Formalization of Micro Food Processing Enterprises Scheme (PM FME Scheme) in the State of Andhra Pradesh. An early action in this regard is highly advised.

Regards,

Chief Executive Officer

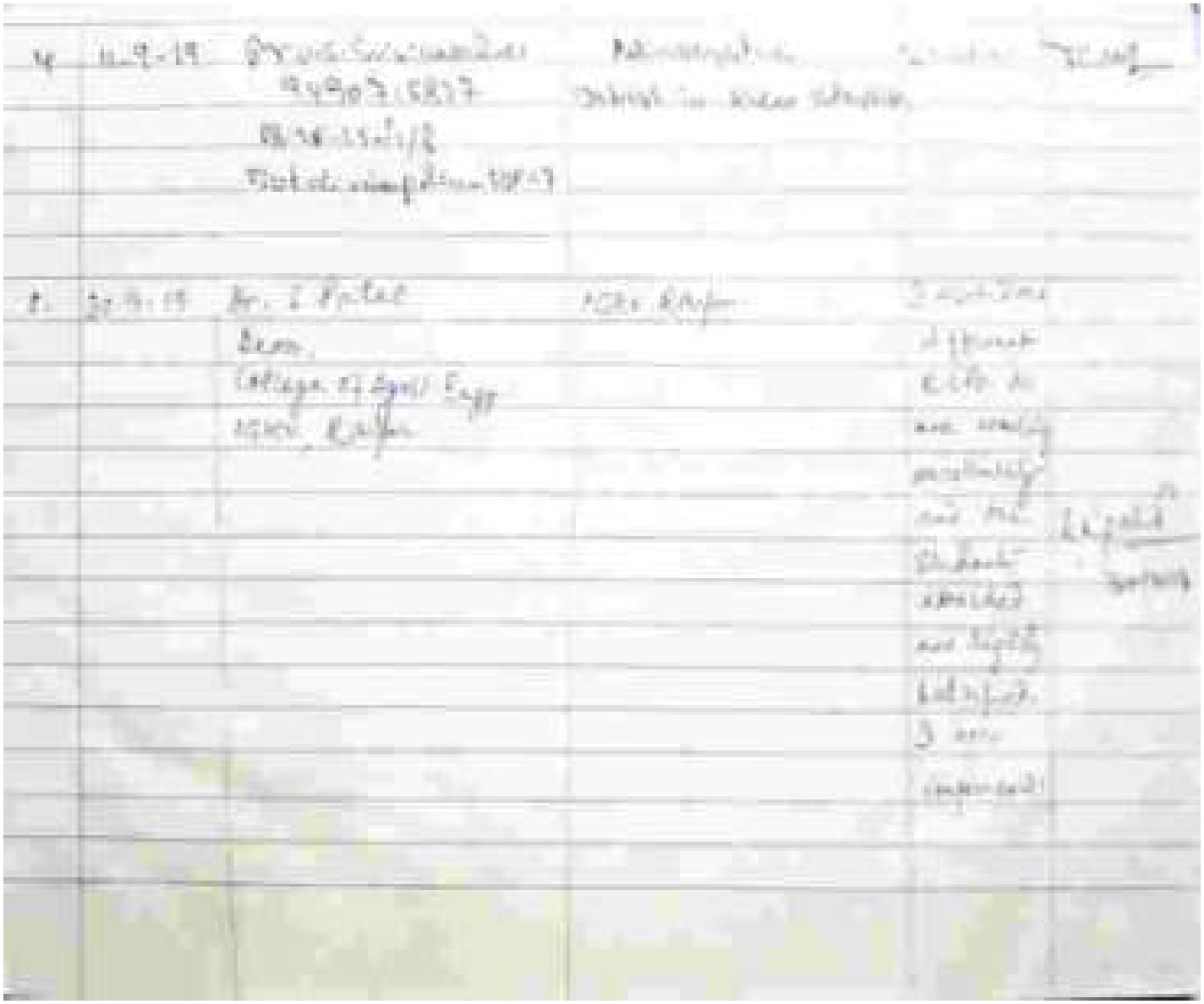
**Andhra Pradesh Food Processing Society**
Vijayawada Office Address:
D. No. 48 - 11/1-5/8
Gaddi Sambasiva Rao Street
Sri Rama Chandra Nagar
Vijayawada - 520008
Phone No.: 0866-2572223

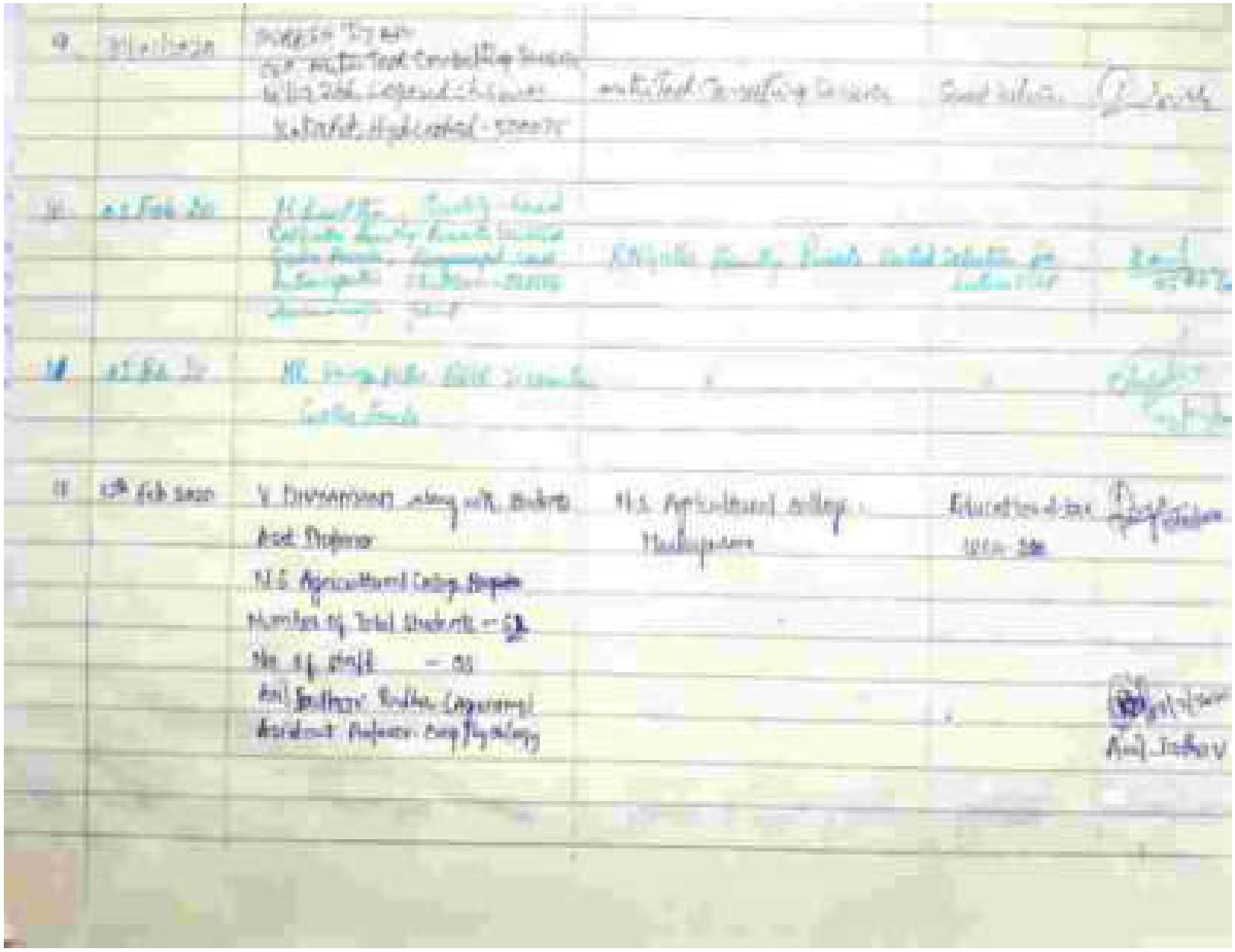
On Tuesday, 21 July, 2020, 06:11:59 pm IST, Andhra Pradesh Food Processing Society <apfpsfs@yahoo.com> wrote:

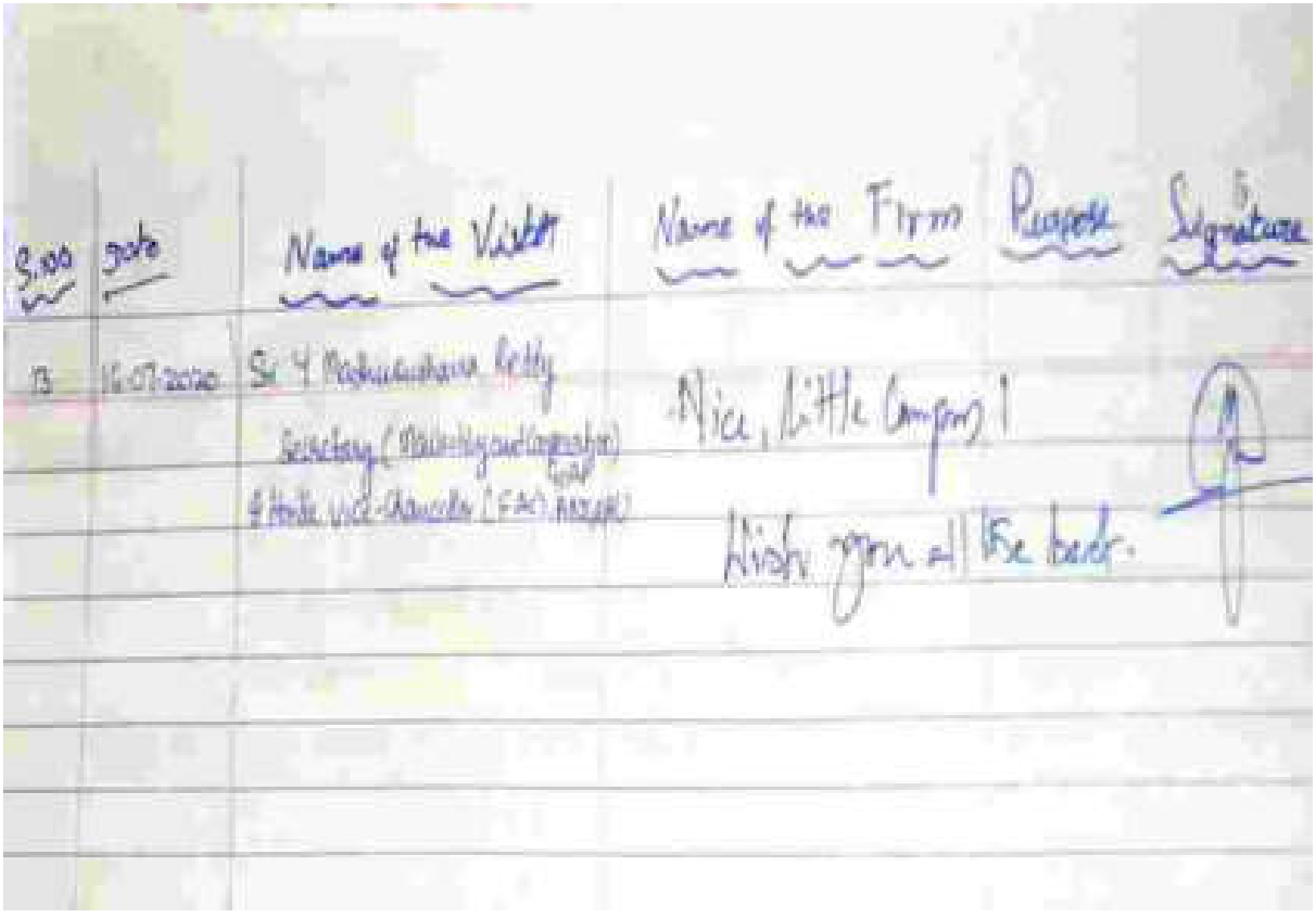


| S.no | Date | Name of the visitor | Name of the Firm | Purpose | Signature |
|---|---|---|---|---|---|
| 1. | 11/12/19 | B. Sathish<br>2nd Pharm<br>Rajath College of Pharmacy<br>9788426671 | Rajath college of pharmacy | To know the procedure for [illegible] | [illegible] |
| 2. | 12/12/19 | [illegible] | [illegible] | [illegible] | [illegible] |
| 3. | 12/12/19 | E. [illegible]<br>[illegible]<br>E.S.D [illegible]<br>Puducherry<br>[illegible] | [illegible] | [illegible] | [illegible] |

Enclosure - IV







| S.no | Date | Name of the Visitor | Name of the Firm | Purpose | Signature |
|---|---|---|---|---|---|
| 13 | 16.07.2020 | Sri. Y. Nakkuvaiahana Reddy Secretary (Maintaining and Computation) & Addl. Vice-Chancellor (I/c) | Nice little Campus! Wish you all the best. | | |

Bangalore
23-07-2010

## TESTIMONIALS

I am, KISHORE ERLA, (BF-TG-033)
alumnus of College of Food science and technology, (CFST), Rapatla. I was a student of this prestigious college from 2005 to 2010. Currently I am working as Immigration officer, in Bureau of Immigration, Ministry of Home affairs Govt of India.

CFST, Rapatla is one of a kind in Food technology Domain with high standards and well experienced faculty. The college has well equipped labs with modern technology instruments which will help the students to acquire knowledge about the current and upcoming trends in food technology. The Mini product development phase and the scheduled periodical industrial visits will definitely help the students to maximize their wisdom and will also help them to learn entrepreneurial skills.

(KISHORE ERLA)
Immigration officer,
Bureau of Immigration,
Ministry of Home affairs
Govt of India

## Testimonial

"I am very glad to share a positive journey of B.Tech (FoodTechnology) at College of Food Science and Technology. The academic experience with the college is excellent, college atmosphere is full of motivation and innovation. College has well experienced faculty has endowed me with a lifelong career excellence. The teaching methodologies backed by practical skills and industrial visits given me the confidence to pursue my career ahead. The all-time support and motivation of the faculty members of college of food science and technology, Bapatla has enlightened me throughout the beautiful journey during my graduation.

I am very happy that I got an opportunity to study in food science and technology, Bapatla which change my life a lot. Currently I'm working as Assistant Professor in same college. I'm so proud to be alumni of the college".

Bhavya Sagar Sorlam
Assistant professor
Dept of food process engineering
ANGRAU
Bapatla

Testimonial

Its given my immense pleasure to say with pride that I have completed my undergraduate B.Tech (Food Technology) from Dr. NTR College of Food Science and Technology, Bapatla from 2006 to 2010 batch. Currently I am working as Assistant Professor in same college in the department of Food Processing Technology from 2017 to till date. I have worked as Teaching Associate for about four years from 2013 to 2016 in the department of FoodProcessing Technology at College of Food Science and Technology, Pulivendula.

Dr. NTR College of Food Science and Technology, Bapatla holds a plethora of opportunities to succeed in Food Processing sector. In college, the relationship between faculty and students is very cordial, which gave me an opportunity to excel in my area of interest "Teaching". In addition to this, the academic and course curriculum helped me to grow better professionally & personally. Lectures and classes in College of Food Science and Technology helped me to learn and to increase my knowledge in sector of Food Processing Technology by both theoretical and practical way. The hands-on nature of the programme makes learning very accessible. I would like to extend my thanks to teachers and other staff of College for making me a better person and guiding me in write pathway to reach my goal.

Mrs. K.Sowjanya
Assistant Professor
Department of Food Processing Technology
ANGRAU
Bapatla

## To whom so it my concern

This is K. MuraliNaik , Alumni student of College of Food Science and Technology, Bapatla I was a students of 2005 batch and passed out in the year 2009. As a student of CFST Bapatla I feel that the teaching and learning methods which the faculty used to follow are excellent. Because of my faculties continuous guidance I am holding a position in Vignan's University as Assistant Professor in Department of Food Technology. Apart from this my college is fully equipped with advanced equipments for the benefit of student.

K. MuraliNaik
Assistant Professor
Vignan's University

## TESTIMONIAL

My name is Priya Singh & I completed my B.Tech from the College of Food Science and Technology (CFST), Bapatla in the 2016 (Bl-12-09) which was under the ANGRAU, Hyderabad.

I had a great journey throughout my bachelor's degree. Here I would like to share a few things about my experience.

1. After clearing the ICAR UG entrance exam with 2555 AIR, I got awarded by ICAR fellowship which was about 1000 rupees per month. Which helps me a lot to reduce my financial burden.
2. There were many good courses offered by ICAR, among all the courses I found the food technology course very interesting because of many reasons. The primary reason was to join this course to reduce the hunger and malnutrition issue in India by giving my small contribution in the same area.
3. Here the expectation meets reality when I started my journey in the CFST, Bapatla. Each and every faculty in the CFST was very dedicated and hardworking which motivated me a lot to do something great in my life.
4. The course structure was designed very well to explain each topic comprehensively. As I remember each course had practical or laboratory classes to make us understand everything thoroughly and also it provides us the practical knowledge of the subject. Each course was completed on time so that we could prepare for the exams.
5. In the final year of my B.Tech, I got the chance to work on a small business project named "**Spices Hub**". In this project about (8-10) members worked as a team and prepared the spices and sold it in the local market and nearby district. As per my knowledge, we got 20000 rupees from college and we earn about 2 lakh 50 thousand which was really a lot for us. This project taught us how to run a business as a result one of our team members open their own spices company after the completion of B.Tech and hired a few of our teammates in their company.
6. In-plant internship experience also helps me to get exposure about the food processing industry. I discovered my motivation toward Research and Development field while working in the industry as an intern.
7. After completion of my great journey from the CFST, Bapatla I qualified for **GATE entrance exams** and got admission in the **IIT (BHU), Varanasi** for my Masters' degree. During my masters, I got awarded by **DAAD IIT Masters sandwich scholarship** and went to Germany for my M.Tech research project which was my first international exposure and after M.Tech I decided to pursue my Ph.D. from the international institute to make my dream true. I wrote the GRE & TOEFL exams and scored enough to get the admission in the United State of America university. Currently I am doing PhD and working as a research assistant in the **University of Missouri, Columbia USA** in the sustainable food engineering area.

I am so thankful that I stumbled upon this opportunity to share the best things about our college, and all that it has taught me over the years.

I am very thankful to the ICAR and CFST, Bapatla faculty for their great contributions during my B.Tech journey.

**Contact Detail:**

Priya Singh (PhD Student)
Department of Biomedical, Biological & Chemical Engineering
University of Missouri, Columbia USA
Email: psc7h@mail.missouri.edu and priyasingh.bsc15@rishihu.ac.in
Mobile: +1 470-440-8256

## Testimony-Sharmila.K

Inbox

**sharmila kundeti**
<sharmila.kundeti@gmail.com>
To: foodscience@gmail.com
Reply | Reply to all | Forward | Print | Delete | Show original

I sharmila kundeti,an alumni of CFST bapatla bearing an ID/No. BF-13-040 Currently working as an R&D Executive at Flavour industry Bangalore Trying to sum up in only a few lines what I enjoy most about CFST is particularly difficult. The four years that I have spent here as a student have been fantastic for a whole host of reasons. The ultimate aim of any college education is obviously to get a degree at the end and I've found that CFST is a great place to study, not least because it's a university that make you want to learn. The professors are all experts in their fields, which mean they have a passion for their subjects that is infectious.

The college also places a lot of emphasis on student life and while I've been here I've been able debate,sit on student committees and compete for the university's sailing team as well as take part in a huge range of other activities. I came into first year with the intension of taking part in everything, but after only a few minutes I realised that was simply impossible as there is literally something for everyone here as there are well over one hundred different societies on offer. Social circles revolve around our interests in sport and extra-curricular, as a Food technologist

**Malti shete**
<maltishete1795@gmail.com>
To: foodscience@gmail.com
Reply | Reply to all | Forward | Print | Delete | Show original

College of Food Science and Technology gave me an opportunity to explore the world of Food Processing and guided me to the entrepreneurial gate-way by exposing me to the entrepreneurial skills by the Experiential Learning program and Hands-on Training in the final year. Right now I pursued PGDM(ABM) from MANAGE and joined Samunnati Financial Intermediation and Services Pvt Ltd as Management Trainee to become one of the best entrepreneurs in the field of Food Processing

Thanks and regards
Malti Nayn
Samunnati Financial Intermediation and Services Pvt Ltd
Management Trainee

**Fieldwithmilk Dhenuja**
<fieldwithmilk@gmail.com>
To: foodscience@gmail.com
Reply | Reply to all | Forward | Print | Delete | Show original

I am Dhanooja I'd no BF-12-23 From 2012 batch' currently working as a OHSE officer in Dubai.

I started my career as a trainee in TATA GLOBAL BEVERAGES (R&D dept). Research project in 3-2 helps me lot to formulate, analyse and to thesis the projects I handled.

Internships in 4-2 helps me understand the scope of work in the market and allows me to decide the field for better career prospects.

Food science and microbiology courses helps to understand the food hygiene rules and the paths to achieve food safety which gave me more scope to work in abroad.

I highly recommend my juniors to opt for this course and college.

Thanks for the opportunity.

**Aleena T. Mathew**
<mtaleena@gmail.com>
To: foodscienceappeals@gmail.com
Reply | Reply to all | Forward | Print | Delete | Show original

I am Aleena T Mathew (BF 12-004), BF 12 batch of CFST Bapatla. I got admission in CFST through ICAR entrance examination 2012. I am very glad to inform you that I am a guest lecturer at St. Genesis's College, Kanjirapally. I don't miss any chance to say about CFST to my students, because it is the building block to my career in the field of food technology. I worked as a Senior Executive Quality Controller in well renowned food industry (Manglam food tech pvt Ltd) in Kerala. It's my privilege to say that I got 10k more than who did B.Sc. prior to M.Sc food technology. I excelled in interview only because of the knowledge I got when we went for an industrial visit during 2nd year.

So I am very proud to say that I an alumni of CFST Bapatla. I love the days when I was in our campus.

Subject: College feedback
To: <foodscienceappeals@gmail.com>
Cc: Blessy Saigal <blessysaigal@gmail.com>

Hi,

I was really happy to be in a class (CFST BF-[illegible]) with people from all over the United AP and also from other country like Bhutan. I have not only earned a Degree in first class which laid foundation to my dream career but I've also learned a lot about different countries.

I am proud to be food technologist and being able to do my part in feeding the nation's in times of pandemic situation in which we are right now.

I thank all the teachers, staff and seniors who guided us and helped us during our four years of study.

Thanks and Regards

Sucharitha G

Lead Auditor FSSC 22000 V5, ISO 22000:2018, ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, BRC Food safety, Issue 8, Trainer FSSAI, Lead Instructor FSPCA PCQI for Human Food USFDA, - FSSAI.

# Testimonial

I am Teja Addagatla (BF 12-058), a student of Batch (2012-16). When I reflect on my four years in the College of Food Science and Technology, Bapatla, I conclude that the experience which I gain in my Internship, Experiential Learning Program (ELP), Theory and Practical Knowledge definitely made me a better employee in the field of Food Processing and Business. But also prepared me to face in unpredictable ways for my career. With the encouragement of supportive classmates and professors who were nothing short of champions, I discovered a skill that I didn't know that I had. That skill has played a key role in my work and the future too. Without their continuing support, I would not be the person I am today. My experience at CFST has turned into a journey I never thought possible, and I could be more thankful. It was a wonderful time in my life, and the best educational experience I've had.

Teja Addagatla

Formerly worked as a Consultant in Grant Thornton India LLP

Food Technology Programme offered by NTR CFST Bapatla had provided fair and equal access to everyone of us.

We had a different exposure to all the departments both practically and theoretically. Research Projects and ELP program is one of the best part in the CFST curriculum which enabled us to enhance the analytical skills in terms of food quality and assurance and typical business & Entrepreneurial skills in required for the FBO.

Students here are provided with Mentors who focuses on personal grooming.

Seminars and also Study tours to Food industries that gives a lot of practical exposure.

Great University and great atmosphere.

Aravind Gogada
BF12-010
Presently working in Tata consumer Products

**Sadhana Thokachichu <sadhana.tab@gmail.com>**

Dear Sir/Mam,

I'm Sadhana.T(BF13-032), Currently working as Food safety Analyst at Eat Good Technologies,Bangalore.

After completing my degree from CFST Bapatla, I started preparing for entrance examinations to purse Masters. the classes, concepts along with extraordinary laboratory exposure that were thought in the college helped me to get admission in one of the premium institutes IIFPT.
The internship, hands on training programs and industrial visits which were conducted in college has helped me a lot to understand the method of food processing on Larger scales.

Along with the Academics, sports and the cultural events conducted in college has always kept students motivated by appreciation of art.

Thanks and regards

--
Thanks & Regards

Sadhana Thokachichu
M.Tech-Food Technology
Indian Institute of Food Processing Technology

Gmail **Dr NTR College of Food Science and Technology <foodscienceatbapatla@gmail.com>**

**Student Testimonial**
1 message

**Ashutosh Tripathy** <ashutoshtripathy34@gmail.com>
To: CFST Bapatla <foodscienceatbapatla@gmail.com>, CFST Bapatla <foodscience_bapatla@yahoo.co.in>

Dear Authority,
I am Ashutosh Tripathy, an alumnus of Dr NTR College of Food Science and Technology of the batch 2014-2018 with ID number BF-14-009.

I came to know about this course in the ICAR-UG counselling from a wellwisher. Then I got into the Food Technology course all by chance. Then I can see that there is a lot more to be explored in this field especially in the Indian context.

I got into this college and found some best faculties in the business who have left no stones unturned in shaping me to become a food science professional. This being a niche subject of study, it was very much important to be updated with the recent trends and be industry-ready. We had a course like "Experiential Learning Program", which make us industry-ready and provides us with an entrepreneurial mindset.

Other courses focusing on the processing of various food products also make students industry-ready. Apart from that, courses covering legal aspects and engineering aspects of food processing opens the door for students to go for Agri-Business Management and proper academics based research and PhD respectively.

Now, I have completed my M.Tech in Food Process Engineering and looking forward to pursuing a PhD in Food Engineering domain mainly focusing on Blockchain and IoT technology integration into the Indian food processing sector.

It was a great five years spent here at Dr NTR College of Food Science and Technology because it laid the foundation stone for my career and also planted a seed of self-belief and technical knowhow to move forward in my career.

Thank You

I Mr.A.Poshadri, First Batch student of CFST, Bapatla. As a first batch student I got an opportunity to interact more with the faculty and scientists in the college laboratories and library to learn more skills and empowered with the knowledge on Food Technology. In my career topped all the national competitive exams like ICAR PG (JRF), PHD(SRF),ICAR-ARS, IABL, NDRI, BIS and FSSAI exams. I worked in different FMCG companies launched 20 commercial products products. Several Multinational companies are after me to induct into their R&D. I have received all time highest salary packages in industry and are outlar with students of CFTRI. Finally I have joined as faculty in the PJTSAU and wrote 2 books and 25 research papers and delivered many guest lecturer in various national and international conferences and workshops. I strongly believe that all these achievements would not possible with out the foundation laid by the CFST Bapatla in my career.

Mr.A.Poshadri

Assistant Professor

PJTSAU, Telangana State

Spice Farm



**SAI PRASANNA . K**

**PARTNER**

**SANAV FOOD PRODUCTS**

My Name is Sai Prasanna ( BF-11-41) and am an Entrepreneur. I was excited to get the chance to review this course " FOOD SCIENCE AND TECHNOLOGY". I strongly recommend this course to everyone interested in running a successful business related to the same field because we feel proud to be a food technologist even after studies.

As a food technologist during graduation I had acquired several skills from product development, food analysis, baking technology etc and I learned more about plant designing and equipments which includes the study of a food item from farm to plate. The answer was obvious. By learning to be a food technologist I could continue to be in this field and help people in the food industry field, using skills I already had a foundation in, and make a better future. Yes it became very easy for me to startup a company because I know this course taught me everything what I have to do to be an entrepreneur and Am proud to be an Woman Entrepreneur.

I love my job and I learn something new almost everyday. Thanks to "COLLEGE TO FOOD SCIENCE AND TECHNOLOGY", Bapatla. I now have a skill set that will carry me into the future.

Gmail Dr NTR College of Food Science and Technology <[redacted]>

**Letter of appreciation**

1 message

**hd raid** <[redacted]>
To: [redacted]

It was my immense pleasure and fortune to be the part of College of food science and technology, Bapatla batch 2014-2018. The entire faculty and department has played a vital role in developing my knowledge and personality. I have established my leadership, time management and team skills and have also been able to advance the skills to the whole new level which contributed to the person who I am. I had the opportunity to grab the position of Product Development Executive in well established company, ITC Foods Division.

The college has given me all the facilities to acquire knowledge regarding
1.All the subjects related to the food processing i.e. from development of the product to it's shelf-life extension, quality testing and it's packaging.
a. Food science and technology
b. Food Engineering
c. Food Microbiology
d. Food Chemistry
e. Food Packaging
2. Learnt the entrepreneurial skills from EDP Module
3. Various food testing methods which is helping me in each and every step of the course i am pursuing.
I will always cherish the journey in CFST and will be thankful.

From,
M Durga Rao
BF 14-009

# Self Study Report

**of**
**Dr. NTR College of Food Science & Technology**
**Bapatla -522101, Guntur District**
**Andhra Pradesh**

**Submitted to**
**THE INDIAN COUNCIL OF AGRICULTURAL RESEARCH NEW DELHI**

For Accreditation of Dr. NTR College of Food Science & Technology, Bapatla

## Acharya N G Ranga Agricultural University
## Lam, Guntur – 522034, Andhra Pradesh

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## Self Study Report Committee

| | | | |
|---|---|---|---|
| **1** | **Dr. Ch.V.V. Satyanarayana** | **Professor & Univ. Head of Food Process Engineering** | **Chairman** |
| **2** | **Dr. Mogal Sardar Baig** | **Associate Professor** | **Member** |
| **3** | **Dr. Ch. Someswara Rao** | **Assistant Professor** | **Member** |
| **4** | **Dr. Vimala Beera** | **Assistant Professor** | **Member** |
| **5** | **Sri T.V. Ramana Reddy** | **Administrative Officer** | **Member** |

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**Self Study Report for the Colleges**

**Historical Background of the College**

The College of Food Science and Technology was established during the year 2003 transforming the erstwhile College of Home Science, Bapatla. The College has been established as per the orders vide Proc. No. 838/Acad.I/A1/2003, dated 21.04.2003 (Enclosure-1). It is one of the constituent colleges of Acharya N.G. Ranga Agricultural University offering a four year B Tech. (Food Technology) degree and is the first college in Andhra Pradesh offering B. Tech. (Food Technology). The College was renamed as Dr. NTR College of Food Science & Technology, Bapatla in 2018 as its foundation stone was laid by former visionary Chief Minister of Andhra Pradesh, Late Dr. Nandamuri Taraka Rama Rao. The total area of the College is 12.4216 Acres (Enclosure - II).

**Objectives and Accomplishments**

- Started with a vision of developing technically equipped personnel to the food industry and allied disciplines.
- To inculcate the culture of entrepreneurship in the students so that they could turn into employment providers rather than seekers in the field of food processing by Experiential Learning Program (ELP).
- To develop new technologies for value addition of the agricultural produce.
- To adopt stringent international standards of food quality & food safety.
- To establish well equipped food quality control laboratories

**Location of the Institute**

Dr. NTR College of Food Science & Technology is located at Bapatla, Guntur District, Andhra Pradesh on the East Coast of India at an elevation of 5 m above the mean sea level and 7 km away from the Coast of the Bay of Bengal at the intersection of 15.54$^{o}$ N latitude and 80.30$^{o}$ E longitude. The College is about 3 kilometers away from Bapatla Railway Station on the Vijayawada - Chennai route and near to Bapatla New Bus Stand in Guntur road.

**Climate**

The region experiences tropical humid weather. The decennial average annual rainfall is about 1031.1 mm, of which 621.2 mm is received during the south – west monsoon, 319.5 mm in the north - east monsoon and 90.4 mm during the rest of the year. The maximum day temperature goes up to 45$^{o}$C during the month of May while the lowest night temperature drops down to 15$^{o}$C during winter.

**Need for an Organization of this Kind**

Food Processing adds value, enhances shelf life and encourages crop diversification. Above all, it is employment intensive, generating direct and indirect employment opportunities. Food Science & Technology is a core discipline, with basic and applied sciences, engineering aspects along with several interacting disciplines like biochemistry, microbiology, economics & management, marketing, legal and social aspects.

The changing food trends and working culture of the people increased demand for processed and packaged foods such as ready to eat, ready to cook and ready to serve beverages. India requires technical manpower for food industry to meet global challenges, to bring transformation by value addition in order to achieve better economic returns to farmers and to provide safe and contamination free food to the consumers. Keeping in view of the increasing demand for qualified personnel in the area of Food Science & Technology, Acharya N.G. Ranga Agricultural University started a four-year B. Tech. (Food Science) Programme at College of Food Science and Technology, Bapatla during the academic year 2003-2004 with 40 seat intake. Gradually the intake has been increased to 66 and also 15% supernumerary ICAR allotted seats.

**Present Status of the Institution**

Dr. NTR College of Food Science & Technology (CFST) has established itself well and is very much needful to the present generation following the revolutionary changes in food industry with a wide range of placement opportunities. It is also an added advantage that the banking sector is poised to support the food processing industries. The utilization of ICTs for enhancing teaching skills has been in use at this college for the last ten years and it is being updated from time to time. This College is successfully conducing online teaching classes using Zoom during COVID-19 lockdown. The students have performed well in several competitive examinations for higher studies. This is reflected in the achievement of ICAR ranks and also admission into various national Institutes such as CFTRI, Mysore; IIFPT, Tanjavur; NIFTEM, Kundli; ICT, Mumbai; IIP Hyderabad during the years 2014-15, 2015-16, 2016-17, 2017-18, 2018-19 and 2019-20. Students with fellowship took their admissions into M.S. programmes in USA, UK, Netherlands apart from the MBA admissions in MANAGE, IRMA and NAARM. The same spirit is being continued in making the college flag fly high by getting placements in multinational companies like Coca-Cola, Britannia, GlaxoSmithKline & Beecham, ITC, Pepsico etc. The students were also absorbed into nationalized banks.

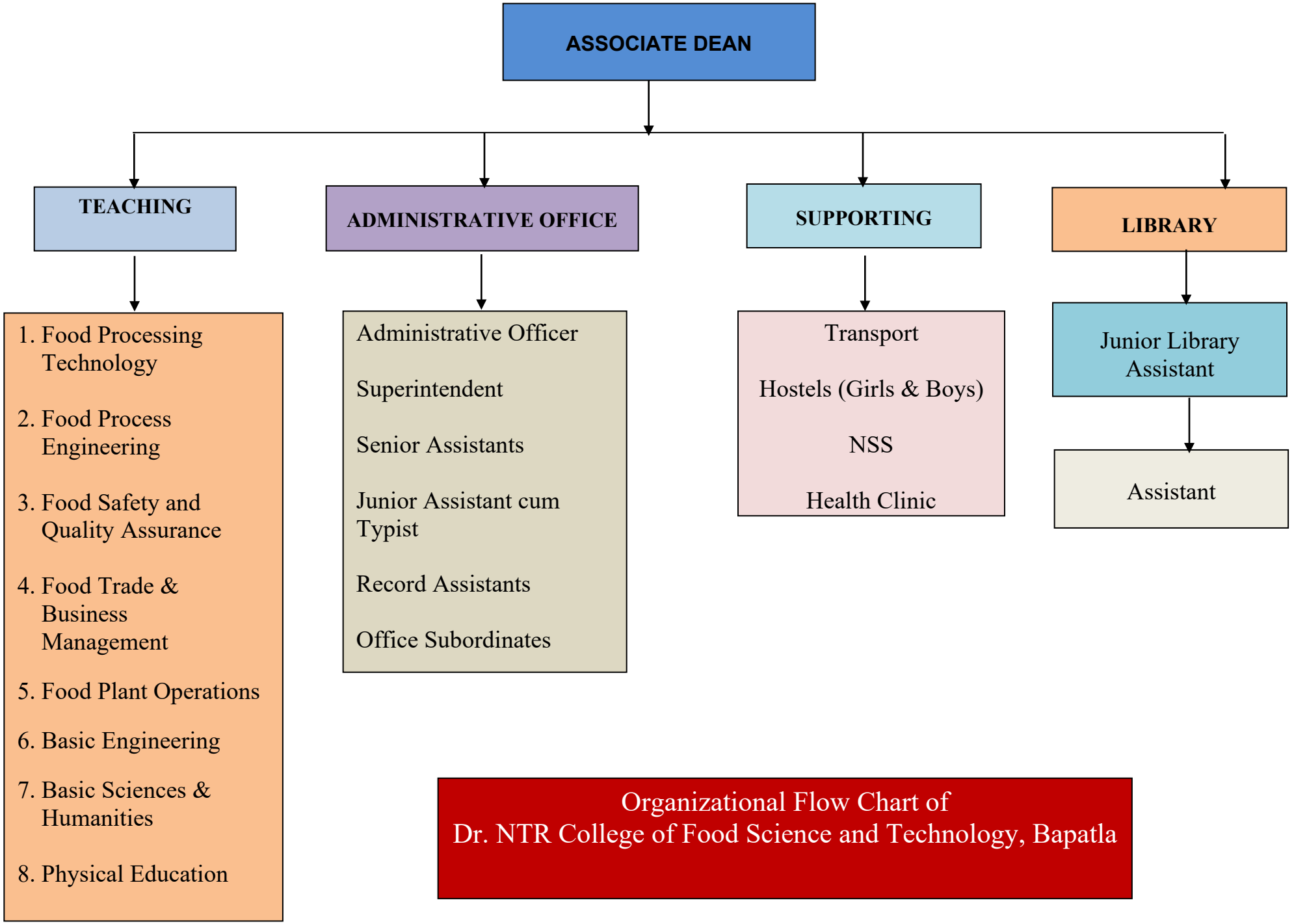
### 6.5.1. College Administration

6.5.1.1. **College Dean's Office Establishment:**

Mode of Selection: By nomination of senior faculty by the University from a panel of senior faculty.

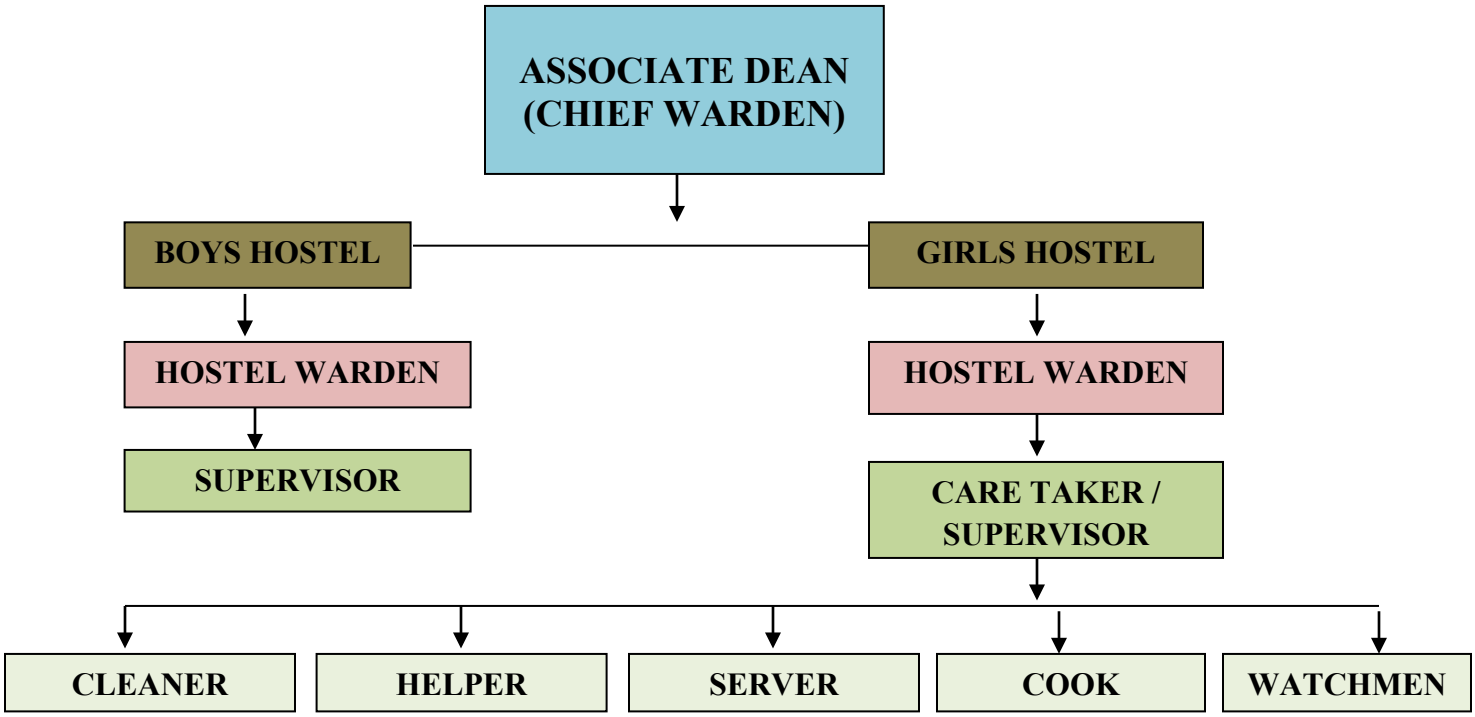
Tenure: Normal tenure is for a period of 2 years and extendable by one year.

Date of selection of present Associate Dean is 01.07.2020 as per the University Memo. No. 8004/Ser.II/A1/2020, dated 25.06.2020 of the Registrar, Acharya N.G. Ranga Agricultural University, Lam, Guntur (Enclosure-III).




Organizational Flow Chart of
Dr. NTR College of Food Science and Technology, Bapatla

# COLLEGE HOSTELS




**Organizational Flow Chart of**
**Hostels of Dr. NTR College of Food Science and Technology, Bapatla**

## COLLEGE ASSOCIATE DEAN'S SECRETARIAT

| Sl. No. | Name of the Post | Number |
|---|---|---|
| 1 | Administrative Officer | One |
| 2 | Superintendent | One |
| 3 | Senior Assistant | Two |
| 4 | JACT | One |
| 5 | Record Assistant | Two |
| 6 | Officer Subordinates | Five (Outsourcing) |
| | | |
| 1 | Officer In-Charge Academic Matters | One |
| 2 | Officer In-Charge Student Activities | One |
| 3 | NSS Program Officers | Two |
| 4 | Training & Placement Cell In-Charge | One |
| 5 | SC & ST Cell In-Charge | One |
| 6 | Wardens<br>(Boys Hostel & Girls Hostel) | Two |
| 7 | Transport Officer | One |
| 8 | Library In-charge | One |
| 9 | Physical Director | One (Part-time) |

**Infrastructure Facilities**

| Sl. No. | Item | Number |
|---|---|---|
| 1 | Xerox Machines | Three |
| 2 | Computers | Seven |

**Facilities Available with Associate Dean's Office**

| Sl. No. | Item | Number |
|---|---|---|
| 1 | Laptop | One |
| 2 | Color Photocopier Machine | One |
| 3 | Wi-Fi Facility | One |
| 4 | CC TV Monitoring System With 55" Screen Display | One |
| 5 | College Awards Rack | One |
| 6 | College Magazine Rack | One |
| 7 | Printer | One |

6.5.1.2 **Monitoring Mechanism for Quality Education:**

**a) Basic frame work of Monitoring Mechanism**

Curriculum teaching is the most important form of collegiate education. It is important for the colleges to establish the quality teaching standards which includes teaching methodology, teaching content, teaching attitudes and also effectiveness of teaching with suggestions as well.

The monitoring mechanism of three levels is maintained which is composed of Faculty, College and Departments and they maintain and implement quality as per the management functions at different levels. The apex authority for monitoring is the faculty board of the University. The teaching administration is the centre for monitoring implementation, actualizing the department functions and coordination and feedback analysis. The main entity is the college to implement the teaching and management and department is the essential unit to implement quality teaching monitoring. The Dean of Faculty has the responsibility for overall quality of teaching in the constituent colleges and Associate Dean of the college concerned is responsible for classroom quality control, implementation of academic regulations; departments teaching quality and strengthening with equipped laboratories of department. The Head of the each department ensures strict implementation of class room teaching.

**b) Monitoring Mechanism:**

The Associate Dean, as the head of the college conducts regularly staff meetings to allot the courses, implementation of academic regulations in force, monitoring problems faced during implementation and also identification of deficiency area for improving quality standards of teaching staff and deputing them for trainings.

The main tool for judging teaching quality is by evaluation. College always adheres to the evaluation policy by evaluating quality teaching through practical classes, video demonstration for latest technologies, industrial visits as practical class tours in curriculum, examining the teacher skills for managing classroom teaching and applying modern teaching methods, inspiring students enthusiasm for learning, maintaining good classroom atmosphere with equipped facilities and also obtaining feedback from the students.

The Dean, Faculty of Agricultural Engineering and Technology, Acharaya N.G. Ranga Agricultural University, Lam, Guntur has been periodically making his visits and conducting the technical inspection for checking the performance and improvement of the college. The internal quality of teachers is assessed by the Associate Dean with the help of Internal Quality Assessment Cell (IQAC) of the College.

The College does not have online monitoring mechanism at present. However, it has a strong student advisory system of allotting about 30 students to one faculty advisor for every batch. The advisory classes are conducted weekly as per the time table and students are given opportunity to develop personality and interview skills, counseling to complete any backlog exams and also about academic regulations. The students are often allowed to open up in the advisory classes and give feedback about teaching methodology and conduct of classes. Study hours are also sometimes arranged for backlog students to put up extra hours and is closely monitored by a teacher in-charge. Student representatives are also allowed to interact in Student-Teacher Counsel Meetings. Activities related to College Day, Hostel Day, Sports and Cultural events are often decided based on the decision of the Student-Teacher Council. Regular staff meetings are conducted and chaired by the Associate Dean to assess the performance of the students and monitor the academic program. General body meetings (GBM) with all the boarders are conducted at regular intervals to discuss the issues related to hostels. Supervisors are allotted at the College and at the industry to monitor the progress of students during in-plaint trainings. The progress of Experiential Learning Programmes (ELPs) is monitored by the Directors nominated by the Associate Dean. The responsibilities of all the academic matters are bestowed Officer-In-Charge of Academic Matters (OAM), the responsibility of quality amenities needed by the students for stress free education lies with Officer-In-Charge of Student Activities (OSA) and comfortable boarding and lodging facilities are provided by the Wardens of both Girls and Boys Hostels.

6.5.1.3 **CC/Board of Studies:**

There is a two level system to look after the studies and is taken up at the University level.

**Recommendations of the Faculty Board**

| Sl.No. | Meeting Details/ Proceedings | Date | This Book Pg. No. | Recommendation Made |
|---|---|---|---|---|
| 1 | Faculty Board Meeting | 14.12.2018 | Enclosure – IV | Examinations – Uniformity in the evaluation systems of Semester Final Theory Examination in B. Tech (Food Technology) Degree Programmes. |
| 2 | Faculty Board Meeing/Agenda item No. 5, Page 17-25 | 14.12.2018 | Enclosure - V | Delegation of Financial Power as per the ELPM guidelines to different cadres, who are monitoring the EPLM units. |
| 3 | Faculty/Board Meeting/Agenda Item No. 6, Page, 26-28. | 14.12.2018 | | Non-accredited Colleges by ICAR Strengthening and Development Funding for Equipment and Other to meet the requirements of V Dean's Committee Recommendations – Sanction of Funds from University source. |

**Recommendations of the Academic Council**

| Sl.No. | Meeting Details/ Proceedings | Date | This Book Pg. No. | Recommendation Made |
|---|---|---|---|---|
| 1 | 98th Meeting Item No. 31 Page 235-246 | 09.06.2017 | Enclosure - VI | V Dean Committee, ICAR recommendations B.Tech (Food Technology) Degree Programme – Revised UG course curricula for 2016 admitted batch from academic year 2016-17 – Implemented – Ratification for I and II semester and approval for remaining semesters. |
| 2 | 101st Meeting/Agenda Items 18, Page 83 | 15.12.2018 | Enclosure - VII | Examinations – Uniformity in the evaluation systems of Semester Final Theory Examination in B. Tech (Food Technology) Degree Programmes. |
| 3 | 101st Meeting/Agenda Items 18, Page 84-86 | 15.12.2018 | Enclosure - VIII | Non-accredited Colleges by ICAR Strengthening and Development Funding for Equipment and Other to meet the requirements of V Dean's Committee Recommendations – Sanction of Funds from University source. |

A committee is constituted with following members to monitor the academic programs implementation in the college;the Heads of Departments and Officer In-Charges of Academic Matters and Officer In-Charge of Training and Placement Cell, Office In-Charge of Student Activities.The Committee meets regularly and takes decisions on the academic programmes implementation.

To ensure quality education, Dr. NTR College of Food Science & Technology has formed "Student Teacher Council Committee" comprising of faculty members from departments of the college and students nominated from each batch. All class rooms and examination halls are equipped with CC TV cameras.

The committee is further strengthened with subcommittees based on the activity as detailed below;

**Student – Teacher Council Committee (STC)**

| Sl.No. | Name of the Faculty | Designation | STC Committee |
|---|---|---|---|
| 1 | Dr. Y.Radha | Associate Dean | Chairman |
| 2 | Mrs. K. Sowjanya | Assistant Professor &OSA | Convener |
| 3 | Dr. Ch.V.V. Satyanarayana | Professor | Member |
| 4 | Dr. M. Sardar Baig | Associate Professor | Member |
| 5 | Dr. Ch. Someswara Rao | Assistant Professor | Member |
| 6 | Dr. Vimala Beera | Assistant Professor | Member |
| 7 | Mrs. M. Kirthy Reddy | Assistant Professor | Member |
| 8 | Mrs. E. Gowthami | Assistant Professor | Member |
| 9 | Dr. S. Blessy Sagar | Assistant Professor | Member |
| 10 | Er. K. Rajesh | Assistant Professor | Member |

| Sl. No. | Committee Name |
|---|---|
| 1 | College Executive Committee |
| 2 | College Maintenance Committee |
| 3 | Anti Plagiarism Committee |
| 4 | Project Allotment Committee |
| 5 | Sport and Co-Curricular Activity Committee |
| 6 | Purchase Committee |
| 7 | In-Plant Evaluation Committee |
| 8 | Credit Seminar Evaluation Committee |
| 9 | Hostel Maintenance General Body Committee |
| 10 | Anti-ragging Committee |
| 11 | Health Clinic Maintenance Committee |
| 12 | Tour Committee |
| 13 | Disciplinary Committee |
| 14 | Training and Placement Committee |
| 15 | Student Activities Committee |

**Minutes from Board of Studies Register**

| Year | Date | Major Recommendations |
|---|---|---|
| 2015-16 | 05.10.2015 | The purchase process for the ICAR – Strengthening and Development grant is to be initiated. |
| | 13.11.2015 | It is decided to attend the arrangement for ANGRAU main building foundation stone at Lam Farm, Guntur on 16.11.2015. |
| 2016-17 | 26.11.2016 | Decided to prepare the revised course and lecture outlines. |
| | 18.01.2017 | A list of equipment has been prepared keeping in view of the revised UG syllabus. |
| | 07.02.2017 | 1. All faculty in the University should follow uniformity in Academic Calendar from I year to IV year.<br>2. For divinely abled persons pass marks reduced by 10%. This is applicable to practical and final theory. |
| | 28.02.2017 | 1. Discussed probable date for presentation by the implant trainees.<br>2. Finalized the Chief Guest for the College Day and Hostel Day celebrations. |
| 2017-18 | 11.04.2017 | All the faculty are instructed to update records of developmental activities in academics, placement and infrastructure. |
| | 06.06.2017 | 1. Digitalization of the library was emphasized<br>2. Students unique ID numbers need to be implemented. |
| | 26.08.2017 | 1. The village adoption program should be organized in the village Pinniboinavari Palem.<br>2. Biometric system should be modified to reflect the changes in the names.<br>3. Associate Dean instructed to constitute anti-ragging committee. |
| | 12.09.2017 | Regular updation of attendance registers should be done. |
| | 22.09.2017 | 1. Prepare workload for semesters and years for new and old syllabus according to the department.<br>2. Teacher wise workload should be prepared by the respective heads of the departments. |
| | 03.10.2017 | To organize World Food Day and Alumni Meet |
| | 09.10.2017 | On the occasion of the Alumni meet accommodation is to be provided in APHRD and College Guest Houses. |
| | 17.10.2017 | 1. Incubation center proposal for the technologies developed at the College.<br>2. NTS demand should go in time for release of scholarships. |
| | 01.11.2017 | 1. Civil works at the college should be regularly monitored by the construction committee. |

| | | |
|---|---|---|
| | | 2. The biometric timings should be followed as per the office and college timings |
| 2018-19 | 01.05.2018 | 1. Clean and green program should be done in the college<br>2. Class attendance should be marked in cumulative numbers only both for theory and practicals separately. |
| | 21.06.2018 | 1. Allotted ELP modules to Final Year students<br>2. Finalization of 1st, 2nd and 3rd year courses in-charge |
| | 22.09.2018 | 1. Biometric attendance for both students and teachers.<br>2. Created student data base with unique IDs. |
| 2019-20 | 01.07.2019 | Issued instructions for spot evaluation |
| | 20.08.2019 | Undertaking letter obtained from hostellers on anti-ragging affidavits to submit to advisors. |
| | 26.10.2019 | 1. Obtained FSSAI license for hostel mess<br>2. Instructed Physical Director to take Yoga Classes to the Students |

**List of Research Projects Completed**

| Sl. No. | Title of the Research Project | Faculty |
|---|---|---|
| **2015-16** | | |
| 1 | Development, Fabrication and testing of a tender coconut water extractor | Dr. Ch.V. V. Satyanarayana, Professor & Head |
| 2 | Development of instant idli mix incorporated with finger millet flour | Er. M. Sardar Baig, Assistant Professor |
| 3 | Formulation and standardization of cakes and muffins by incorporating tender palm shoot flour | Mrs. M. Kirthy Reddy, Assistant Professor |
| 4 | Study on the effect of hydrocolloids on oil uptake by potato chips | |
| 5 | Evaluation of safety & nutritional quality of flaxseed (*Linum usitatissimun*) | Dr. Vimala Beera, Assistant Professor |
| 6 | Study on substitution of sugar with date powder in muffin making | R. Preeti Sagar, Teaching Associate |
| 7 | Effect of foaming agents and RPM on foam mat drying of muskmelon pulp | Er. K. Rajesh, Assistant Professor |
| 8 | Studies on spray drying of chia seeds mucilage | Dr. B. Sunitha Teaching Associate |

| | | |
|---|---|---|
| **2016-17** | | |
| 1 | Development of ready to cook sesame meal and moringa leaves curry mix | Dr. Ch.V. V. Satyanarayana, Professor & Head |
| 2 | Studies on effect of hydrothermal treatments on flaking of sorghum | Er. M. Sardar Baig, Assistant Professor |
| 3 | Fabrication of potato slicer | Er. K. Rajesh, Assistant Professor |
| 4 | Effect of pretreatments on dehydration and rehydration characteristics of carrot (*Dacus carota*) slices | Mrs. M. Kirthy Reddy, Assistant Professor |
| 5 | Consumption pattern & microbial profiling of street vended foods | Dr. Vimala Beera, Assistant Professor |
| 6 | Development and standardization of oatmeal based watermelon bar | Mrs. K. Sowjanya, Assistant Professor |
| 7 | Studies on physiological properties and proximate analysis of caprice papaya seed | Dr. B. Sunitha Teaching Associate |
| **2017-18** | | |
| 1 | Development and evaluation of pasteurized deseeded tomato wedges | Dr. Ch.V. V. Satyanarayana, Professor & Head |
| 2 | Development of value added products from sour orange | |
| 3. | Development of process technology for neem leaf and turmeric powder concentrations for formulation of tablet | Er. M. Sardar Baig, Assistant Professor |
| 4 | Optimization of chia seed (*Salvia Hispanica* L) wheat flour for chapathi and its evaluation. | Er. K. Rajesh, Assistant Professor |
| 5 | Fabrication and evaluation of little guard cutter | |
| 6 | Study on physico- chemical properties of oil and powder of date palm seeds (*Phoenix dactylifera*). | Mrs. M. Kirthy Reddy, Assistant Professor |
| 7 | Standardization of storage conditions of sugarcane dices & development of Sugarcane dicer. | Dr. Vimala Beera, Assistant Professor |
| 8 | Studies on quality of dehydrated sessile joyweed leaves (*Alternanthera sessilis*) – an underutilized green leafy vegetable. | |
| 9 | Development and standardization of instant mango puligore mix | Mrs. K. Sowjanya, Assistant Professor |
| 10 | Effect of refractance window drying on quality of guava leather | Er. E. Gowthami Assistant Professor |
| 11 | Studies on quality parameters of spaghetti prepared by Rajma (*Phaseolus Vulgaris*) and Yam (*Dioscorea* | |

| | | |
|---|---|---|
| | *batata*) flours. | |
| 12 | Development of Guduchi based beverages | Dr. S. Blessy Sagar<br>Assistant Professor |
| 13. | Carbonated beverage fortified with Guduchi and Whey | |
| **2018-19** | | |
| 1 | Development of tadgola crush and effect of packaging on shelf life of tadgola. | Dr. Ch.V. V. Satyanarayana,<br>Professor & Head |
| 2 | Effect of citrus peel and alginate coating on shelf life of frozen chicken patties | Dr. M. Sardar Baig,<br>Assistant Professor |
| 3 | Study on storage life of Ready To Eat Egg | Dr. Ch. Someswara Rao<br>Assistant Professor |
| 4 | Optimization and Comparison of microwave ultrasound and ohmic heating assisted techniques of Anthocyanin extraction for production of natural dye from banana bracts. | Er. K. Rajesh,<br>Assistant Professor |
| 5 | Development of pH based test strips from natural plant extracts for determining quality of juices in 2019. | Dr. Vimala Beera,<br>Assistant Professor |
| 6 | Extraction and evaluation of tamarind kernel mucilage powder for hydrocolloidal properties | Mrs. M. Kirthy Reddy<br>Assistant Professor |
| 7 | Development and standardization of multi millet noodles by incorporation of sweet potato flour | Mrs. K. Sowjanya<br>Assistant Professor |
| 8 | Development of Health Drink by incorporation of *Hemidesmus Indicus* (Nannari) syrup in muskmelon juice | |
| 9 | Development and evaluation of weaning mix incorporated with sapota and carrot powder | Er. E. Gowthami<br>Assistant Professor |
| 10 | Studies on quality evaluation of sorghum milk based ice cream | Dr. S. Blessy Sagar<br>Assistant Professor |
| **2019-20** | | |
| 1. | Effect of magnetic field on physical properties of liquid foods | Dr. Ch. Someswara Rao,<br>Assistant Professor |
| 2 | Development and evaluation of herbal tea dip with guava leaves | Smt. M. Kirthy Reddy<br>Assistant Professor |
| 3 | Utilization of pumpkin seed in the preparation of chikki | Dr. M.Sardar Baig<br>Associate Professor |
| 4 | Development and proximate analysis of value added products from *Aerva lanata* | Dr.Ch.V.V.Satyanarayana<br>Professor |
| 5 | Study on value added products of Arroue Root Powder | Dr.Ch.V.V.Satyanarayana |

| | | |
|---|---|---|
| | | Professor |
| 6 | Development of fibre-enriched breakfast cereals | Dr. S.Blessy Sagar<br>Assistant Professor |
| 7 | Studies on parameters and shelf life extension of ready to cook frozen multi-millet unleavened Indian flat bread (Chapati) | Mrs. K. Sowjanya<br>Assistant Professor |
| 8 | Formulation of millet-oat composite flour for incorporation into cookies | Mrs. R. Preethi Sagar<br>Teaching Associate |
| 9 | Development of instant upma mix by using barnyard and sorghum | Dr. B. Sunitha V.S<br>Teaching Associate |
| 10 | Establishment of value-added products from *Eclipta Prostrata* leaves (Bharingraj Leaves) | Dr. Vimala Beera<br>Assistant Professor |

**Internship Allotment**

**2015-16**

| Course No. | Name of the Programme | No. of Students | Location | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| FTIT-401 | In-Plant Training | 66 | Various Locations in Andhra Pradesh, Telangana, Orissa, Kerala and Karnataka | 10.12.2015 | 09.03.2016 |

**2016-17**

| Course No. | Name of the Programme | No. of Students | Location | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| FTIT-401 | In-Plant Training | 06 | Pearl Bottling Pvt. Ltd., Durga Nagar, Madhurawada, Vizag | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 01 | Glaxo Smithkline Consumer Healthcare Ltd.,Industrial Area, Dowlaiswaram ,A. P. | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 04 | Telangana Foods, IDA, Nacharam, Hyderabad – 500076, Telangana | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 07 | Pepsi Food Products Ltd., Pothireddy pally, Sangareddy Mandal Medak (Dt.) | November, 2016 | March, 2017 |

| | | | | | |
|---|---|---|---|---|---|
| FTIT-401 | In-Plant Training | 04 | Vimta Labs Ltd., Alexandria Knoledge Park, Turkapalli, Sharmeerpet-500078 | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 01 | Hindustan Coca-cola Beverages Pvt. Limited, Atmakur Unit, Mangalagiri – 522 503 | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 01 | Kerry Ingredients India, Hope farm Junction, 99, ITPL Main Road,White fileld, Bengaluru 560066 | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 04 | Prakasam Milk Producer Company Limited, Ongole Dairy, Ongole- 523 002 | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 03 | Global Green Company Ltd., Unit: Venkatapur, Kohir (Md), Zaheerabad. Medak D(t)-502 321, | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 03 | Vijaya Dairy Products Limited, Kabela Road, Vijayawada.A.P | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 10 | Hindustan Coca-Cola Beverages Pvt Ltd., Ameenpur, Patancheru Mandal, Medak District | November, 2016 | March, 2017 |
| FTIT-401 | In-Plant Training | 01 | Heritage Foods Ltd. Uppal, Hyderabad | November, 2016 | March, 2017 |

**2017-18**

| Course No. | Name of the Programme | No. of Students | Location | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| FTIT-401 | In-Plant Training | 01 | Hindustan Coca-Cola Beverages Pvt. Ltd., Ameenpur, Patancheru, Medak , Telangana | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 07 | Pepsi Food Products Ltd., Pothireddy pally, Sangareddy Mandal. Medak, Telangana | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 03 | ITC Foods Ltd., No. 18, Banaswadi Main Road, Pulikeshi Nagar, Frazer Town. Bengaluru. | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 01 | ID Fresh Food (India) Pvt. Ltd., L5, The Hive, Bengaluru, Whitefield Main Road,Mahadevpura, Bengaluru 560048 | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 03 | Sri Vijaya Visakha Milk Producers Company Limited, (Visakha Dairy) Akkireddypalem, Opp.BHEL, Visakhapatnam | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 02 | Pepsico Pearl Bottling Pvt. Ltd,Pothina Mallayya Palem,Visakapatnam-530041 | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 06 | Royale Marine Impex Pvt. Ltd., 98 A, Tulasi nagar, Kavurivaripalem, Chirala Mandal, Prakasam Dist. A.P | 4.12.2017 | 4.4.2018 |

| | | | | | |
|---|---|---|---|---|---|
| FTIT-401 | In-Plant Training | 02 | The Hindustan Coca-Cola Beverages Pvt. Ltd.,Atmakur Unit, Atmakur Village, Mangalagiri,AP | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 03 | ICAR- Indian Institute of Millets Research, Himayat Sagar Road, Rajendra Nagar, Near Andhra Bank, Hyderabad | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 07 | Mother's Dairy, Hayathnagar, Hyderabad | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 02 | Dukes Products India Ltd., 7-4-112, Madhuban Colony Road, Kattedan, Hyderabad | 4.12.2017 | 4.4.2018 |
| FTIT-401 | In-Plant Training | 04 | Vijaya Dairy Products Ltd. Kabela Road, Vijayawada | 4.12.2017 | 4.4.2018 |

**2018-19**

| Course No. | Name of the Programme | No. of Students | Location | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| FTIT-401 | In-Plant Training | 4 | The Hindustan Coca-Cola Beverages Private Limited, Survey No.169, Patancheru Mandal-:502032 | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 1 | Gandour India Food Processing Pvt. Ltd., Sy.No.172&173, Phase IV, IDA,Cherlapally, Ranga Reddy | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 2 | Heritage Foods Ltd., Industrial area, C-10, Road No.7, compound, Uppal, Hyderabad -500 039 | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 2 | Kamala Consumer Care Pvt. Ltd, Kothur (Village & Mandal) Ranga Reddy district | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 2 | Disha Foods Pvt. Ltd, Kattedan, Ranga Reddy district | 7-1-2019 | 7-5-2019 |

| | | | | | |
|---|---|---|---|---|---|
| FTIT-401 | In-Plant Training | 4 | Kayempee Foods Pvt. Ltd.,Plot No.14, CIE (Exp),Gandhinagar, Balanagar, Hyderabad | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 2 | Madhu Foods, 24-16/9, IDA Colony,Back side Pioneer silk Mill, Uppal,Hyderabad | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 3 | Pepsico pvt. Ltd.,NH 65, Pothireddypally,Sangareddy, Medak | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 4 | Ruchi Foods, D.No.18-2-474/3, beside Falaknuma palace, Jamgammet, Falaknuma,Hyderabad | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 4 | Swastik Spices, Shadhnagar,Ellikatta Industrial Estate, Begum Bazar, Hyderabad | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 3 | Vimta Labs Limited, Life Sciences Facility, Plot No. 5, Alexandria Knowledge Park, Genome Valley, Shameerpet (M),Hyderabad, | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 5 | Foods and Inns Limited,Gollamadugu Village,Pallur Post, Vellore Road,Chittoor District – 517 132, Ph:9787611949 | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 2 | Kellogg India Pvt. Ltd.,Sri City, Satyaveedu Mandal, Chittoor | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 1 | Premium Ingredients, Sricity, Chittoor Dist. | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 2 | M/s Srini Food Park (Pvt.) Ltd., Bangarupalem (M),Chittoor dist. | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 4 | Sri VijayaVisakha Milk Producers Co. Ltd (Visakha Dairy), Nathayyapalem, Gajuwaka,Visakhapatnam | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 1 | G S K Horlicks Factory,NH -16, Industrial Estate, Dowaleswaram, Rajamahendravaram-533 101 | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 2 | 3F Industries Ltd., P.B.No.15, Tadepalligudem-534101 | 7-1-2019 | 7-5-2019 |

| | | | | | |
|---|---|---|---|---|---|
| FTIT-401 | In-Plant Training | 1 | Krishna Dist. Milk Producers Mutually Aided Co-op Union Ltd, Vijaywada-520 009 | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 4 | The Hindustan Coca-Cola Beverages Private Limited, Atmakur Unit, Atmakur Village, Mangalagiri Mandal,Guntur | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 1 | ITC, Guntur | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 4 | Royal Marine Impex Pvt. Ltd,98A, Tulasinagar Kavurivaripalem, Chirala (M), | 7-1-2019 | 7-5-2019 |
| FTIT-401 | In-Plant Training | 1 | Tirumala Milk Products Pvt.Ltd.,Vellalacheruvu Santhamagulur Mandal, Prakasam Dist. | 7-1-2019 | 7-5-2019 |

**2019-20**

| Course No. | Name of the Programme | No. of Students | Location | Duration | |
|---|---|---|---|---|---|
| | | | | From | To |
| FTIT-401 | In-Plant Training | 5 | SAB MILLER INDIA LTD Shivampet (V), Pulkal (M), Sangareddy District 502234 | 07.02.2020 | 07.05.2020 |
| FTIT-401 | In-Plant Training | 3 | ITC PVT Limited PO Box No. 317, G.T. Road, Guntur - 522 004 Andhra Pradesh India | 07.02.2020 | 07.05.2020 |
| FTIT-401 | In-Plant Training | 6 | Galla Foods pvt ltd Near Rangampet Cross, Puthalapattu Mandal, Chittoor District, Tenepalli, Andhra Pradesh 517124 | 07.02.2020 | 07.05.2020 |
| FTIT-401 | In-Plant Training | 4 | Goli Soda VIP Hills, Silicon Valley, Madhapur, Hyderabad, Telangana 500081 | 07.02.2020 | 07.05.2020 |
| FTIT-401 | In-Plant Training | 4 | Hindustan coco –cola beverages private limited Atmakur Unit, Atmakur Village, Mangalagiri Mandal Guntur | 07.02.2020 | 07.05.2020 |

| | | | | | |
|---|---|---|---|---|---|
| FTIT-401 | In-Plant Training | 2 | Sri Vijaya Visakha Milk Producers Co. Ltd (Visakha Dairy) Nathayyapalem, Opp Bhpv, Gajuwaka , Visakhapatnam | 07.02.2020 | 07.05.2020 |
| FTIT-401 | In-Plant Training | 2 | Unibic Foods India Private Limited #1134, Shreeram Nivas, 100 Feet Road, H.A.L. 2nd Stage, Indiranagar, Bengaluru, Karnataka 560038 | 07.02.2020 | 07.05.2020 |
| FTIT-401 | In-Plant Training | 1 | Hector Beverages Pvt Ltd Pragathi Nagar, Ramanthapur, Hyderabad, Telangana 500013 | 07.02.2020 | 07.05.2020 |
| FTIT-401 | In-Plant Training | 1 | Devi Seafoods Limited 3, 79/2, Singarayakonda, Andhra Pradesh 523101 | 07.02.2020 | 07.05.2020 |
| FTIT-401 | In-Plant Training | 1 | Pearl Distillery Limited Old Singarayakonda, Prakasam - 523 101, Andhra Pradesh, India | 07.02.2020 | 07.05.2020 |
| FTIT-401 | In-Plant Training | 5 | Foods and inns Limitesd Gollamadugu village Pullur post vellore road chittoor district -517132 | 21.01.2020 | 20.05.2020 |

6.5.1.4. **Anti Ragging Cell**:

Anti-ragging committees and squads are formed every year as per the guidelines and ensure that the campus is totally ragging free. Ragging duties are performed by team of faculty, students, parents and supporting staff. This process continues for every year particularly when the freshers join the college. Local police are involved in educating the perils of ragging and its impact on the campus culture and also proper conduct of the students.

| Sl. No. | Name of the Faculty | Designation | Anti-ragging Committee |
|---|---|---|---|
| 1 | Dr. Y. Radha | Associate Dean | Chairman |
| 2 | Mrs.K. Sowjanya | Assistant Professor | Convener |
| 3 | Dr. Ch.V.V. Satyanarayana | Professor | Member |
| 4 | Dr. M. Sardar Baig | Associate Professor | Member |
| 5 | Dr. Ch. Someswara Rao | Assistant Professor | Member |
| 6 | Dr. Vimala Beera | Assistant Professor | Member |
| 7 | Mrs. M. Kirthy Reddy | Assistant Professor | Member |
| 8 | Mrs. E. Gowthami | Assistant Professor | Member |
| 9 | Dr. S. Blessy Sagar | Assistant Professor | Member |
| 10 | Er. K. Rajesh | Assistant Professor | Member |





Anti-Ragging Awareness Program conducted on 29th September, 2016



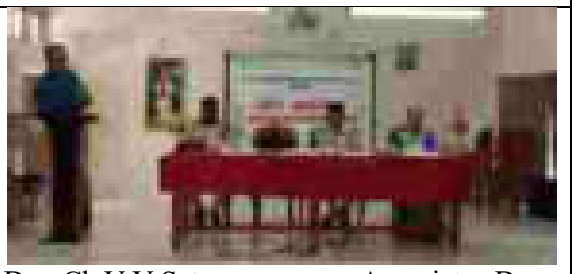
Anti-Ragging Awareness Program conducted on 16th of September, 2017



Anti Ragging Awareness Programme - 27th Sep, 2018



Sri A. Bhaskar, Circle Inspector of Police and Sri.P. Hajrathaya, Sub inspector of police, Bapatla interacting with students on 29.09.2019



Dr. Ch.V.V.Satyanarayana, Associate Dean interacting with students on 29.09.2019





Anti-Ragging Awareness Program conducted on 29th of September, 2019

6.5.1.5. **Biological waste disposal facility:**

Cleaning and waste disposal services in the college premises, laboratories and hostels required strict adherence of applicable policies and procedures. Building in-charge, laboratory personnel and hostel building secretaries ensure that the procedures be developed and everybody should follow and restrict to guidelines to avoid damage and hazards to personnel and students.

Waste disposal is managed by appropriate party which includes the following categories: Municipal waste, hazardous waste, biological waste and sharps. Each waste category must be handled and managed according to procedures established and work practices.

**Municipal Waste Disposal**:

All the existing four hostels have been provided with students secretaries who were voluntarily nominated by students themselves. The students secretaries, building service personnel will collect and empty municipal trash and dispose of the same by segregating into wet and solid waste and hand over to the municipality personnel who collects it twice in a week.

**Laboratory Waste Disposal:**

Any liquid from laboratory, chemical waste including stock containers with unused products, chemical residue in the empty containers shall not be placed with the municipal waste. All sharp objects be placed in an appropriate, puncture resistant container to prevent injuries. The containers are to be properly labeled and separated from municipal waste. It is the clear responsibility of all to ensure the safe and correct disposal of waste produced in the college laboratories.

**Bio hazards and Bio hazards waste disposal:**

Bio hazards (bacteria, fungi, virus and parasites etc) and Bio hazards waste (Cultures, stocks, sharps, PPE, or any other item contaminated with a biohazard or pathological waste) are disposed as followed:

All bio-hazardous liquid waste is properly decontaminated prior to disposal either by mixing with appropriate disinfectant with proper contact time, then pouring into the sanitary sewer drain. Solid waste is disposed by means of autoclaving or incinerator.

**Go-green initiatives:**

There is no significant volume of biological waste created at present but however a compost pit for safe disposal of biological waste is created at the college. The dimensions of compost pit are 5’ x 5' x 5'. In addition to this, the biological waste generated in the campus is also collected weekly by Bapatla Municipality. Since, significant amount of chemical waste is not generated in the campus, at present there is no chemical waste disposal unit in the campus.

6.5.1.6. **Institutional Ethics Committee for Experiment on Animals:** Not Applicable

6.5.1.7. **Committee for Prevention of Sexual Harassment of Women at Work Places:**

The University has established Women Protection Cell to deal the issues related to sexual harassment of women vide Memo. No. 3391/SAS/2016 dt. 29.04.2016 and 09.06.2016 of the Registrar, ANGRAU, Lam Guntur and issued guidelines for the establishment of local women protection cell at the college to deal with the issues pertaining to sexual harassment of women. The committee was constituted at the college level during the year 2016-17 with the following staff members.

| Sl.No. | Name of the Faculty | Designation | WPC Committee |
|---|---|---|---|
| 1 | Mrs. M. Kirthy Reddy | Assistant Professor | Chairperson |
| 2 | Dr. Vimala Beera | Assistant Professor | Member |
| 3 | Mrs. V. Bhramaramba | Senior Assistant | Member |

The cell existing at the College considers any grievances of women and resolve in confidential way. The College Women Cell works closely with the Women Cell at the University level headed by University officers. The committee assembles as and when the complaints are received from women employees or girl students. So far, no such complaints have been received in this college from the last five years. Hence, the meetings are not conducted.

**6.5.2. Faculty**

6.5.2.1. **Faculty Strength:**

| Sl. No. | Sanctioned Faculty | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | | 2019-20 | | Faculty Recommended by ICAR Committee |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SS | IP | SS | IP | SS | IP | SS | IP | SS | IP | |
| 1 | Professor | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 11 (Student Teacher ratio 20:1) |
| 2 | Associate Professor | 5 | 2 | 5 | 1 | 5 | - | 5 | 1 | 5 | 1 | |
| 3 | Assistant Professor | 9 | 7 + 2* | 9 | 4 + 4* | 9 | 8 + 2* | 9 | 6 + 2* | 9 | 7 + 2* | |
| | **Total** | **15** | **13** | **15** | **11** | **15** | **12** | **15** | **11** | **15** | **12** | |

SS – Sanctioned Strength IP – In-Place * Full-time Teaching Associates are engaged against sanctioned posts

6.5.2.2. **Faculty Profile (department wise):**

| Sl. No. | Name of the Department | Professor | | Associate Professor | | Assistant Professor | | Total | | Remarks | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SS | IP | SS | IP | SS | IP | SS | IP | TA | PT |
| 1. | Department of Food Processing Technology | 1 | 1 | 2 | 1 | 2 | 2 | 5 | 4 | 1 | - |
| 2. | Department of Food Process Engineering | - | - | 1 | 1 | 2 | 2 | 3 | 3 | - | - |
| 3. | Dept. of Food Safety and Quality Assurance | - | - | 1 | - | 2 | 1 | 3 | 1 | 1 | - |
| 4. | Department of Food Business Management | - | 1 | - | - | 1 | - | 1 | 1 | - | - |
| 5. | Dept. of Food Plant Operations (Student READY) | - | - | 1 | - | - | - | 1 | - | - | - |
| 6 | Basic Engineering | - | - | - | - | 1 | 1 | 1 | 1 | - | 1 |
| 7 | Basic Sciences and Humanities | - | - | - | - | 1 | - | 1 | - | - | 1 |
| 8 | Physical Education | | | | | | | | | | 1 |
| | **Total** | **1** | **2** | **5** | **2** | **9** | **6** | **15** | **10** | **2** | **3** |

SS – Sanctioned Strength, IP – In Position, TA – Teaching Associates, PT – Part-time Teachers.

Faculty profiles are also given in **Annexure I** and the profiles are adequate as per the accreditation requirement.

6.5.2.3. **Credentials of the Faculty:** Separate Annexure is enclosed **in Annexure – I**

**Department wise faculty qualifications**

| Sl.No. | Department | Ph.D | M.Tech/MSc. |
|---|---|---|---|
| 1 | Food Process Engineering | **2** | **1** |
| 2 | Food Processing Technology | **2** | **2** |
| 3 | Food Safety & Quality Assurance | **1** | **-** |
| 4 | Food Plant Operations | **-** | **1** |
| 5 | Food Business Management | **1** | **-** |
| Total | | **6** | **4** |

**Research Publications of the faculty members**

**International Papers**

**2020**

1. **Ch. Someswara Rao**, E. Mounika, B. Brahmini, R. Saxena, B. and Himabindu, K. 2020. Economic analysis in mechanized production of Khoa. Agricultural Engineering International: CIGR Journal 22 (2), 167-171.

**2019**

1. **Kirthy Reddy M**, BhanuTejaGoud P, Mighty Priya S, Ravindra Kumar K, Govardhan U V. 2019. Extraction and Evaluation of Tamarind kernel mucilage powder for hydrocolloidal properties. International Journal of Advanced Engineering Research and Science 5(11): 177-182.

2. **K. Rajesh**, **M. Kirthy Reddy**, Y. Anusha, P. Haritha, D. Narendraand S. Srujana. 2019. Design and fabrication of garlic peeler. International Journal of Advanced Engineering Research and Science 5(7):165-170.

**2018**

1. A. Siva Shankar, **Ch.V.V. Satyanarayana**, Sajid Alavi , L. Edukondalu, Michael Joseph & R. Lakshmipathy. 2018. Study on Cereal-Legume Based Complementary Foods for Infants. International Journal of Current Microbiology and Applied Sciences 7(8): 3310-3317.

2. B Prasanna, N. Sai, **Someswararao, Ch** and Manjula. 2018. Study on the selected engineering properties and sensory evaluation of tikur blended Chhana podo during infrared radiation assisted baking. International Journal of Processing & Post Harvest Technology 9 (1), 1-9.

3. Aruna Kumari Yadla, **M. S. Baig,** Vinay Promod Kumar, M. V. Keerthi and Y. Venkatesh. 2018. Development of Orange Squash Blended with Herbal Infusion. Int.J.Curr.Microbiol.App.Sci (2018) 7(11): 3665-3678.

4. **Rajesh.K, M.Kirthy Reddy**, Y Anusha, P. Haritha, D. Narendra, S. Srujana. 2018. Design and fabrication of garlic peeler. International Journal of Advanced Engineering Research and Science 2349-6498(P) 5, July, 2018

5. **Rajesh.K**, A. Hrudaya, K. Saiswetha, Y Prashanth, L,Rajubabu./ 2018. Design and fabrication of little guard cutter. International Journal of Advanced Engineering Research and Science 2349-6498(P) 5, August, 2018.

6. Tankesh Kumar, Smith DD, Sivala Kumar and **Vimala Beera**. 2018. Effect of Voltage Gradient and Temperature on Electrical Conductivity of Grape (Vitis vinifera L.) Juice during Ohmic Heating. International Journal of Current Microbiology and Applied Sciences. 7(05), 1914-1921.

**2017**

1. **C Someswararao**, S Mahato, L Namgial, MS Huda, SK Das. 2017. Performance analysis of a novel cyclone-type pneumatic rice polisher. Biosystems Engineering 153, 1-11.

2. R. Aruna, K. VinayPromod Kumar, and **K. Sowjanya.** 2017. Utilization of Banana in the Development of Nutrient Rich Banana Bar" in International Journal of Agricultural Science and Research (IJASR) , ISSN (P): 2250-0057; ISSN (E): 2321-0087 ,Vol. 7, Issue 5, 189-194.

3 .**K. Sowjanya** and A. Ashok Kumar. 2017. Microwave Applications in Food Industries. International Journal of Industrial Engineering & Technology (IJIET); ISSN (ONLINE): 2278-9456; ISSN (PRINT): 2277-4769; VOL - 7, ISSUE – 1.

4. **M. Kirthy Reddy**, H. Durga Rani, Ch. Naga Deepika, Suraj Samrawat, V. Akshara and **K. Rajesh**. 2017. Study on Physico chemical properties of Oil and Powder of Date Palm Seeds (Phoenix dactylifera). International Journal of Current Microbiolohy and Applied Sciences 6(12): 486-492.

5. Samreen, **CH.V.VSatyanarayana**, L.Edukondalu and M.Sandhya. 2017. Microbial and Sensory Quality Evaluation of Membrane ProcessedSugarcane juice. International journal of Current Microbiology and AppliedSciences 6(3) 601-608.

**2016**

1. **K.Sowjanya** and K.Manjula. 2016. Standardization and Development of Instant ragidosa mix with dehydrated green leafy vegetables. IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402,p- ISSN: 2319-2399.Volume 10, Issue 5 Ver. I (May. 2016), PP 04-08.

2. **K.Sowjanya** and ArunaKumari.Y. 2016. Fundamental Aspects of Biosensors" Int. Journal of Engineering Research and Application ,ISSN : 2248-9622, Vol. 6, Issue 6, ( Part -1), pp.01-04.

3. **K.Sowjanya** and K.VinayPramod Kumar. 2016. Hurdle Technology in Food Preservation. IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402, p- ISSN: 2319-2399.Volume 10, Issue 5 Ver. I, PP 01-04.

4. **Blessy Sagar Seelam1**, Kavitha. C2, Aparna Kuna3 and M. Vinaya Kumari. 2016. Effect of Processing on Antioxidant Activity of Acerola. Research Journal of Agricultural Sciences An International Journal 3(7) 2176-79pp.

**2015**

1. **Kirthy Reddy M** and Penchalaraju M. 2015. Pulsed Electric Field Technology in Food Processing Industry – A Review. International Journal of Science and Research 3:1144-1149.

2. **Kirthy Reddy M**. 2015. Study on the Effect of Irradiation on Storage Quality of Preserved Tomato Crush. International Journal of Science and Research 3:1526-1530.

3. **Blessy Sagar Seelam**, Kavitha. C Aparna Kunaand M. Vinaya Kumari. 2015. Effect of gamma radition on anti oxidant activity of acerola (Malpighia emarginata). Progressive Research, An International 7(2) 250-255pp.

4. M. Vinaya Kumari1, P. Kanaka Durga2, Aldas Janaiah3 M.R. Bhanu Sree4 and **Blessy Sagar Seelam**. 2015. Socio-economic profile of entrepreneurs who are trained under agriclinics and agri business centers scheme in Andhra Pradesh. Journal of Agricultural Sciences An International Journal. 10.

5. Vasanth Kumar G. D and **Rajesh.K**. 2015. Performance evaluation of Pongamia decorticator. International Journal of Agricultural Engineering 0976-7223 5, March, 2015, 66-69

**2014**

1. KS Prakash, **C Someswararao** and SK Das. 2014 . Pneumatic polishing of rice in a horizontal abrasive pipe: A new approach in rice polishing. Innovative Food Science & Emerging Technologies 22, 175-179.

2. C. Kavitha, Puspha Dhami, Aparna Kuna, **Blessy Sagar** and Ganesh V. Bhat. 2014. Study of Nutrient Composition And Value Addition of Wild Ber (Zizyphus Jujuba). Progressive Research, An International 7 (s) 113-116pp.

**3. S. Blessy Sagar**, C. Kavitha. Aparna Kuna. 2014. Antioxidant Properties of Acerola (Malpighia Emarginata Dc.) and Acerola Squash. International Journal of Science and Research (IJSR) Progressive Research. 10(iv).

**2013**

1. **C Someswararao**, PP Srivastav, H Das. 2013. Quality of black teas in Indian market. African Journal of Agricultural Research 8 (5), 491-494.

2. Aruna Kumari Yadla, **MS Baig**, Aishwarya, Alekhya, Nirmala, Rushma Teja, Venkatesh and Sandhya,M. 2013. Development of Watermelon rind incorporated Fruit butter. International journal of Engineering Research and Technology, Vol 2 Issue 10, October, 2013**.**

3. **Rajesh. K** and Sandeep T. N. 2013. Effect of packaging material on quality of egg with gravy (ready-to-eat) during storage. International Journal of Processing and Post Harvest Technology. 1744-7550 4, June 2013, 34-40.

4. **Vimala Beera**, RaviBabu mangam and Kiranmai Enthoti. 2013. Mango wine – Standardization and screening of cultivars using different strains of saccharomyces cerevisiae. Asian Journal of Multidisciplinary Studies 1(4):35-42.

**2012**

1. **C Someswararao** and PP Srivastav. 2012. A novel technology for production of instant tea powder from the existing black tea manufacturing process - Innovative Food Science & Emerging Technologies, 16, 143-147.

**National Journals**

**2020**

1. Samreen, **Ch. V.V. Satyanarayana**, L. Edukondalu. 2020. A study on Microfiltration and Ultrafiltration of Pomegranate juice. Indian Journal of Ecology. 47 Special issue (11):165-170.

2. Samreen, **Ch. V.V. Satyanarayana**, L. Edukondalu, Vimala Beera and V. Srinivasa Rao. 2020. Physicochemical Characteristics of Pomegranate and Pineapple Juice. Indian Journal of Ecology. 47 Special issue (11):60-63.

**2019**

1. G Anitha, AA Kumar, AS Rao, and **CS Rao**. 2019. Sensor based Planter-cum-Site Specific Fungicide Applicator. Agricultural Engineering Today 43 (1), 46-53.

2. **M Sardar Baig**, K Sivala, L Edukondalu, J Lakshmi and R Lakshmipathy.. 2019. Determination of Physical and Thermal Properties of Sorghum. The Andhra Agric. J 66 (1): 176-181, 2019.

3. Gopinath Mummaleti and **Vimala Beera**. 2019. Formulation and Sensory Evaluation of Flax Seed Chutney Powder. The Indian journal of nutrition and dietetics. 56(3):243

**2018**

1. A. Siva Shankar, **Ch.V.V. Satyanarayana**, L. Edukondalu, R. Lakshmipathy & Sajid Alav. 2018. Effect of Processing Variables on Soy-Millet Extrudate for Complementary Food. The Andhra Agricultural journal 65 (2), 436-440.

2. S Vishnu Vardhan, **Ch V V. Satyanarayana**, D BhaskaraRao, D D Smith and R. Lakshmipathy. 2018. Some Physico-Chemical Properties of Sweet Orange Fruit and Juice with Relevance to Membrane Processing. The Andhra Agric. Journal.65 (3): 650-657, 2018.

3. Vishnu Vardhan, S, **Satyanaryana, Ch.V.V**., Bhaskara Rao, D. Smith, D.D. and Lakshmipathy, R. 2018. Some Physico-Chemical Properties of Sweet Orange Fruit and Juice with Relevance to Membrane Processing. Andhra Agricultural Journal. 65(3):650- 657.

4. Vishnu Vardhan, S, **Satyanaryana, Ch.V.V**., Lakshmipathy, R. Smith, D.D. and Bhaskara Rao, D. 2018. Shelf-life studies of Sweet Orange Juice Concentrated by Reverse Osmosis. Andhra Agricultural Journal. 65(2):441-446.

5. C Lakshmi Durga, M., Srinivasa Rao,A., Ashok Kumar, A and **Someswara Rao**. 2018. Development and evaluation of mini-tractor drawn single row transplanter for vegetable crops. Research Journal of Agricultural Sciences 9 (3), 681-683.

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**2016**

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5. Sonia Morya1, **Blessy Seelam Sagar1**, Snehlata Tiwari1, Archibald Ed Denquah Amoah2 And Neha Singh. 2016. A New Generation Of Utilizing Dairy By –Products : Whey Based Beverages. Advances in life sciences5(19), 8105-8106, 2016.

**2015**

1. **Blessy Sagar Seelam**, Kavitha. C Aparna Kunaand M. Vinaya Kumari. 2015. Application of nanotechnology in food industry : A Review. Journal of Food Science and Technology. 14(1) 217-222pp.

2. Ramasri Ch.., Vijayalakshmi V., **Vimala B** and Anil Kumar Ch. 2015. Study on proximate & sensory analysis of ragi, greengram and foxtail health mix. Research journal of agricultural sciences. 6(2): 426-429.

**2014**

1. C. Kavitha & Aparna Kuna & T. Supraja & **S. Blessy Sagar** & T. V. N. Padmavathi & Neeraja Prabhakar. 2014. Effect of gamma irradiation on antioxidant properties of ber (Zizyphus mauritiana) fruit. Biochem. Cell. Arch. 14(2)311-314pp.

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3. **K.Sowjanya**, K.Manjula, and M.Penchalaraju. 2014. Microbiological Evaluation of Minimally Processed Fruits and Vegetables in PJTSAU JOURNAL (The J.ResPJTSAU 42(3)39-43.

**2013**

1. AA Kumar, B Haribabu, AS Rao, and **C Someswararao**. 2013. Ergonomical evaluation of manually operated weeder under wet land condition. Scientific Research and Essays 8 (6), 249-255.

2. **S. Blessy Sagar**, Aparna Kuna, T.V.N. Padmavathi, C. Kavitha,T. Supraja And Ch.V. Durga Ran. 2013. Estimation of physico-chemical properties, nutrient composition and antioxidant activity of acerola (Malpighia Emarginata Dc.). The Journal of Research ANGRAU. 41(4) 97-101pp.

3. Amrat Lal Basediya, D.V.K. Samuel and **Vimala Beera.** 2013. Evaporative cooling system for storage of fruits and vegetables - A review. Journal of Food Science and Technology – Mysore, 50(3).

**2012**

1. **Ch. Someswararao**, GP Kumar, and Ch.V.V Satyanarayana 2012. Performance Evaluation of Improved Cook Stoves. Nature Environment and Pollution Technology 11 (4), 621.

**Conferences Proceedings/Presentations**

**a) Full length Papers Published**

1. **Ch.V.V. Satyanarayana** and S. Vishnu Vardhan. 2014. Prospects of post harvest processing and value addition to enhance profitability of Indian Agriculture – A Review. Karnataka State Agricultural Engineers Conference, Raichur held at Raichur during 15- 16, February 2014, P: 38-44.

2. **Ch.V.V Satyanarayana** and A. Siva Shankar. 2016. Technologies and strategies for the development of food processing industry in Andhra Pradesh. Advances, Breakthroughs, Challenges and Development in Foodomics – 2016. 10-11th November, 2016. Pp-20.

3. Alavi S., Ruan S., Siva Shankar A., Joseph M., Lindshield B and **Satyanarayana Ch.V.V**. 2018. Use of grain sorghum in extruded products developed for gluten-free and food aid applications. Sorghum: State of the Art and future Perspectives Agronomy Monograph 58. Pp 01-16.

**b) Abstracts Published**

**2016**

1. **Vimala, B**., Aakaanksha, B., Mounika. J., Raghotham Reddy Ch. and FarjanaMd. 2016. Inactivation of anti-nutritional factor in flax seed (Linum usitassimum): A low cost method. New Approaches in agriculture, food and environmental sciences, Andhra Loyola College, Vijayawada. 123: 216.

**2017**

1. Gopinath.M., Arjun Singh., Raj Gopal Varma and **Vimala Beera**. 2016. Formulation and development of flax seed chutney powder. New Approaches in agriculture, food and environmental sciences, Andhra Loyola College, Vijayawada. OP-10: 238.2017

2. Siva Shankar A., **Satyanarayana Ch.V.V**., Edukondalu L and Lakshmipathy R. 2017. Optimization of process parameters to develop low cost protein rich extruded complementary food. Trends in farm mechanization and engineering interventions for sustainable agriculture 19-20th January 2017. PHT-352, Pp-60.

3. A. Siva Shankar, Joseph M., Lindshield B., **Satyanarayana Ch.V.V**., Alavi S. 2017. Processing of High Protein Cereal-Legume Based Fortified Blended Foods Using Extrusion. AACC 2017 International Annual Meeting 11th October, 2017. Pp O-905.

4. **Vimala, B**., Alice,P., Anusha, S., Renuka, D and Sirisha,N. 2017. Evaluation of physical, chemical and nutritional properties of flour obtained from tender palm shoots and its food applications. AP Science Congress-2017, Andhra University. LAS 049.286.

5. **Vimala, B.**, Si Prasanna, K., Jha SK and Ajay Babu, Y.2017. Lactose free gulabjamun mix from Jackfruit seed flour: Preparation, Evaluation of biochemical & Sensory quality. ICFoST, 2017 on Food and Nutrition Challenges: Role of Food Science and Technology. FVT-65: 160.

**Technical Bulletins**

| Sl.NO. | Year | Title of the Pamphlet/Bulletin | Author(s) |
|---|---|---|---|
| 1 | 2012 | Chirudhanyalu- Adhbhutha Ginjalu<br><br>Chirudhanyalatho Poshaka Viluvalatho Kudina Vividha Vantakaalu | J. Lakshmi and M. Sardar Baig |
| 2 | 2016 | A Directory of Food Processing Industries for Training and Placement of Food Technology Graduates | M. Sardar Baig and B.V.S. Prasad. |
| | | Chirudhanyalu- Poshaka Viluvalatho Kudina Sampradayika Vantakaalu | J. Lakshmi and M. Sardar Baig |
| | | Chirudhanyalatho 50 Vantakaalu | |

6.5.2.4. **Technical and Supporting Staff:**

| Sl. No. | Designation | Sanctioned strength | Strength in position | Vacancy | Departments | Remarks |
|---|---|---|---|---|---|---|
| **1** | Administrative Officer | 1 | 1 | Nil | Administrative Office | -- |
| **2** | Superintendant | 1 | 1 | Nil | | |
| **3** | Senior Assistant | 2 | 1 | 1 | | |
| **4** | JACT | 1 | 1 | Nil | | |
| **5** | Office subordinates | 5 | 5 | Nil | | |
| **6** | Mechanic Grade – I | 1 | 1 | Nil | Food Process Engineering | Outsourcing Persons are engaged in the vacancies |
| **7** | Mechanic Grade – II | 1 | 1 | Nil | Food Processing Technology | |
| **8** | Driver | 1 | 1 | Nil | Transport | |
| **9** | Electrician | 1 | 1 | Nil | Hostel and College Maintenance | |
| **10** | Plumber | 1 | 1 | Nil | | |
| **11** | Cleaner | 1 | 1 | Nil | Food Chemistry and Microbiology | |
| **12** | Food Processing Equipment Operator | 2 | 2 | Nil | Food Process Engineering and Food Processing Technology | |
| | **Total** | **18** | **17** | **1** | | |

**6.5.3**. **Learning resources:**

Learning resources such as study material and lab manuals as per the new revised curriculum are being prepared to comply with the V Dean's Committee recommendations.

| Sl. No. | Lab Manuals | Prepared By |
|---|---|---|
| 1. | Processing Technology of Dairy Products | Dr. M. Sardar Baig,<br>Dr. Ch.V.V. Satyanarayana,<br>Mrs. M. Kirthy Reddy<br>Mrs. R. Preethi Sagar |
| 2. | Processing Technology of Liquid Milk | Dr. M. Sardar Baig<br>Dr. Ch.V.V. Satyanarayana<br>Mrs. M. Kirthy Reddy<br>Mrs. K. Sowjanya<br>Mrs. R. Preethi Sagar |
| 3. | Industrial Microbiology | Dr. Vimala Beera |
| **Study Materials** | | |
| 1. | Heat and mass transfer in Food Processing | Dr. Ch.V.V.Satyanarayana |
| 2. | Processing Technology of Milk and Milk Products | Dr. Ch.V.V.Satyanarayana<br>and Er. K. Rajesh. |
| 3. | Post Harvest Engineering | Dr. M. Sardar Baig<br>Dr. Ch. Someswara Rao<br>Mrs. K. Sowjanya |
| 4. | Processing Technology of Cereals | Dr. M. Sardar Baig<br>Dr. Ch. Someswara Rao |

6.5.3.1 **College Library (digital):**

The issues and returns of library books to the staff and students are strictly on library card basis. Dr. NTR College of Food Science & Technology library is equipped with a good Xerox machine and 3 Computers. Internet facility is available for the students during the library timings.

**Budget Details**

| Sl. No. | Year | Budget allotted (Rs.) | Budget utilized (Rs.) | Balance Amount (Rs.) |
|---|---|---|---|---|
| 1 | **2015-16** | 2,26,000 | 2,24,770 | 1,230 |
| | ICAR | 50,000 | 50,000 | Nil |
| 2 | **2016-17** | 2,68,000 | 2,64,988 | 3,012 |
| 3 | **2017-18** | 2,68,000 | 2,59,752 | 8,248 |
| 4 | **2018-19** | 2,68,000 | 1,57,731 | 1,10,269 |
| 5 | **2019-20** | 2,68,000 | 2,62,000 | 6,000 |

**Library Strength**

| | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | Total |
|---|---|---|---|---|---|---|
| Total books | 800 | 124 | 398 | 139 | 1 | 8165 |
| Journals | 35 | 37 | 38 | 13 | 13 | |
| Magazines | 9 | 8 | 8 | 11 | 9 | |
| No. of computers | - | - | 1 | 1 | 1 | 3 |
| AC | Nil | - | Nil | 1 | - | 1 |
| Digital lib. of Books | Bar code software available in library, all books are entered and bar coding was completed | | | | | |
| ARIS | Nil | Nil | Nil | Nil | Nil | Nil |
| E- Journals | Nil | Nil | Nil | Nil | Nil | Nil |
| SC/ST Books | Nil | Nil | Nil | Nil | Nil | 20 |
| Staff | One JLA Professional, One Out sourcing (office subordinate) | | | | | |

**Location of library** **: College premises**

**Present staff position (In Place)** **: One Junior Library Assistant and one Assistant (Outsourcing)**

**Capacity** **: 50**

**Working Hours** **: 10.00 AM to 5.00 PM**

**Availability of Internet** **: Yes**

**Number of Books** **: 8165**

**Number of Computers** **: 03**

**Journals** **: 136**

**Number of SC/ST Books** **: 20**

6.5.3.2. **Laboratories, Instructional farm, Workshops, Dairy Plant, Veterinary Clinic, Hatchery, Ponds, etc.:**

The information regarding laboratories etc., in the college and also department-wise details is given below.

| Sl. No. | Particulars | No. of Units |
|---|---|---|
| 1 | Associate Dean's Office | 1 |
| 2 | Administrative Office | 1 |
| 3 | Class Rooms | 4 |
| 4 | Drawing Hall | 1 |
| 5 | Seminar Hall | 1 |
| 6 | Auditorium (Closed) | 1 |

| | | |
|---|---|---|
| 7 | Library Halls | 2 |
| 8 | Examination Halls | 2 |
| 9 | ELP Units | 5 |
| 10 | RO Water Plant | 1 |
| 11 | Health Clinic | 1 |
| 12 | Visitors Lounge | 1 |
| 13 | Boys Hostels | 2 |
| 14 | Girls Hostels | 2 |
| 15 | Computer Center | 1 |
| 16 | Open Auditorium | 1 |
| 17 | Shuttle Courts | 2 |
| 18 | Volley Ball Courts | 2 |
| 19 | Basketball Court | 1 |
| 20 | Ball Badminton Court | 1 |
| 21 | Gyms | 2 |
| 22 | Ice-Cream Plant | 1 |
| 23 | College Bus | 1 |
| 24 | College AV Van | 1 |
| 25 | College Car | 1 |
| 26 | Parking Sheds | 3 |
| 27 | Cycle Stands | 2 |
| 28 | Laboratories | 13 |
| 29 | Generators | 3 |
| 30 | Watch & Ward Room | 1 |
| 31 | Placement Cell | 1 |
| 32 | Academic Cell | 1 |

| **Department wise List of Laboratories in the College** | | | |
|---|---|---|---|
| **Sl.No.** | **Name of the Department** | **Laboratories Available** | **Space (Sq.ft.)** |
| 1 | Food Processing Technology | Food Processing Lab – I | 882 |
| | | Food Processing Lab –II (Fruits and Vegetables) | 882 |
| | | Cereals and Millets Processing Lab (RKVY) | 441 |
| | | Pulse Processing Unit | 240 |
| | | Sensory Evaluation Lab | 210 |
| 2 | Food Process Engineering | Food Engineering Lab | 882 |
| | | Canning Laboratory | 882 |
| | | Food Packaging and | 441 |

| | | | |
|---|---|---|---|
| | | Instrumentation Lab | |
| 3 | Food Safety & Quality Assurance | Food Microbiology Lab | 882 |
| | | Food Chemistry Lab | 882 |
| 4 | Basic Engineering | Engineering Drawing Hall | 882 |
| | | *Workshop | -- |
| | | *Fluid Mechanics Lab | -- |
| 5 | Food Plant Operations | ELP on Milk and Milk Products Processing | 441 |
| | | ELP on Cereals and Pulses Products Processing | 651 |
| | | ELP on Millets Processing | 651 |
| | | ELP on Spices Processing | 672 |
| | | ELP on Meat and Poultry Products Processing | 441 |

* Laboratory facilities available at Dr. NTR College of Agricultural Engineering, Bapatla are used for conducting practical classes.

**Practicals/Hands on Trainings Conducted in the Laboratories**

| Sl. No. | Name of Laboratory | Practicals/Hands on Trainings Conducted |
|---|---|---|
| 1. | Food Processing Lab – I | • Preparation of bakery, confectionery products<br>• Processing of milk, meat, fish, marine and poultry products.<br>• Preservation of foods |
| | Food Processing Lab – II | • Processing of fruits and vegetables<br>• Processing of cereals, legumes and oil seeds<br>• Processing of beverages |
| | Cereals and Millets Processing Lab (RKVY) | • Destoning, cleaning, flaking and packaging of cereals and millets. |
| | Pulse Processing Unit | • Pulse Milling |
| | Sensory Evaluation Lab | • Sensory evaluation of food products |
| | Food Engineering Lab | • Determination of physical properties of food<br>• Drying of fruits and vegetables<br>• Spray drying of liquid foods<br>• Membrane separation<br>• Soy Processing<br>• Sieve Analysis<br>• Pasteurization |
| | Canning Laboratory | • Canning of food products |
| | Food Packaging and | • Testing of packaging materials |

| | | |
|---|---|---|
| | Instrumentation Lab | |
| | Food Microbiology Lab | • Determination of microbial properties of food |
| | Food Chemistry Lab | • Proximate analysis of food |
| | Engineering Drawing Hall | • Engineering drawing practicals. |
| | Workshop | • Practicals on wood work, sheet work, welding and operating lathe machine. |
| | Fluid Mechanics Lab | • Practicals on pressure measurements and discharge measurements. |
| | ELP on Milk and Milk Products Processing | • Processing of Milk and Milk Products (Koha, Kulfi, Ice-Cream, Paneer etc. ) |
| | ELP on Cereals and Pulses Products Processing | • Processing of Cereals and Pulses (Instant flour mixes, ravva laddu, pulse laddu etc.) |
| | ELP on Millets Processing | • Processing of millets (Instant flour mixes, malts, multi millet laddu etc.) |
| | ELP on Spices Processing | • Processing of spices (Milling of chilli, turmeric and other spices) |
| | ELP on Meat and Poultry Products Processing | • Processing of meat and poultry products (Chicken pickle, prawn pickle etc.) |

| Sl. No. | Name of the Department | Laboratories Available | Major Equipment |
|---|---|---|---|
| **Department of Food Processing Technology** | | | |
| 1 | Food Processing Lab – I | 1 | 21. Heavy Duty Mixers<br>22. Microwave Ovens<br>23. Solar Dryer (8 Kg)<br>24. Food Dehydrator<br>25. Snack Maker<br>26. Deep Freezer<br>27. Refrigerator<br>28. Cream Separator<br>29. Oil Expeller<br>30. Electronic Milkotester<br>31. Chilli Blower M/C<br>32. Paddy Sheller<br>33. Rice Polisher<br>34. Grain Crusher<br>35. Grain Moisture Tester<br>36. Electronic Balance<br>37. Gas Stoves<br>38. Egg Beaters<br>39. Hand Salinity meter<br>40. Pasta Maker |
| 2 | Food Processing Lab –II | 1 | 21. Candy Making |

| | | | |
|---|---|---|---|
| | (Fruits and Vegetables) | | Machine<br>22. Juice Extractor<br>23. Deep Fryer<br>24. Oxy Fryer<br>25. Solar Dryer (50 Kg)<br>26. Hydraulic Juice Press<br>27. Vertical Retort<br>28. Crown corking machine<br>29. Jumbo Refrigerator<br>30. Mini Oil Expeller<br>31. Gas Stoves<br>32. Electronic Balance<br>33. Pulper Machine<br>34. Sugarcane Juice Crusher<br>35. Vegetable Cutting M/c & Cutter set<br>36. Centrifugal Juicer<br>37. Hand Refractometer<br>38. Digital Refractometer<br>39. Infrared Thermometers<br>40. pH Non-Glass SS meter |
| 3 | Cereals and Millets Processing Lab (RKVY) | 1 | 13. Millet roaster<br>14. Flaking Machine<br>15. Hammer Mills<br>16. Destoner<br>17. Sifter<br>18. Electronic Balance<br>19. Ravva Making Machine<br>20. Pulverizer<br>21. Noodles Machine<br>22. Rice Flaking M/C<br>23. Popcorn Making Machine<br>24. Foot operated sealing machine |
| 4 | Pulse Processing Unit | 1 | 4. Dhal Mill<br>5. Digital Moisture Meter<br>6. Dhal Grader |
| 5 | Sensory Evaluation Lab | 1 | Cabins with accessories |
| **Department of Food Process Engineering** | | | |
| 1 | Food Engineering Lab | 1 | 12. Skid Mounted Process |

| | | | |
|---|---|---|---|
| | | | Module<br>13. Form Fill Seal Unit<br>14. Hot and Cold water facility<br>15. Spray Dryer<br>16. Cross flow Membrane Plant<br>17. Soy Processing Unit<br>18. Fluidized bed dryer<br>19. Electronic Balance<br>20. Lassi machine<br>21. Seed/Grain Analyzer<br>22. Coconut Dewatering Machine |
| 2 | Canning Laboratory | 1 | 11. Canning Line<br>12. Steam Boiler<br>13. Environmental Chamber<br>14. Double seaming m/c<br>15. Can Reformer<br>16. Hand Flanger<br>17. Exhaust Box<br>18. Lid Embossing m/c<br>19. Steam Jacketted Kettle<br>20. Hot Air Dryer |
| 3 | Food Packaging and Instrumentation Lab | 1 | 11. Packaging Strength Tester<br>12. Vacuum Packaging Machine<br>13. COB tester<br>14. Bursting Strength Tester<br>15. Seal Strength Tester<br>16. Precision Balance<br>17. Hygrometer<br>18. Thickness gauge<br>19. Psling Psychrometer<br>20. RH and Temperature Data Logger. |

| | | | |
|---|---|---|---|
| 4 | ICT Lab | 1 | 1. MATLAB<br>2. ANSYS Fluent<br>3. LABVIEW |
| **Department of Food Safety and Quality Assurance** | | | |
| 1 | Food Microbiology Lab | 1 | 11. Laminar Flow Chamber<br>12. Automatic Microprocessor based distillation system<br>13. Thin layer chromatography kit & accessories<br>14. Water analyzer<br>15. Electrophoresis unit<br>16. Fermenter<br>17. Microscopes<br>18. Autoclave<br>19. Electronic Balance<br>20. Digital Refractometer |
| 2 | Food Chemistry Lab | 1 | 23. Kjeldahl Equipment<br>24. Digital Spectrophotometer<br>25. Digital photoelectric colorimeter<br>26. Digital pH meter<br>27. Soxhlet apparatus<br>28. Digital photoelectric colorimeter<br>29. Revolutionary table top high speed cooling centrifuge<br>30. Screw gauge - Digital<br>31. Vernier caliper (Digital)<br>32. Salinity meter<br>33. Rotary vacuum flash evaporator<br>34. Rotary vacuum pump<br>35. Water bath<br>36. Electronic weighing scales<br>37. UV Visible spectrophotometer |

| | | | |
|---|---|---|---|
| | | | 38. Digital Refractometer<br>39. Muffle furnace<br>40. Vortex mixer<br>41. Microprocessor based pH system<br>42. Magnetic Stirrer<br>43. Bomb Calorimeter<br>44. Distillation Unit |
| **Department of Basic Engineering** | | | |
| 1 | Engineering Drawing Hall | 1 | 1. Drawing Tables and Stools<br>2. LCD Projector |
| 2 | Workshop | 1<br>(Dr. NTR CAE, Bapatla) | 1. Lathe machine<br>2. Drilling machine<br>3. Welding machine<br>4. Shaping machine |
| 3 | Fluid Mechanics Lab | 1<br>(Dr. NTR CAE, Bapatla) | 1. Weirs<br>2. Notches<br>3. Orifices<br>4. Flumes<br>5. U tube manometers |
| 4 | Electrical and Electronics Engineering Lab | 1<br>(Dr. NTR CAE, Bapatla) | 1. Analog Circuits Kit<br>2. Digital Circuits Kit<br>3. Motors an Circuits Test Rig |
| **Department of Food Plant Operations** | | | |
| **ELP Units** | | | |
| 1 | ELP on Milk and Milk Products Processing | 1 | 8. Khoa Making Machine<br>9. Milk Pasteurizer<br>10. Homogenizer<br>11. Hardening Unit<br>12. Convective Microwave Dryer<br>13. Deep Freezers<br>14. Ice-Cream Plant |
| 2 | ELP on Cereals and Pulses Products Processing | 1 | 8. Destoner<br>9. Hammer Mills<br>10. Sifters<br>11. Ovens<br>12. Flaking Machine<br>13. Roasters |
| 3 | ELP on Millets Processing | 1 | |

| | | | |
|---|---|---|---|
| | | | 14. Sealing Machine |
| 4 | ELP on Spices Processing | 1 | 4. Heavy Duty Grinders<br>5. Hammer Mills<br>6. Chilli Blower Machine |
| 5 | ELP on Meat and Poultry Products Processing | 1 | 5. Meat Mincer<br>6. Defeathering Unit<br>7. Fryers<br>8. Ovens |

A new ELP building with NABARD grants to the tune of Rs. 4 crores was constructed. The new ELP building has two ELP halls, two examination halls, one conference hall, two library halls and two staff rooms. The total floor area of the new ELP building is 1330 Sq. meters.

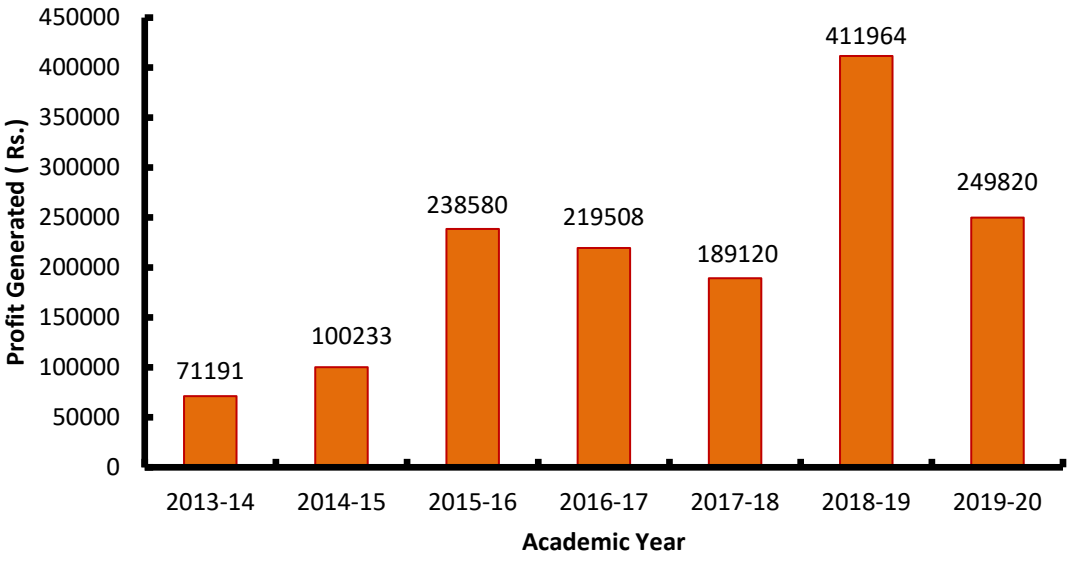
Students learning infrastructural facilities in the campus have been improved. Separate building for Experiential Learning Programme (ELP) which includes ELP Halls, library and examination halls was constructed. In addition to the existing two hostels for Boys and Girls, two new hostels one each for both Boys and Girls were constructed and occupied by the students. Sports facilities have been improved and separate courts for girls were developed for playing volley ball, ball badminton, Tennikoit and Basket ball.

6.5.3.3. **Student READY/ In-Plant Training / Internship/ Experiential Learning Programmes:**

Various experiential learning modules are operated at the college and profits are generated by the modules and shared as per the guidelines of the ELP manual. The net profits are shared in the ratio 75:10:15 to students, college and faculty members. The following are the financial details and performance of the various ELP modules.

| Sl. No | Name of the Module | No of students | Gross Income (Rs.) | Net Profit (Rs.) | Profit shared/ per student(Rs.) |
|---|---|---|---|---|---|
| **2013-14** | | | | | |
| 1. | Cereal processing | 16 | 30730 | 10730 | 336 |
| 2. | Spice processing | 17 | 48390 | 28390 | 835 |
| 3. | Milk and Milk Products | 16 | 35138 | 15158 | 474 |
| 4. | Fruits and Vegetable products | 16 | 36913 | 16913 | 529 |
| **2014-15** | | | | | |
| 1. | Cereal processing | 12 | 56,672 | 16,672 | 694 |
| 2. | Spice processing | 12 | 72,675 | 32,675 | 1,361 |

| | | | | | |
|---|---|---|---|---|---|
| 3. | Milk & Milk products | 12 | 63,935 | 23,935 | 997 |
| 4. | Fruits and Vegetable products | 11 | 66,951 | 26,951 | 1,225 |
| | **Total** | **47** | **2,60,233** | **1,00,233** | |
| **2015-16** | | | | | |
| 1. | Cereal processing | 17 | 81,420 | 41,420 | 1,219 |
| 2. | Spice processing | 16 | 1,34,168 | 94,168 | 2,943 |
| 3. | Milk & Milk products | 17 | 1,06,457 | 66,457 | 1,955 |
| 4. | Fruits and Vegetable products | 17 | 76,535 | 36,535 | 1,075 |
| | **Total** | **67** | **3,98,580** | **2,38,580** | |
| **2016-17** | | | | | |
| 1. | Cereal processing | 11 | 100,010 | 60,010 | 2,728 |
| 2. | Spice processing | 10 | 93,748 | 53,748 | 2,688 |
| 3. | Milk & Milk products | 11 | 109,247 | 69,247 | 3,148 |
| 4. | Fruits and Vegetable products | 10 | 76,503 | 36,503 | 1,826 |
| | **Total** | **42** | **3,79,508** | **2,19,508** | |
| **2017-18** | | | | | |
| 1. | Cereal processing | 14 | 99,887 | 59,887 | 2,139 |
| 2. | Spice processing | 15 | 94,898 | 54,898 | 1,830 |
| 3. | Milk & Milk products | 15 | 1,14,335 | 74,335 | 2,478 |
| | **Total** | **44** | **3,09,120** | **1,89,120** | |
| **2018-19** | | | | | |
| 1. | Cereal processing | 11 | 1,02,902 | 62,902 | 2,859 |
| 2. | Spice processing | 11 | 1,29,494 | 89,494 | 4,068 |
| 3. | Milk & Milk products | 11 | 1,73,525 | 1,33,525 | 6,070 |
| 4. | Fruits and Vegetable products | 11 | 95,227 | 55,227 | 2,510 |
| 5. | Millets processing | 10 | 1,10,361 | 70,361 | 3,518 |
| | **Total** | **54** | **6,20,669** | **4,11,964** | |
| **2019-20** | | | | | |
| 1 | Cereal Processing | 13 | 54,461 | 44,461 | 2,565 |
| 2 | Spice and Spice Products | 8 | 81,844 | 61,844 | 3,865 |
| 3 | Milk & Milk Products Processing | 12 | 94,105 | 84,105 | 5,256 |
| 4 | Egg, Meat and Poultry Products | 12 | 42,406 | 32,406 | 2,025 |
| 5 | Millets Processing | 13 | 37,004 | 27,004 | 1,558 |
| | | **58** | **3,09,820** | **2,49,820** | |




**Year Wise Profit Generated From ELP Modules**

6.5.3.4.**Curricula Delivery Through IT (smart class rooms/interactive board etc.):**

All class rooms, drawing hall, computer lab and auditorium are equipped with projector screen and LCD projector for power point presentations and white boards. Seminar hall is equipped with interactive smart board along with short throw projector. Recently licensed software of ANSYS FLUENT and MATLAB were procured and computers are made available for practical class under a III year course: ICT Applications in Food Industry.

6.5.4. **Student Development:** Student Development at the College directs its educational efforts at fostering the intellect and character of students by integrating in-class and co-curricular experiences. To accomplish this, the College provides a wide range of educational experiences through programs and activities that complement and support the academic experience in the classroom.

**Guest Lectures and Students Professional Training**

**2015-16**

| S. No. | Name of the Faculty | Topic | Date |
|---|---|---|---|
| 1 | Er M.S Baig, Asst. Prof. | Oil Seed Processing | 22-2-2016 |
| 2 | Er M.S Baig Asst. Prof. | Soya milk Processing | 23-2-2016 |

**2017-18**

| S. No. | Name of the Faculty | Topic | Date |
|---|---|---|---|
| 1 | Dr D.Govardhana Rao, Scientist(Retd)& Head, CFTRI, | Food Engg. Operations in Food Processing | 16-10-2017 |

| | | | |
|---|---|---|---|
| | Hyderabad | | |

**2018-19**

| S. No. | Name of the Faculty | Topic | Date |
|---|---|---|---|
| 1 | Dr. J. Venkata Lakshmi<br>Associate Professor<br>Acharya Nagarjuna University | Applications of Lab VIEW | 23.11.2018 |
| 2 | Dr. GVSSKR. Naganjaneyulu<br>Assistant Professor<br>RGUKT<br>IIIT, Basar | Applications of Signal Processing in Food Industry | 27.02.2019 |
| 3 | Dr. A. Rajkumar<br>Assistant Professor<br>RGUKT<br>IIIT, Basar | Applications of Internet of Things in Food Industry | 28.02.2019 |

**2019-20**

| S. No. | Name of the Faculty | Topic | Date |
|---|---|---|---|
| 1 | Dr. Kadiri Mohan Garu | Agri Innovations and Enterpreneurship Development cell" under "ANGRAU Poshan Incubtaor" | 29.08.2019 |
| 2 | Dr. Sasikanth<br>CII (Confederation of Indian Industry) | Food Sanitation and Hygiene Practices | 22.02.2020 |

6.5.4.1. **Student Intake and Attrition:**

| Name of the Degree Programme | Actual student admitted in last five years | | | | | Attrition (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **B.Tech. (FoodTechnology)** | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| | 56 | 51 | 48 | 56 | 65 | 1.8 | 2.2 | 1.1 | 2.2 | 0.0 |

6.5.4.2. **Average Number of Students in Theory and Practical Classes:**

| Sl.No. | Name of the Degree Programme | Batch of Students in Theory Class | Batch of students in Practical Class |
|---|---|---|---|
| 1 | B.Tech. ( Food Technology) | 60-66 | 30-35 |

6.5.4.3. **Admission Process:**

The admission into B. Tech (Food Technology) degree programme is based on the merit in the Engineering, Agriculture, Medical Common Entrance Test (EAMCET) conducted by the AP State Council of Higher Education in April/May every year for Intermediate (10+2) qualified students. This degree program is meant for both BiPC and MPC students at the ratio of 50:50. A total of 66 seats are available including EWS quota of 10% (60 + 6). Seats allotted to MPC students are filled by the Convener, EAMCET through online web counseling for admission into B.Tech (Food Technology). Seats meant for BiPC stream students are filled through open counseling by the University. Forty per cent of the seats are reserved for the wards of agriculturists (Farmers) as a general policy implemented by the Government of Andhra Pradesh for all under graduate programmes in agriculture and allied sector. To be eligible under this quota, the father or mother of the candidate must have at least one acre of land on their names and the candidates should have studied in rural (non-municipal) areas for at least four years in school. A separate counseling process is conducted by ANGRAU for this agriculturists quota seats duly considering and verifying the land ownership and rural study certificates. This is to encourage the wards of farmers to take up higher agricultural education. In addition, 15 percent seats are reserved for the candidates from other states through the counseling done by ICAR on the basis of ICAR UG examination.

During registration of every semester, students have to pay prescribed fee through college office, which will be remitted to college bank account at the beginning of each semester. All the students have to submit no dues forms signed by all the lab in-charges, library in-charge and Wardens and processed through their respective advisors for semester registration. Academic schedule of starting of registration, date of commencement of instructions and date of last instruction and preparation holidays and start date and end date of semester final exams are communicated from Controller of Examinations, ANGRAU, Lam, Guntur at the beginning of the every semester.

Mid exams are scheduled after 50$^{th}$ day of start of instruction every semester.

Final practical examinations are conducted before the commencement of Final Theory Examinations.

The following is the Academic calendar 2019-2020 finalized and informed to students in the beginning of the Academic Year 2019-2020 to enable the students to plan and work their academic programmes very effectively and successfully.

## Academic Calendar for 2019-20

| | I Semester | | | | II Semester | | | |
|---|---|---|---|---|---|---|---|---|
| | I Year | II Year | III Year | IV Year | I Year | II Year | III Year | IV Year |
| Registration of Courses | 11.09.2019 | 05.08.2019 | 22.07.2019 | 29.07.2018 | 20.01.2020 | 17.01.2020 | 06.01.2020 | 17.01.2020, 18.01.2020 & 20.01.2020 |
| Commencement of Instruction | 12.09.2019 | 06.08.2019 | 23.07.2019 | 30.07.2019 | 21.01.2020 | 18.01.2020 | 07.01.2020 | 21.01.2020 |
| Last Date of Registration | -- | 20.08.2019 | 02.08.2019 | 09.08.2019 | 31.01.2020 | 29.01.2020 | 22.01.2020 | -- |
| Summer Break | -- | -- | -- | -- | 17.05.2020 to 14.06.2020 | 17.05.2020 to 03.06.2020 | 17.05.2020 to 31.05.2020 | -- |
| Last Date of Instruction | 30.12.2019 | 24.12.2019 | 06.12.2019 | 16.12.2019 | 29.06.2020 | 19.06.2020 | 06.06.2020 | 19.05.2020 |
| Preparation Holidays | 31.12.2020 & 01.01.2020 | 25.12.2019 & 26.12.2019 | 07.12.2019 & 18.12.2019 | 07.12.2019 & 18.12.2019 | 30.06.2020 to 01.07.2020 | 20.06.2020 to 21.06.2020 | 07.06.2020 to 08.06.2020 | 20.05.2020 & 21.05.2020 |
| Semester Final Theory Examinations | 02.01.2020 to 10.01.2020 | 27.12.2019 to 06.01.2020 | 09.12.2019 to 18.12.2019 | 19.12.2019 to 23.12.2019 | 02.07.2020 to 13.07.2020 | 22.06.2020 to 01.07.2020 | 09.06.2020 to 19.06.2020 | 22.05.2020 to 29.05.2020 |
| Semester Break | 11.01.2020 to 19.01.2020 | 07.01.2020 to 16.01.2020 | 19.12.2019 to 05.01.2020 | 24.12.2019 to 16.01.2020 | 14.07.2020 to 26.07.2020 | 02.07.2020 to 12.07.2020 | 20.06.2020 to 28.06.2020 | -- |
| Commencement of next Semester | 20.01.2020 | 17.01.2020 | 06.01.2020 | 17.01.2020 | 27.07.2020 | 13.07.2020 | 29.06.2020 | -- |

6.5.4.4. **Conduct of Practical and Hands on Training:**

**Practical Classes**

- Practical classes in all the courses of B. Tech (Food Technology) are conducted as per the courses outlines by dividing the students into two batches each less than thirty five students
- Each Batch is again sub divided into groups of 3-4 members
- The readings / data collected in the practical class is recorded in the observation book during practical class
- The detailed procedure of the practical along with readings/data is written the practical record







**Students Attending Practical Classes**

**Experiential Learning Programme (ELP)**

- Students will undergo semester long Experiential Learning Programme (ELP) in the seventh semester
- ELP inculcates Entrepreneurial skills in the students
- Students are divided into batches for hands on training during ELP on different modules viz. Milk and milk products, Egg, meat and poultry products, Cereal and pulse products processing, Millets and millet products processing, Spices and spice product processing etc.
- Working capital in form of seed amount of Rs. 20000/- will be provided to each of the module and the students are trained in marketing, production and record keeping activities of the module under the supervision of the module directors
- The profits earned in the module are shared among the students (75%), Directors (15%) and the College (10%)

**In-Plant Training**

- Final year B. Tech (Food Technology) students in the last semester will be sent for a semester long In-Plant training in various Food Processing Industries such as ITC, Heritage Foods, Swastik Spices, Pepsico, Coca cola beverages etc.

6.5.4.5. **Examination and Evaluation Process:**

- B. Tech (Food Technology) students are evaluated based on the performance of students in Mid Semester, Final Theory and Final Practical examinations
- Mid semester and Final Practical examination papers are evaluated internally by the concerned course In-Charge, whereas final theory examination are evaluated by the staff nominated by the university during spot evaluation
- For each practical credit hour 25 marks are awarded for class work which includes marks for submission of records, assignments, attendance etc.
- Each credit of the course carries 50 marks. final marks including mid semester marks, final theory marks, class work marks and final practical marks are reduced to 100
- The award of marks is done based on Grade Point Average (GPA) for each course in the scale 1-10.
- Students who secure less than 50 % in final theory examination or final practical examination and /or secured < 5 GPA in that course shall be treated fail in that particular course

- Performance of students in credit seminar is evaluated out by the committee nominated by the Associate Dean and research project by external expert from other constituent Colleges nominated by Dean of the Faculty.
- Evaluation of experiential Learning Programme (ELP) is done both internally (50%) and externally (50%) by the committee constituted by the Dean of the Faculty
- Evaluation of In-Plant Training is carried out by the Industry (50%) and the committee nominated by the Associate Dean (50%).



**Faculty Evaluating Student Credit Seminar**

**Award of Grade Points to the Students**

| Category | OGPA |
|---|---|
| Pass | 5.00 > 5.99 |
| Second Class | 6.00 > 6.99 |
| First Class | 7.00 > 7.99 |
| First Class with Distinction | 8.00 > 8.99 |

6.5.4.6. **NCC/NSS/RVC Units:**

The NSS programme is an integral part of course curriculum of B. Tech (Food Technology). The NSS programme comprises of regular Activities (240 hours) and Annual Special Camp (120 hours). The regular activities are being conducted on campus and off-campus throughout the year. The Annual Special Camps are being conducted in a rural village for 7 days and the volunteers have to stay in the village during the special camp. All the NSS Volunteers who have served NSS for 2 years and have performed 240 hours of work under NSS are being

issued a certificate from the university with the signature of the Vice-Chancellor, the Programme Coordinator (Dean of Student Affairs) and the Associate Dean of the College.

The following days are celebrated by NSS unit every year

1. NSS Day
2. International Day of Yoga
3. National Unity Day
4. Constitution Day
5. Awareness programmes on Blood donation
6. Swachhta Hi Seva (SHS) campaign programme
7. Rallies on Swatchhta pakhwada programme
8. Yoga for good health and Sankalp Diwas
9. A marathon (2 km) on Antiragging, Traffic rules for safety and Eve teasing
10. Blood donation camps
11. Medical and veterinary camps Under NSS programme
12. International Womens' Day
13. World Food Day
14. Communal Harmony Day
15. Agricos Green Programme (AGP) is a unique progarmme that is implemented at Dr. NTR CFST, Bapatla. This programme is based on 'one student - One tree' concept i.e. each first year B.Tech (Food Technology) student plants one sapling and the student has to take care of the tree till the student completes IV year B. Tech (Food Technology). The services of NSS volunteers are being utilized for smooth conduct of voting process on the day of poll during the general elections in Andhra Pradesh.

**NSS Reports 2015 -16**

Regular activities of NSS are conducted, Viz., Ambedkar Birthday & Anniversary, Clean and Green Program, NSS orientation classes, Mahatma Gandhi Birthday, National consumer day, Earth day and Acharya N.G. Ranga Birthday. NSS special camp was organized at Dundivaripalem, Guntur District from 25.02.2016 to 02.03.2016.

**NSS Reports 2016 -17**

Regular activities of NSS are conducted, Viz., Ambedkar Birthday & Anniversary, Clean and Green Program, NSS orientation classes, Mahatma Gandhi Birthday, and Acharya N.G. Ranga Birthday. NSS Special camp was organized at Bidarudibba, Guntur District from 15.02.2017 to 21.02.2017.

**NSS Reports 2017 -18**

Regular NSS activities including orientation classes, Clean and Green programmes and days of national importance like Ambedkar Birthday and Anniversary, Mahatma Gandhi Birthday , Acharya N.G. Ranga Birthday, NSS day, National Blood donation

day, Republic day, Independence day were celebrated. NSS Special camp was organized at Pinniboinavari Palem, Guntur District from 20.02.2018 to 26.02.2018.

**NSS Reports 2018 -19**

Regular NSS activities including orientation classes, Clean and Green programmes and days of national importance like Ambedkar Birthday and Anniversary, Mahatma Gandhi Birthday , Acharya N.G. Ranga Birthday, NSS day, National Blood donation day, Republic day, Independence day were celebrated. NSS Special camp was organized at Gavinivaripalem and A.K.Nagar, Prakasam District from 21.02.2019 to 27.02.2019.

**NSS Reports 2019-20**

Regular NSS activities including orientation classes, Clean and Green programmes and days of national importance like Ambedkar Birthday and Anniversary, Mahatma Gandhi Birthday , Acharya N.G. Ranga Birthday, NSS day, National Blood donation day, Republic day, Independence day were celebrated. NSS Special camp was organized at Parali Village, Karlapalem Mandal, Guntur District from 26.02.2020 to 03.03.2020.

## Year wise NSS & College Events

**2015-16**

| S. No. | Event | Date | Venue |
|---|---|---|---|
| 1 | Independence Day | 15.08.2015 | College of Food Science and Technology |
| 2 | Teacher's Day | 04-09-2016 | College of Food Science and Technology |
| 3 | Fresher's Day | 19-9-2016 | College of Food Science and Technology |
| 4 | NSS Day | 24-09-2015 | College of Food Science and Technology |
| 5 | Blood donation camp | 8-10-2015 | College of Food Science and Technology |
| 6 | World Food Day | 15-10-2016 and 16-10-2016 | College of Food Science and Technology |
| 7 | Acharya NG Ranga Jayanthi | 07-11-2016 | College of Food Science and Technology |
| 8 | Awareness on Global warming | 28-11-2015 | College of Food Science and Technology |
| 9 | Ambedkar Death Anniversary | 6-12-2015 | College of Food Science and |

| | | | |
|---|---|---|---|
| | | | Technology |
| **10** | National consumer day | 23-12-2015 | College of Food Science and Technology |
| **11** | College and Hostel day celebrations | 11.03.2016 | College of Food Science and Technology |
| **12** | Fare well day | 19-03-2016 | College of Food Science and Technology |
| **13** | Ambedkar jayanthi | 14-04-2016 | College of Food Science and Technology |
| **14** | Earth day | 22-04-2016 | College of Food Science and Technology |

**2016-17**

| Sl. No. | Event | Date | Venue |
|---|---|---|---|
| **1.** | Vanam Manam Programme | 07-07-2016 | College of Food Science and Technology, Bapatla |
| **2.** | International Yoga day | 21-07-2016 | College of Food Science and Technology, Bapatla |
| **3.** | Independence Day | 15.08.2016 | College of Food Science and Technology, Bapatla |
| **4.** | Teacher's Day | 05-09-2016 | College of Food Science and Technology, Bapatla |
| **5.** | Health Camp | 16 -9-2016 | College of Food Science and Technology, Bapatla |
| **6.** | Preventive Medicine distribution | 20 -9-2016 | College of Food Science and Technology, Bapatla |
| **7.** | Anti Ragging awareness | 21-9-2016 | College of Food Science and Technology, Bapatla |
| **8.** | NSS day | 24-09-2016 | College of Food Science and Technology, Bapatla |
| **9.** | Blood donation camp | 1-10-2016 | College of Food Science and Technology, Bapatla |
| **10.** | Gandhi Jayanthi | 2-10-2016 | College of Food Science and Technology, Bapatla |
| **11.** | World Food Day | 16-10-2016 and 17-10-2016 | College of Food Science and Technology, Bapatla |
| **12.** | Fresher's Day | 26-10-2016 | College of Food Science and Technology, Bapatla |
| **13.** | Sardar Vallabhai Patel Jayanthi | 31-10-2016 | College of Food Science and Technology, Bapatla |
| **14.** | Acharya NG Ranga Jayanthi | 07-11-2016 | College of Food Science and Technology, Bapatla |

| | | | |
|---|---|---|---|
| **15.** | Ambedkar Death Anniversary | 6-12-2016 | College of Food Science and Technology, Bapatla |
| **16.** | National Agriculture day | 31-12-2016 | College of Food Science and Technology, Bapatla |
| **17.** | Medical Camp | 28-1-2017 | College of Food Science and Technology, Bapatla |
| **18.** | College and Hostel day celebrations | 25.03.2017 | College of Food Science and Technology, Bapatla |
| **19.** | Rally on Road safety awareness | 11.04.2017 | College of Food Science and Technology, Bapatla |
| **20.** | Foundation Stone for ELP Building and two hostel buildings | 06-05-2017 | College of Food Science and Technology, Bapatla |
| **21.** | Anti Terrorism Day | 19-05-2017 | College of Food Science and Technology, Bapatla |

**2017-18**

| S. No. | Event | Date | Venue |
|---|---|---|---|
| **1.** | Nava Nirmana Deeksha Day | 3-06-2017 | College of Food Science and Technology, Bapatla |
| **2.** | University Foundation day | 12-06-2017 | College of Food Science and Technology, Bapatla |
| **3.** | International Yoga day | 21-06-2017 | College of Food Science and Technology, Bapatla |
| **4.** | Vanam – Manam | 1-07-2017 | College of Food Science and Technology, Bapatla |
| **5.** | Swachta Pakhwada programme | 2-08-17 to 13-08-2017 | College of Food Science and Technology, Bapatla |
| 6. | Independence Day | 15-08-2017 | College of Food Science and Technology, Bapatla |
| 7. | Teacher's Day | 05-09-2017 | College of Food Science and Technology, Bapatla |
| 8. | Anti Ragging awareness | 16-9-2017 | College of Food Science and Technology, Bapatla |
| 9. | Gandhi Jayanthi | 2-10-2017 | College of Food Science and Technology, Bapatla |

| | | | |
|---|---|---|---|
| 10. | Blood Donation Camp | 11-10-2017 | College of Food Science and Technology, Bapatla |
| 11. | First Alumni Meet | 15-10-2017 | College of Food Science and Technology, Bapatla |
| 12. | Vigilance Awareness week | 3-10-2017 to 4-11-2017 | College of Food Science and Technology, Bapatla |
| 13. | Sardar Vallabhai Patel Jayanthi | 31-10-2017 | College of Food Science and Technology, Bapatla |
| 14. | Fresher's Day | 5-11-2017 | College of Food Science and Technology, Bapatla |
| 15. | Acharya NG Ranga Jayanthi | 07-11-2017 | College of Food Science and Technology, Bapatla |
| 16. | National Agriculture Day | 31-12-2017 | College of Food Science and Technology, Bapatla |
| 17. | Ambedkar Death Anniversary | 6-12-2017 | College of Food Science and Technology, Bapatla |
| 18. | 69th Republic Day | 26-1-2018 | College of Food Science and Technology, Bapatla |
| 19. | Rally on Road safety awareness | 11-04-2018 | College of Food Science and Technology, Bapatla |
| 20. | Ambedkar Birth Day | 14-04-2018 | College of Food Science and Technology, Bapatla |
| 21. | College and Hostel Day celebrations | 21-04-2018 | College of Food Science and Technology, Bapatla |

**2018-19**

| S. No. | Event | Date | Venue |
|---|---|---|---|
| 1 | International Yoga Day | 21-06-2018 | College of Food Science and Technology, Bapatla |
| 2 | Independence Day | 15-08-2018 | College of Food Science and Technology, Bapatla |
| 3 | Teacher's Day | 05-09-2018 | College of Food Science and Technology, Bapatla |
| 4 | Swachhta Hi Seva 2018 | 22.09.2018 | College of Food Science and Technology, Bapatla |
| 5 | NSS Foundation Day | 24-09-2018 | College of Food Science and Technology, Bapatla |
| 6 | Anti Ragging awareness | 27-9-2018 | College of Food Science and Technology, Bapatla |
| 7 | Space exhibition | 7.10.2018 | Tenali. |
| 8 | World Food Day-2018 | 24-10-2018 | College of Food Science and Technology, Bapatla |

| | | | |
|---|---|---|---|
| 9 | ICON SWM – 2018 | 24-11-2018 | Nagarjuna University |
| 10 | Dr. B.R. Ambedkar's 125th Birth day celebrations | 26-11-2018 | College of Food Science and Technology, Bapatla |
| 11 | "National Milk Day" | 26-11-2018 | College of Food Science and Technology, Bapatla |
| 12 | 5K &2K run | 9-12-2018 | Bapatla |
| 13 | 70th Republic Day | 26-01-2019 | College of Food Science and Technology, Bapatla |
| 14 | Dr B.R Ambedkar's Birth day | 14-04-2019 | College of Food Science and Technology, Bapatla |

**2019-20**

| S. No. | Event | Date | Venue |
|---|---|---|---|
| 1 | International Yoga Day | 21-06-2019 | Dr. NTR College of Food Science and Technology, Bapatla |
| 2 | Independence Day | 15-08-2019 | Dr. NTR College of Food Science and Technology, Bapatla |
| 3 | Fitness Pledge | 29.08.2019 | Dr. NTR College of Food Science and Technology, Bapatla |
| 3 | Teacher's Day | 05-09-2019 | Dr. NTR College of Food Science and Technology, Bapatla |
| 4 | NSS Foundation Day | 24-09-2019 | Dr. NTR College of Food Science and Technology, Bapatla |
| 5 | Anti Ragging awareness | 27-09-2019 | Dr. NTR College of Food Science and Technology, Bapatla |
| 6 | World Food Day-2018 | 16-10-2019 | Dr. NTR College of Food Science and Technology, Bapatla |
| 7 | Dr. B.R. Ambedkar's 125th Birth day celebrations | 26-11-2019 | Dr. NTR College of Food Science and Technology, Bapatla |
| | Dr. B.R. Ambedkar's Death Anniversary | 06-12-2019 | Dr. NTR College of Food Science and Technology, Bapatla |

| | | | |
|---|---|---|---|
| 8 | "National Voters Day" | 25.01.2020 | Dr. NTR College of Food Science and Technology, Bapatla |
| 9 | 71th Republic Day | 26-01-2020 | Dr. NTR College of Food Science and Technology, Bapatla |
| 10 | World Bank Team Visit | 25.01.2020 | Dr. NTR College of Food Science and Technology, Bapatla |
| 11 | Agri Educational Fair on Career Opportunities | 25.02.2020 | Dr. NTR College of Food Science and Technology, Bapatla |
| 12 | General Body Meeting | 10.02.2020 | Dr. NTR College of Food Science and Technology, Bapatla |

**World Food Day Celebrated on 16th of October every year**



**2016**



**2017**



**2018**



**2019**



**World Bank Team visit to Dr. NTR CFST Bapatla on 25-01-2020**

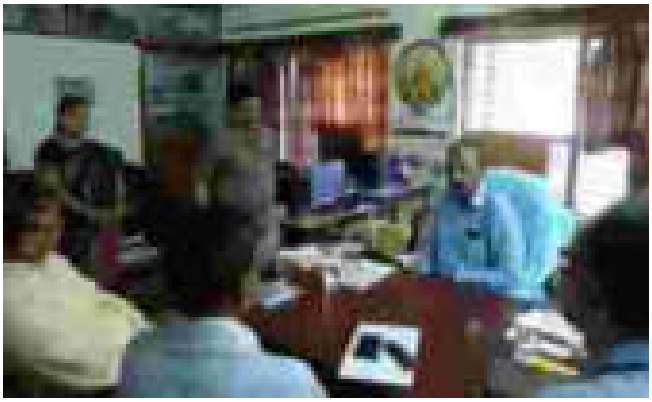




**Intercollegiate Sports, Games, Cultural and Literary Winners**



Sri. Somireddy Chandra Mohan Reddy, Agricultural Minister, AP unveiling the plaque on occasion of Foundation stone laying Program at CFST, Bapatla on 6th May, 2017 for NABARD Works



Hon'ble Vice Chancellor, Dr. V. Damodara Naidu interacting with staff members at CFST, Bapatla on 11th June, 2017

**Faculty visits to In-plant Training industries**



**Pepsico India Holdings Pvt. Ltd., Pothireddy palli, Sangareddy**



**Coca-Cola Pvt. Ltd., Ameenpur, Miyapur, Hyderabad**



**Dukes (Kamala Consumer care Ltd.) Kothur, Hyderabad**



**ICAR-IIMR, Rajendranagar, Hyderabad**



**Mother Dairy, Hayathnagar, Hyderabad**



**Royale Marine Impex, Pvt. Ltd., Bapatla**



**ITC, Bangalore**



**ID Fresh Foods (India) Pvt. Ltd., Bangalore**



**Pearl Bottling Private, Vizag**



**Visakha Dairy, Vizag**



**Vijaya Dairy, Vijayawada**

# Industries/Institutional Exposure visits of students



**Students visit to Sangam Dairy, Vadlamudi**



**Students visit to Eastern Spices and Condiments, Narakodur**



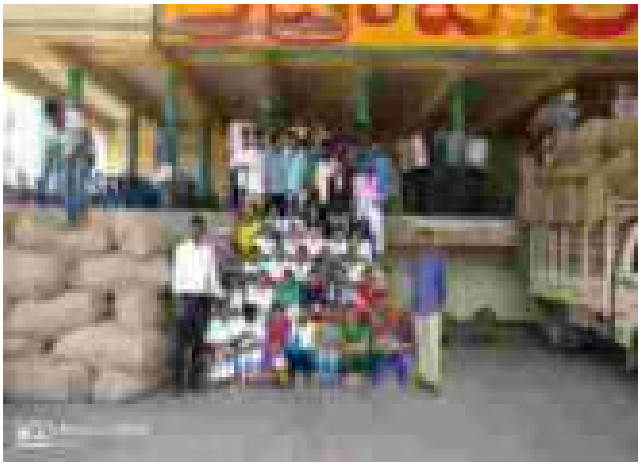

**Cashew Processing Industrial Visit, Vetapalem**



**Students Visit to Modern Rice Mill**



**Students Visit to FCI Godowns**



**Students visit to Cold storage, Guntur**



**Students exposure visit to Fudo Festino, Vignan University, Vadlamudi**



**Students Exposure visit to Food Processing Industry Conclave-2018 at Vijayawada**



**Students Exposure visit to AP Ag. Tech. Summit-2017 at Vizag**



**Student of CFST exhibiting Millet Products at IFT – 2018, Bangalore**



**Hands on training on Hitech analytical instrumentation for agriculture and food product quality analysis at IIFPT, Thanjavur**

# Industrial Tour of Students & Staff





**Starting for the Tour on 17/01/2020 at 9.00 PM**

| | |
|---|---|
|  |  |
| **At CFDT, Koduvalli, Chennai on 18/01/2020** | **At VUTRI, Tanjavur on 20/01/2020** |
|  |  |
| **At IIFPT, Tanjavur on 20/01/2020** | **TNAU, Coimbatore on 22/01/2020** |
|  |  |
| **At TNAU Centenary arch, Coimbatore on 22/01/2020** | **Agricultural Engineering College, TNAU, Coimbatore on 22/01/2020** |
|  |  |
| **CIFT, Kerala on 24/01/2020** | **Mysore on 27/01/2020** |

| | |
|---|---|
|  |  |
| **Food processing Laboratory, IIHR, Bangalore on 28/01/2020** | **PHT Center, IIHR, Bangalore on 28/01/2020** |
|  |  |
| **PHT Center, GKVK, Bangalore on 29/01/2020** | **ICAR - NDRI Bangalore on 30/01/2020** |

6.5.4.7. **Language Laboratory:** Courses on English language and Communication Skills and Personality Development are offered in the Department of Basic Science and Humanities, Dr. NTR College of Food Science & Technology, Bapatla for first year and final year B.Tech (Food Technology) students extensively to nurture effective language efficiency of the students. It is a dedicated course designated to polish the language skills of B.Tech (Food Technology) students of the college. Under these courses, the teacher listens and manage the audio and video of each student individually and personally modify the communication skills and personality development requirement of every student. Along with this, an interactive board is also utilized to supplement the teaching of the course curriculum. Videos of various great personalities from India and World are shown to the students to improve the confidence among the students under these courses.

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6.5.4.8. **Cultural Center:** A Cultural Center is established as a full-fledged central hub of activities for the students of Dr. NTR College of Food Science & Technology, Bapatla to utilize leisure time of the students in the best possible manner by providing various facilities for their knowledge, comfort and relaxation. It has an auditorium with seating capacity of 200 persons for organizing meetings, functions, seminars and other activities for students. Art exhibitions are also being arranged for students and staff from time to time. An internet facility with interactive board facility is also available for the students in the auditorium. Students are trained on various cultural activities like singing, dancing, mono action etc. Students are motivated to participate in various art exhibition competitions and literary events like drawing, cartooning, rangoli, quiz, debate, essay writing, extempore etc. at College level, Regional level, University level and Inter-University level. Students of Dr. NTR College of Food Science & Technology, Bapatla have succeeded very well in cultural activities during last five years.



**Freshers' Day Organized by the Students**

**2013-14**

Students have participated in I, II and III Phases of Sports, Games, Literary and Cultural Events of ANGRAU.

**2014-15**

Students have participated in I, II and III Phases of Sports, Games, Literary and Cultural Events of ANGRAU.

**2015-16**

Students have participated in I, II and III Phases of Sports, Games, Literary and Cultural Events of ANGRAU. Students have also participated in All India Inter Agril. Universities Meet.

**2016-17**

Students have participated in Sports, Games, Literary and Cultural Events of ANGRAU Phase I held at Naira from 27th to 30th November, 2016, Inter College Sports meet Phase II at Bapatla from 10th to 13th December, 2016 and Phase III of Inter College Sports meet at Tirupati from 17th to 20th December, 2016. Students have also participated in All India Sports and Games Meet 2016-17 at Hisar, Haryana from 22nd March to 1st April, 2017.

**2017-18**

Students have participated in Sports, Games, Literary and Cultural Events of ANGRAU Phase I held at Tirupati from 16-18th December, 2017, in which 22 students attended Phase II held at Naira during 20-22nd December, 2017, in which 25 students attended and Phase III held at Bapatla from 27-30th Dec'2017 in which 36 students attended.

**2018-19**

Thirty six Students have participated in Sports, Games, Literary and Cultural Events of ANGRAU Phase I held at Bapatla from 03-06th October, 2018, Phase II held at Naira during 12th -14th October, 2018, in which 20 students attended and Phase III held at Tirupati from 22nd -25th October, 2018 in which 25 students attended.

Mr. P. Bhanu Teja , Ch. Ramya and G. Profulla Siri have participated in XIX All India Inter University Sports and Games meet , 2018-19 , from 2nd - 5th January, 2019 held at PAU , Ludhiana.

**2019-20**

Mr. N. Kishore Swamy, BF17-031 has participated in All India Inter Agri. University Sports and Games Meet.





**Prizes Won by Students During Intercollegiate Sports, Games, Cultural and Literary Meet 2019**

6.5.4.9. **Personality Development:**

| Year | Date | Topic | Guest Speaker | Session | Students Attended |
|---|---|---|---|---|---|
| I Year | 23rd February, 2019 | Team Building | Sri.Herald, Rao's Engineering Academy, Bapatla | 2 | 85 |
| | | Team player Session | | | 85 |
| | | Time Management | Sri. B.S.Rao, Rao's Engineering Academy, Bapatla | 1 | 85 |
| | 18th February, 2019 | Ice Breaking, Attitude Building | Ms. Sucharitha Wilson G, Lead Auditor, ISO | 2 | 85 |
| II Year | 19th February, 2019 | Goal Setting | Sri. Vamshi Krishna Reddy, Triumphant Solutions, Hyderabad | 3 | 94 |
| | | Interpersonal Skills | | | 94 |
| | | Communication Skills | | | 94 |
| | | Social Etiquettes | | | 94 |
| | | Right Attitude | | | 94 |
| III Year | 20th February, 2019 | Career Planning | | 3 | 94 |
| | | Personality Enhancement | | | 94 |
| IV Year | 16th February, 2019 | Job Search Process | Dr.N.Rama Babu, Psychologist, Care Educational & Counseling Center | 3 | 94 |
| | | Resume Writing | | | 94 |
| | | Group Discussion | | | 94 |
| | | Personal Interview Skills | | | 94 |

**6.5.5. Physical Facilities:**

6.5.5.1. **Hostels:**

Two new hostel buildings one each for boys and girls with a floor area of 510 square meters each were constructed and opened in the year 2017-18 to provide spacious accommodation to the residents of the hostels. The Boys Hostel which was constructed with 1.5 Crores has 9 rooms. The new Girls Hostel constructed with 1.5 Crores has 7 rooms. These two hostels along with two old boys and girls hostels are accommodating about 200 students.

**Hostel Facilities at Dr. NTR College of Food Science & Technology, Bapatla**

| Hostels | | | Floor Area | No. of Rooms | Student per room |
|---|---|---|---|---|---|
| Boys Hostel | 2 | 1 Old | 1500 Sq. m | 13 | 3 |
| | | 1 New | 510 Sq. m | 9 | 3 |
| Girls Hostel | 2 | 1 Old | 3000 Sq. m | 36 | 3 |
| | | 1 New | 510 Sq. m | 7 | 3 |

Two messes are available one each for boys and girls. R.O. drinking water facility and water coolers are available. Cleaning is attended every day by sanitary workers. College vehicle with driver is available on call for medical emergencies. Ambulance facility from Agricultural College is also engaged from time to time.



**New Girls Hostel, Dr. NTR College of Food Science and Technology, Bapatla**



**New Boys Hostel, Dr. NTR College of Food Science and Technology, Bapatla**

6.5.5.2. **Examination hall:** Two examinations halls are available in the new ELP building. The exam halls are spacious and can accommodate up to 40 students per room.



**A view of Examination Halls**

6.5.5.3. **Sports and Recreation Facilities:**

A new Volley ball court, ball badminton court and Basket ball court were constructed and are being used by the students.

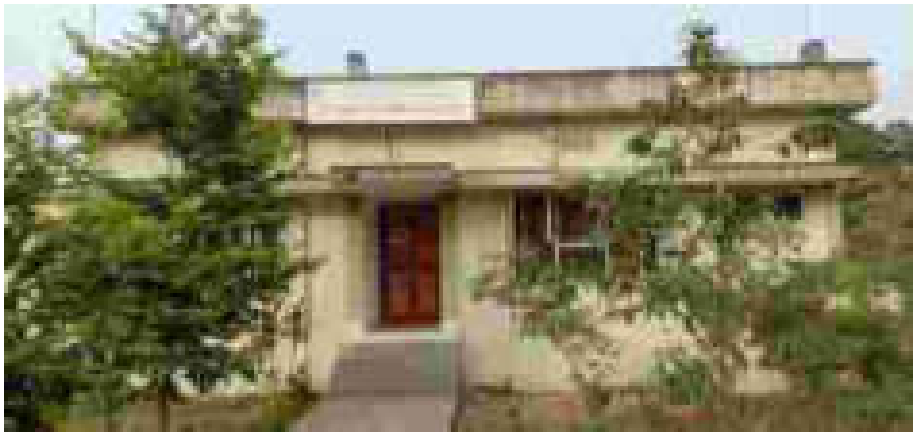
**Sports and Games facilities at Dr. NTR College of Food Science & Technology, Bapatla**

| Sl.No. | Game | Available Infrastructure |
|---|---|---|
| 1 | Athletics | Track is Available |
| 2 | Ball Badminton | One Out Door Court |
| 3 | Indoor Gym | Two gyms are available for both Boys and Girls at Hostels |
| 4 | Table Tennis | Two tables for both Boys and Girls separately |
| 5 | Volley Ball | One outdoor court |
| 6 | Shuttle Badminton | One court is available in the Administrative Building |
| 7 | Tennicoit | One Court |
| 8 | Chess | Four Chess |
| 9 | Caroms | Two Boards |
| 10 | Cricket | Cricket Pitch |
| 11 | Basket Ball | One well equipped new basket ball court |

Two gyms area available one each at boys and girls hostel. Facilities for table tennis, caroms and chess playing area provided. Day to day sports and games are maintained by Physical Director (Part-time) and Officer In-Charge Student Activities. Yoga classes are conducted as part of the course curriculum and 15 days yoga coaching campaign (2018) is also conducted.



**Multi-Station Gym at Boys Hostel**



**Student Health Center**



**Students Playing Table Tennis**



**Students Playing Volley Ball**



**Basket ball Court, Dr. NTR College of Food Science and Technology, Bapatla**

6.5.5.4. **Auditorium:** The college has an indoor auditorium, which can accommodate up to 200 students and well equipped with audio and visual equipment.



6.5.5.5. **Exhibition Hall/Museum:** No separate exhibition hall/museum exists in the college, however, the posters/models/exhibits/charts are displayed by the students on special occasions such as World Food Day, College and Hostel Day, Demonstration of Food Adulteration and Agri Fairs etc.

6.5.6. **Research Facilities:** The College has well established facilities for conducting research on development of new food products, food processing equipment, food analysis and quality control, food microbiology, and computer lab for conducting under graduate research projects. Some of the faculty are supervising students thesis research projects of M. Tech. and Ph.D. Programmes related to Processing and Food Engineering offered at the sister college of Dr. NTR College of Agricultural Engineering in Bapatla.

6.5.6.1. **Postgraduate Laboratories and Equipments:** This College does not offer any Postgraduate Programmes. However, equipments like tray dryers, Spray Dryer, Membrane Filtration Unit, Millet Processing Equipment, Convective Microwave Dryer, Soy Milk Processing Unit and Food Packaging Lab equipment are being used by M. Tech (Food Process Engineering) students of Dr. NTR College of Agricultural Engineering, Bapatla.

6.5.6.2. **Research Contingency:**

**I. ICAR Extramural Research Project**

**Extraction and Mechanical Separation of Chia Seed Mucilage by Dr BVS Prasad, Professor of Food Processing Technology**

Total cost of the Project : Rs.36.38 Lakhs

**EQUIPMENT PURCHASED DURING 2015-16**

1. IKA T 18 Digital Ultra-Turrax Homogenizer : Rs.1,63,594/-
2. Hammer Mill and Wiley Mill

a. Star Trace Laboratory Pulverizer : Rs.1,89,450/-

b. Weiber Willy Mill : Rs. 47,994/-

3. Electromagnetic Sieve Shaker with Complete Set of Sieves : Rs.1,53,384/-

**EQUIPMENT PURCHASED DURING 2016-17**

1. Microwave Air-Convective Dryer : Rs.11,73,625/-
2. Automatic Dietary Fiber Estimation System : Rs.2,97,649/-

**II. Study on Minimum Wages and Gender Discrimination in Burly Tobacco Farms in Andhra Pradesh" funded by Godfrey Phillips Indian ltd , Rs 5.39 lakhs by Dr. D. Vishnu Sankar Rao, Former Associate Dean, Dr. NTR CFST, Bapatla**

| Sl. No. | Head of Account | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---|---|---|---|---|---|---|---|
| 1 | Contingencies Non-Plan | 18,98,047 | 25,04,805 | 68,63,976 | 36,71,742 | 48,17,953 | 45,39,497 |
| 2 | ICAR | 4,99,956 | 2,24,3585 | 13,02,810 | | | |
| 3 | 110500 – University Administration Computer Centre – 2000 – Recurring Contingencies – 2500 - Maintenane – 2520 – ERP | 30,000 | | | | | |
| 3 | 324119 – Central Assistance under the scheme development and strengthening of SAUs during XI Plan | | 5,76,000 | | | | |
| 4 | 150040 - Rural Agricultural Work Experience Programme | | -- | -- | -- | 5,16,000 | 7,20,000 |
| 5 | Allotment of Experiential Learning Unit Grant for the Month of March, 2014 | 28,86,824 (Non-Recurring) | | | | | |
| | | 67,91,497 (Recurring ) | | | | | |

### 6.5.7. Outcome/Output

6.5.7.1. **Student Performance in National Examinations:** Provide detailed information in tabular form about student performance in JRF/SRF/NET/ARS/and other national examinations for last five years. Only those students receiving fellowships should be mentioned here.

| S. No. | Name of the student | GATE Rankers | ICAR-JRF Rankers | CFTRI Rankers |
|---|---|---|---|---|
| **2014-15** | | | | |
| 1 | Harish | | | Qualified |
| 2 | Sai Srinivas | | | Qualified |
| 3 | Pankaj Sharma | | | Qualified |
| **2015-16** | | | | |
| 1 | Lakshmy Viswanath K | 21 | | Qualified |
| 2 | Kapil Rai | 338 | | |
| 3 | Priya Singh | 770 | | |
| 4 | Pranil M | | 18 | |
| 5 | Lakshmy Viswanath K | | 29 | |
| 6 | R. Srikanth | | 37 | |
| 7 | Aleena T Mathews | | 58 | |
| 8 | Mohith Aravind G | | 78 | Qualified |
| **2017-18** | | | | |
| 1 | Ashutosh Tripathy | 139 | | |
| 2 | Anupama Lakra | 222 | | |
| 3 | Arjun Singh | 345 | | |
| 4 | Vivek Sharma | 385 | | |
| 5 | Vasavi Dadi | 838 | | |
| 6 | Suraj Samrawat | 1105 | | |
| 7 | L. Saritha | 1278 | | |
| 8 | Gopinath Mummaleti | 1644 | | |
| 9 | Anvitha Iddum | 1709 | | |
| 10 | Aakanksha B | 2000 | | |
| 11 | Nancy Grace Ruth Adapala | 2349 | | |
| 12 | Sravani Ache | 2500 | | |
| 13 | Prasanna Kamishetti | 2841 | | |
| 14 | M. Chandrika | 2900 | | |
| 15 | Lahari Tankala | 3100 | | |
| 16 | Mighty Priya | 4000 | | |
| 17 | B. Kiran Kumar | 5123 | | |
| 18 | Manikya Rao Badugu | 5521 | | |
| 19 | Bhavya T | CAT qualified | | |
| 20 | Arjun Singh | CAT qualified | | |

| | | | | |
|---|---|---|---|---|
| **2018-19** | | | | |
| 1 | Ms A. Somya | 2062 | | |
| 2 | Ms P. Usha | 3786 | | |
| 3 | Mr. Shitanshu Kumar | 6478 | | |
| 4 | Mr. K. Ravindra Kumar | 6500 | | |
| 5 | Ms. S. Mighty Priya | 7215 | | |
| **2019-20** | | | | |
| 1 | Mr. Piyush Sharma | 89 | | |
| 2 | Ms. Bhargavi | 408 | | |
| 3 | Mr. Gourav Uikey | 456 | | |
| 4 | Mr. Swamy | 1100 | | |
| 5 | Mr. Srikar | 1444 | | |

6.5.7.2. **Students Placement Profile:**

| S. No | Name of the Firm Offering Placement | Name of the Post | Mode of Selection | Date of Interview / Examination | No. of students got Placement | |
|---|---|---|---|---|---|---|
| | | | | | Boys | Girls |
| **2014-15** | | | | | | |
| 1 | M/s Disha Foods Pvt. Ltd., | Executive Trainee | conducted Campus Interviews | 21.04.2015 | 6 | 3 |
| 2 | M/s Synthites Pvt. Ltd., Medarametla, Prakasam District | Executive Trainee | Interview held at Industry | 10.05.2015 | - | 1 |
| 3 | M/s Global Green Company Ltd., Venkatapur, Medak District | Executive Trainee | Interviews held at Industry | May, 2015 | 2 | 1 |
| 4 | M/s C.G. Foods Pvt. Ltd., Chittoor | Executive Trainee | Interview held at Industry | May, 2015 | 1 | - |
| 5 | M/s Priya Foods, Poranki, Vijayawada | Executive Trainee | Interviews held at Industry | May, 2015 | - | 4 |
| 6 | M/s Gandour Foods Pvt. Ltd., Hyderabad | Executive Trainee | Interview held at Industry | May, 2015 | 1 | - |
| 7 | M/s Happy Farms, Rajupalem, Sattenapalli | Executive Trainee | Interview held at Industry | May, 2015 | - | 1 |
| 8 | M/s Molecular Connections, Bangalore | Executive Trainee | Interview held at Industry | May, 2015 | - | 1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **2015-16** | | | | | | |
| 1. | Dukes, Hyderabad | Trainee | Interview | | 2 | 3 |
| 2. | Heritage, Hyderabad | Trainee | Interview | | 1 | - |
| 3. | Hector Beverages, Mysore | Trainee | Interview | | 2 | 2 |
| 4. | Gokul(Heritage), Chittoor | Trainee | Interview | | 1 | - |
| 5. | Sangam Dairy, Vadlamudi | Trainee | Interview | | 1 | - |
| 6. | Ongole Dairy, Ongole | Trainee | Interview | | 2 | - |
| 7. | Pepsico Ltd, Sangareddy, Medak | Trainee | Interview | | 1 | - |
| 8. | SA Rawther Pvt Ltd, Hindupur, Ananthapur | Trainee | Interview | | - | 2 |
| 9. | Priya Foods, Poranki, Vijayawada | Trainee | Interview | | - | 1 |
| 10. | Inbisco Ltd, Hyderabad | Trainee | Interview | | - | 4 |
| 11. | Greenways Agro Foods, Chellapalli | Trainee | Interview | | 1 | - |
| **2016-17** | | | | | | |
| 1 | Vimta Labs Ltd., Sharmeerpet-500078, Hyderabad | Jr. Trainee | Interview | 15-03-2017 | 4 | |
| 2 | Hindustan Coca-cola Beverages Private Limited, Atmakur Unit, Guntur District – 522 503. A.P | Quality Executive, Supplychain Operation Trainee | Written Test, Interview | 15-03-2017 | 5 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | Hindustan Coca-Cola Beverages Pvt Ltd., Ameenpur, Patancheru Mandal, Medak District | Supplychain Operation Trainee | Written Test, Interview | Nov, 2016 | | 1 |
| 4 | Heritage Foods Ltd. Uppal, Hyderabad | Production Executive | Interview | 17-03-2017 | 1 | |
| 5 | Hector Beverages Pvt. Ltd., Hyderabad | Trainee | Written Test, Interview | Dec, 2016 | 3 | 4 |
| **2017-18** | | | | | | |
| 1 | Pepsi Food Products Ltd., Pothireddy pally, Sangareddy Mandal. Medak | Executive Trainee | Interview | - | 2 | - |
| 2 | Amul Ltd (in Franchise Industry) | Executive Trainee | Interview | - | 1 | 2 |
| 3 | Hector Beverages , Bengaluru | Trainee | Interview | - | 0 | 2 |
| 4 | AP Food Processing Society, Vijayawada | Young Professional | Interview | 11-05-2018 | 2 | 2 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **2018-19** | | | | | | |
| 1 | ITC , Guntur | Quality Manager | In-plant Training | During in plant training | -- | 1 |
| 2 | Premium ingredients, Chittoor | Quality Manager | In-plant Training | During in plant training | -- | 1 |
| 3 | Kamala consumer care Rang Reddy | Quality Manager | In-plant Training | During in plant training | -- | 1 |
| 4 | Pepsi co Ltd Sanga Sanga, Telangana | Quality Manager | In-plant Training | During in plant training | 1 | -- |
| **Total Number of students placed** | | | | | **36** | **37** |

6.5.7.3. **Awards/Recognitions/Certificates:** Provide information on awards/recognitions/ certificates in tabular form for last five years separately for students and faculty.

**Staff Awards**

1. Dr. D. Vishnu Sankar Rao, Associate Dean was awarded Meritorious Teacher Award, 2001, ANGRAU.
2. Dr. D. Vishnu Sankar Rao, Associate Dean was awarded FAO Fellowship in Agribusiness Management at Texas A&M University, USA, 1998.
3. Dr. D. Vishnu Sankar Rao, Associate Dean was awarded Sri Mocherla Dattatreyulu Memorial GOLD MEDAL for Best Economist/Best Scientist during 2010 by ANGRAU.
4. Dr. Ch.V.V.Satyanarayan, Professor & Head of Food Process Engineering was awarded ISAE Fellow by Indian Society of Agricultural Engineers (ISAE), New Delhi.
5. Dr. Ch.V.V.Satyanarayan, Professor & Head of Food Process Engineering was received AP State Meritorious Teachers Award from Department of Higher Education, Govt. of Andhra Pradesh, Amaravati.
6. Dr. Ch. Someswara Rao, Assistant Professor received **Gold Medal** from Acharya N.G. Ranga Agricultural University, Hyderabad for securing highest OGPA in B.Tech (Agricultural Engineering).
7. Mrs M. Kirthy Reddy, Assistant Professor was awarded gold medal (Dr. Kamaraju memorial gold medal) for Highest Overall Grade point Average (9.01/10) in Graduation.
8. Mrs M. Kirthy Reddy, Assistant Professor was awarded gold medal (Dr. Sarala Reddy Gold medal) for Highest Overall Grade in Specialization (Foods and Nutrition) in Graduation.
9. Mrs M. Kirthy Reddy, Assistant Professor was awarded gold medal (Agri bambino gold medal) for Highest Overall Grade point Average (9.13/10) in post graduation.

**Student Awards**

1. Mr Gopinath Mummaleti, Nikhila P, Narender B, Manikya Rao B, Satyanarayana ChVV (2018). Poster presented on Effect of Various Drying Techniques on Nutritional Quality of Moringa. Proceedings of the 8$^{th}$ International Food Convention #IFCON 2018. Holistic approaches for start-ups, Human Resource Training for Agriculture and Food Industry Gemmation at CFTRI, Mysore during 12$^{th}$- 15$^{th}$, December 2018.
2. Mr Shitanshu Kumar, C.T. Anshid, S.K. Anil, K. K. Satish, Ch. V. V. Satyanarayana. Poster presented on Minimal Tomato processing and development of pasteurized de-seeded Tomato wedges. Proceedings of the 8$^{th}$ International Food Convention #IFCON 2018. Holistic approaches for start-ups, Human Resource Training for Agriculture and Food Industry Gemmation at CFTRI, Mysore during 12$^{th}$- 15$^{th}$, December 2018.
3. A. Somya received Best Student 2019 Award from ANGRAU.

**List of Students participated in Inter Agricultural University Sports & Games Meet**

| Sl.No. | Student Name | ID. No. |
|---|---|---|
| **2015-16** | | |
| 1 | E. Mallikarjuna | BF12-026 |
| 2 | T. Sadhana | BF13-032 |
| 3 | Alishahzad | BF13-003 |
| 4 | Arjun Singh | BF14-004 |
| **2016-17** | | |
| 1 | Arjun Singh | BF14-004 |
| 2 | T. Lahari | BF14-011 |
| 3 | Anshid Ch.T | BF15-004 |
| **2017-18** | | |
| 1 | Akuthota Akhil | BF15-001 |
| 2 | K.V.N. Sai Pavan | BF15-046 |
| **2018-19** | | |
| 1 | P. Bhanu Teja Gowd | BF15-007 |
| 2 | G. Profulla Siri | BF15-060 |
| 3 | C. Ramya | BF16-028 |
| **2019-20** | | |
| 1 | N. Kishore Swamy | BF17-031 |

6.5.7.4. **Employability:** This College has developed an excellent Training and Placement (T & P) Cell, which is headed by a senior faculty member to take care of the training and employment needs of the graduating students. The Training and Placement Cell has been maintaining excellent rapport with government, non-government and private organizations constantly taking the feedback from them for updating the requirements of the graduates. The job opportunities for food technology graduates exist in the state department of Andhra Pradesh Food Processing Society, Women and Child Welfare Department, Department of Public Health, Food Corporation of India, FSSAI, BIS, Bank and reputed multinational food processing industries such as ITC, Pepsico, Horlicks GSK etc. The Alumni of the college has also been supporting the College and the T&P cell in their pursuit of providing employment opportunities to the graduates. The alumni involvement and support has also been helping the college in placing the students for In-Plant training in the corporate sector and also job placements in industrial sector. The Alumni of the College have been occupying prestigious positions in academic institutions, food processing industries.

The college has facilities to bring out an overall personality of the students. The laboratory practicals, ELP training and in-plant training make students industry ready. The entrepreneurship orientation is rendered to the students by conducting ELPs effectively. A working capital of Rs. 20,000/- is given and profit realized is shared among student, faculty and University.

6.5.8. **SSR of the College must have the SSR of all its Degree Programmes:** The Self Study Report of the degree programme of Dr. NTR College of Food Science & Technology, Bapatla is herewith attached

6.5.9. **Certificate**

I, the Associate Dean, Dr. NTR College of Food Science & Technology, Bapatla hereby certify that the information contained in Sections 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the college and degree awarding university.



**Signature of the Associate Dean of the college with Date & Seal**

| ANNEXURE – I | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sl.No.** | **Department** | **Faculty Name** | **Designation** | **Highest Qualification** | **Expertise** | **Experience** | **Awards/ Achievements** |
| 1 | Department of Food Processing Technology | Dr. M. Sardar Baig | Associate Professor | Ph.D | Post Harvest Engineering<br><br>Processing of Cereals and Millets | 18 Years | • Received Certificate of Merit from Honorable Governor of Andhra Pradesh for motivating largest number of blood donors during 2004-05.<br><br>• State merit scholarship during graduation<br><br>• Gate scholarship during post graduation |
| | | Dr. Ch.Someswara Rao, | Asst. Professor | Ph.D | Post Harvest Engineering<br><br>Food Storage Engineering<br><br>Processing Technology of Cereals<br><br>ICT applications in Food | 6 years | Received **Gold Medal** from Acharya N.G. Ranga Agricultural University, Hyderabad for securing highest OGPA in B.Tech (Agricultural Engineering). |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | Industry | | |
| | | Mrs. M. Kirthy Reddy | Asst. Professor | M.Sc (Food Technology) | Food Technology | 5 years | • Awarded **gold medal** (Dr. Kamaraju memorial gold medal) for Highest Overall Grade point Average (9.01/10) in Graduation.<br>• Awarded **gold medal** (Dr. Sarala Reddy Gold medal) for Highest Overall Grade in Specialization (Foods and Nutrition) in Graduation.<br>• Awarded **gold medal**(Agri |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | bambino gold medal) for Highest Overall Grade point Average (9.13/10) in post graduation.<br>• **Best Out going student** of Graduation |
| | | Mrs. K. Sowjanya | Asst. Professor | B. Tech, (FS) MSc.(FS) | Food Technology | 3 years | • One year experience in Industry in Galla Foods, Heritage Foods.<br>• Published four research papers in different journals.<br>• Presented poster paper on "Defatted groundnut cake biscuits" |
| | | Mrs. R. Preeti Sagar | Teaching Associate | M.Sc (Food Science) | Fruits and Vegetables Processing, Meat and Meat Products Processing, Bakery and Confectionary Products. | 12 Years | • Got gold medals for UG and PG studies |
| 2 | Department of Food Process | Dr. Ch.V.V. Satyanarayana | Professor and Univ. Head | Ph.D | Post Harvest Processing, | 33 years | • Fellow, ISAE in 2017, |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Engineering | | | | Food Process Engineering and equipment, Membrane based Separation Technologies, Food Extrusion Technology | | A.P. State Meritorious Teacher Award in 2016<br>• Two Patents<br>• ANGRAU Meritorious Research Scientist Award<br>• Common Wealth Scholar New zeland |
| | | Er.K.Rajesh | Asst. Professor | M.Tech (FPE) | Food Process Engineering, Seed processing techniques, Food processing techniques,<br><br>Maintenance and operations Farm machinery and equipments, Teaching Experience, Computer Skills | 5 years | • Recipient of University of Agricultural Sciences, Bangalore gold medal for securing highest OGPA in B.Tech (Agricultural Engineering) during the year 2007-08.<br><br>• Recipient of Sir M. Visveswarayya gold medal during 42nd convocation of University of |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | Agricultural Sciences, Bangalore during the year 2007-08.<br>• Recipient of Krishnamurthy International Agricultural Development Foundation-Scholarship for the Masters Degree.<br>• Qualified in the All India Combined Examination (2007 – 08), for Admission to Master's Degree Program, conducted by ICAR (Indian Council of Agricultural research).<br>• Obtained state government sponsored merit scholarship for 3 successive years |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | during under graduation.<br>• Participated and presented poster in the UGC sponsored seminar on "food quality and safety" at Nirmala college for women, Coimbatore. |
| | | Dr. Blessy Sagar Seelam | Asst. Professor | Ph.D | Food Process Engineering, Food Technology | 3 years | • Won First Prize in oral presentation presented in conference on "Need based modern trends in Neutracuticals Research"<br>• Got Merit Certificate in M.Sc Second Place. | |
| 3 | Dept. of Food Safety and Quality Assurance | Dr. Vimala Beera | Asst. Professor | Ph.D | Food science & technology & Post harvest Technology, Food Processing, Post Harvest Technology & Value Addition, Food | 5 years | • The research work entitled 'Sensory appeal and consumer research for flax seed chutney: A healthy approach' got FIRST PRIZE for poster presentation at All processo 2k 16 , at Karunya University , Coimbatore & Fudo Festino 2k16 at Vignan University, Guntur.<br>• **Best Poster Presentation Award** at an International Conference on Biotechnology in Pharma & Food industries in the year 2011.<br>• Won **Second Prize** for **Oral presentation** of original research work of Doctoral | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | Safety & Quality Control | | degree at **EVOGEN 12** in 2012.<br>• Qualified for National Eligibility Test (**NET**) conducted by **ASR**B (ICAR) in the discipline of **FOOD SCIENCE AND TECHNOLOGY** in **2009**<br>• Qualified for **ICAR SRF** in the academic year **2007-08** in the discipline of Food Science and Technology |
| | | Dr. B. Sunitha | Teaching Associate | Ph.D | Biochemistry | 13 | • Secured college second rank in graduation (Biochemistry) |
| 4 | Department of Food Business Management | Dr. Y. Radha<br><br>Dr. K.S. R. Paul | Professor & Univ. Head. (Agril. Economics) and Associate Dean<br><br>Senior Scientist (Agril. Economics) | Ph.D<br><br>Ph.D | Agricultural Economics<br><br>Agricultural Economics | 27 years<br><br>12 yeras | • Coordinated FAO funded AP Water Management Project<br>• Submitted report for Agroclimatic Regional Planning Unit (Co-PI) |
| 5 | Dept. of Food Plant Operations (Student READY) | Er. E. Gowthami | Asst. Professor | M.Tech | Food Process Engineering | 3 years | • Pursuing II yr Ph.D in Agricultural Engineering during the academic year 2016-2017 with OGPA 8.82 and specialization of Processing and Food Engineering in College of Agricultural Engineering, Bapatla |
| 6 | Basic Engineering | N. Seshagiri Rao | Part time Teacher | M.Sc (Physics) | | 25 years | |
| | | Er. J. Kumara Raja | Part-time Teaching Associate | M.Tech (Computer Science) | | 8 years | |
| | | Dr. K. Krupavathi | Asst. Professor, CAE, Bapatla | Ph.D. | Soil and Water Conservation Engineer | 8 Years | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | ing | | |
| | | Dr. H.V. Hema Kumar | Professor CAE Bapatla | Ph.D. | Soil and Water Conservation Engineering | 25 years | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | Basic Sciences and Humanities | Dr. M. Srinivasa Rao | Associate Professor., Extension Department Ag. College, Bapatla | Ph.D | Agricultural Extension and Entrepreneurship Development | 12 years | |
| | | Dr. Y. Bindya | Asst. Professor, Ag. College, Bapatla | Ph.D. | Horticulture | 5 years | |
| | | Sri P. Venkata Rao | Asst. Professor Ag. College Bapatla | Msc. | Agronomy | 25 years | |
| | | Dr. Martin Luther | Professor Ag. College Bapatla | Ph.D | Agronomy, Environmental Sciences | 30 years | |
| | | Mrs. Ratna Kumari | Part time Teacher | M.Sc (Mathematics) | | 10 years | |
| | | Mrs. Florance, English | Part time Teacher | M.A (English) | | 10 years | |
| 8 | Physical Education | Mr. P. Sambasiva Rao | PD, Part-time | M.PEd. | Physical Education | 10 years | |

# Self Study Report

(2014-15 to 2018-19)

## ACCREDITATION
## OF
## COLLEGE OF FOOD SCIENCE & TECHNOLOGY
## &
## Degree Programme

Submitted To

INDIAN COUNCIL OF AGRICULTURAL RESEACH

NEW DELHI




**ACHARYA N G RANGA AGRICULTURAL UNIVERSITY**

COLLEGE OF FOOD SCIENCE & TECHNOLOGY

PULIVENDULA, Andhra Pradesh.

# Self Study Report

**of the**

# College of Food Science & Technology
# Pulivendula -522101, YSR Kadapa District
# Andhra Pradesh

**Submitted to the**
**INDIAN COUNCIL OF AGRICULTURAL RESEARCH, NEW DELHI**
**For Accreditation of B.Tech (Food Technology) Degree & College**




# Acharya N G Ranga Agricultural University
# Lam, Guntur – 522034, Andhra Pradesh

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## Introduction of College

The College of Food Science & Technology, Pulivendula was started during the year 2008-09 as a constituent college of Acharya N G Ranga Agricultural University, Lam, Guntur with an objective to cater the needs of human resources in the field of Food Technology to serve the Industry in Rayalaseema region of Andhra Pradesh to increase manufacturing in the state. The College strives to provide quality education to develop skilled human resources in the field of food technology to meet requirements of modernized food processing plants, quality certification, food safety, etc.

The foundation stone of College of Food Science & Technology, Pulivendula was laid by Late Dr. Y. S. Rajasekhar Reddy garu the then Chief Minister of Andhra Pradesh on 16.08.2008. An area of 40 acres of land was acquired through PADA (Puivendula Area Development Authority) funds for the establishment of the college. The College is in the midst of lush green fields of sweet orange gardens served by a water canal passing through the campus making a feast to the nature admirers. The ground floor of the building is having 36,300 sq. ft. large enough to have class rooms, labs, office, library, veranda and an auditorium with a capacity of 200 students.

The intake is 30 students per year from both mathematics and biology streams. From 2018-19 academic year onwards, considering the increase in demand of Food Technologists, the University has increased the intake by another 24 seats making it a total of 54 seats. The College provides accommodation to all admitted students both for boys and girls separately. Both the hostels are provided with facilities like TV, Table Tennis, Reading Room, play grounds and Gymnasium.

The college takes support of five departments, namely, Dept. of Food Processing Technology, Dept. of Food Process Engineering, Dept. of Food Safety and Quality and Assurance, Dept. of Food Business Management and Dept. Food Plant Operations. To encourage the students in extra-curricular activities, a separate office works under the guidance of Officer-in-Charge Student Activities. Student counselling and placement cell takes care of training and career related issues. The Physical Director serves the college students to keep them fit for the studies and career.

The **vision** of the College is to be an excellent value based higher educational and research institution in the field of food technology and meet the challenges of global competitiveness; to be the best college in Andhra Pradesh and one of the top 3 colleges in the India that graduates the best quality human resources equipped with game changing plans and problem solving skills.

The **mission**: Educating students for career success by keeping pace with global technology trends and enhancing traditional instruction with technology to prepare students for success in the work place.

### 6.5.1.1. College Dean's Office Establishment

Associate Dean's post has been sanctioned by the Government of Andhra Pradesh (vide ref. G.O.Ms. No. 328 dt.18-12-2012 of Govt of AP) as per the ICAR Model/UGC guidelines. The other details are as follows:

1. Date of selection of present Associate Dean: 01-07-2018
2. Mode of Selection: By appointment from eligible faculty professors of Food Science & Technology colleges
3. Tenure of selection: 2years
4. Staff & Infrastructure /facilities in Dean's Secretariat:

There is enough supporting staff working in the office of the Associate Dean. One UD Steno, one Junior Assistant-cum-Typist, one superintendent and Administrative Officer are working. And enough facilities are provided in the Office in terms of modern furniture, desktop and laptop systems, printers and scanners, high speed internet, Wi-Fi, UPS, etc. The chamber is congenial to hold meetings for long hours with comfortable tables and executive chairs. Plans are anvil to harness solar power to reduce electric power consumption.

### 6.5.1.2. Monitoring Mechanism for Quality Education

**a) Basic Framework of Monitoring Mechanism**

Curriculum teaching is the primary and most direct form of collegiate education, it is particularly important for colleges to establish the perfect quality standards and specify the whole process of curriculum teaching. The evaluation system of teaching quality must include teaching attitudes and teaching content and teaching

methods and means and teaching effectiveness as well as suggestions and open evaluation projects.

The monitoring organization of three levels is composed of Faculty and College and Department, they implement quality control according to the management functions at different levels. The authoritative monitoring organization is the Faculty board of the University. Teaching administration is the center of monitoring implementation, and actualizes the functions of Departments and coordination and analysis feedback. College is the main entity to implement the teaching and management and Department is the most basic unit to implement teaching quality monitoring. Faculty Dean has the responsibility of overall quality teaching of the constituent colleges and Associate Dean of the college is responsible for implementing class room quality control, implementation of academic regulation systems; teaching quality of the Departments, strengthening of the laboratories of the Department. Head of the Department ensures strict implementation of the class room teaching. Within the College, responsibility of all the academic matters are bestowed to Officer-in-Charge of Academic Matters (OAM) and the responsibility of providing necessary and basic quality amenities required by the students for stress free education lies with Officer-in-Charge of Student Activities (OSA).

**b) Monitoring mechanism:**

The Associate Dean of the College regularly convenes staff meetings to determine course allotment, implementation of the academic regulations in force, major problems encountered during implementation, identification of deficiency areas for imparting training to the staff members for quality education.

Evaluation is the main tool of measurement and judgment teaching quality. College always adheres to the evaluation policy based on the assessment of imparting quality teaching through conduct of practical classes, demonstration of latest technologies though videos for better understanding, industrial visits as part of curriculum, examining the teachers' abilities of managing classroom instruction and applying modern teaching methods and rational use of teaching methods and inspiring the enthusiasm of students' learning, the evaluation of the completion conditions of teaching lesson plans and classroom atmosphere conditions and feedback from the students.

The Dean of the Faculty of Agricultural Engineering & Technology, Acharya N G Ranga Agricultural University, Lam, Guntur has been visiting periodically and conducting the technical inspection for checking the performance of the college.

The internal quality is assessed by the committee formed by the Associate Dean at college level. There is a Student-Teacher Council working in the college meets once in every three months. The council comprises of 12 number of students and Heads of all departments representing the college. The council discusses and makes recommendation for further improvement of quality of curricular, co-curricular and extra-curricular activities.

**c) Impact of monitoring mechanism**

i) Digital class rooms were provided with each class room having LCD projector and Laptops (Orders were placed for laptop)

ii) Teaching staff were sent for training programmes under Faculty Development Programme in the deficiency areas

iii) Certain teaching staff was sent for pursuing Ph.D. studies for obtaining higher level of knowledge.

iv) All the laboratories were equipped with equipment/ machinery/Instrumentation for imparting hands-on-training to the students during practical classes.

**6.5.1.3. CC/Board of Studies**:

There is a two level system to look after the studies and is taken up at the University level.

**Table 1. Recommendations of the Faculty Board**

| S. No. | Meeting Details/ /Proceedings | Date | This book page no | Recommendation Made |
|---|---|---|---|---|
| **1.** | Faculty Board meeting | 19-12-2017 | Annexure I (59-61) | Intake of seats increased from 38 to 50 from academic year 2017-18 |
| **2.** | Faculty Board meeting/ agenda | 14-06-2018 | Annexure II ( 62) | Allocation of staff positions in new departments as per the V Deans Committee Recommendations (Annexure II, item no.1/page 1-5) |
| **3.** | Faculty Board meeting/ agenda item no.4 page 16 | 14-12-2018 | Annexure III ( 63) | Examinations –Uniformity in the evaluation system of semester final theory examinations in B. Tech. |

| | | | | |
|---|---|---|---|---|
| | | | | degree programmes |
| **4.** | Faculty Board meeting/ agenda item no.5 page 17-25 | 14-12-2018 | | Delegation of financial powers as per the ELPM guidelines to different cadres, who are monitoring the ELPM units |
| **5.** | Faculty Board meeting/ agenda item no.6 page 26-28 | 14-12-2018 | Annexure IV ( 64-66) | Non-Accredited colleges by ICAR – Strengthening and development – Funding for equipment and other – to meet the requirements of V Dean's Committee recommend-dations – Sanction of Funds from University source |

**Table 2. Recommendations of the Academic Council**

| S. No. | Meeting Details/Proceedings | Date | This book page | Recommendation Made |
|---|---|---|---|---|
| **1.** | 99th Meeting/ item no. 22/ page78-86 | 20-12-2017 | Annexure V ( 67) | Intake of seats increased from 38 to 50 from academic year 2017-18 |
| **2.** | 98th Meeting/ item no. 33 page 249-250 | 09-06-2017 | Annexure VI ( 68) | Renaming of Depts. of B. Tech. (Food Tech.) degree as per the V Deans' Committee, ICAR recommendations in Food Science & Technology Colleges |
| **3** | 98th Meeting item no.31 page 235-246 | 09-06-2017 | Annexure VII ( 69-70) | V Deans Committee, ICAR recommendations B. Tech (Food Tech.) Degree programme - Revised UG course curricula for 2016 admitted batch from academic year 2016-17 – implemented – Ratification for I and II semesters and approval for remaining 6 semesters |
| **4.** | 100th meeting /Agenda item 14 page 82-84 | 15-06-2018 | | Allocation of staff positions in new departments as per the V Deans Committee Recommendations, ICAR |

| | | | | |
|---|---|---|---|---|
| **5.** | 101st meeting /Agenda item 18page 83 | 15-12-2018 | Annexure VIII ( 71) | Examinations –Uniformity in the evaluation system of semester final theory examinations in B. Tech. degree programmes |
| **6.** | 101st meeting /Agenda item 19 page 84-86 | 15-12-2018 | Annexure IX ( 72-74) | Non-Accredited colleges by ICAR – Strengthening and development – Funding for equipment and other – to meet the requirements of V Deans Committee Recommendations – Sanction of Funds from University source. |

### 6.5.1.4. Anti-Ragging Cell:

An active anti-ragging cell is in operation in the college as well as hostels. Every year on onset of admissions, a committee is formed which monitors the students' activities right from morning to late night in classes and rooms. A register is also being maintained at the hostels for recording the attendance of teachers on anti-ragging duties. Online Anti-ragging affidavits at www.antiragging.in are being collected from students and parents duly executed from all students of the college irrespective whether a student is fresh or not as per the Gazette of India notified on 4th July, 2009. The details of the awareness programme conducted for the past 5 years is given below:

| S.No. | Programme | Date |
|---|---|---|
| **1.** | Anti-ragging awareness meeting | 26-08-2015 |
| **2.** | Anti-ragging awareness meeting | 24-08-2016 |
| **3.** | Anti-ragging awareness meeting | 06-09-2017 |
| **4.** | Anti-ragging awareness meeting | 19-09-2018 |
| **5.** | Anti-ragging awareness meeting | 18-09-2019 |

Further, Anti-ragging Committee and Squad were constituted every year. Vigilence duties were assigned for the entire 1st semester to the Anti-ragging squad

for curbing ragging menace in the campus. The squad constituted during 2019-20 is furnished for ready reference.

ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
**COLLEGE OF FOOD SCIENCE AND TECHNOLOGY**
Chinnarangapuram, PULIVENDULA – 516 390 Y.S.R. Kadapa Dist.

Rec. No.124/Anti-Ragging Vigilance duties/CFST/PLV/2018 Dt: 24-11-2018

It is to inform that as the newly admitted students have entered into the college campus, Anti-ragging squad vigilance duties were assigned to curb the ragging menace. Hence, all the members are requested to attend their scheduled duties and report discrepancies, if any, to the Associate Dean immediately to take necessary action. All the following staff are requested to attend their duties without fail.

**ANTI-RAGGING SQUAD VIGILANCE DUTIES**

| Date | Name of the staff | Time of visit | |
|---|---|---|---|
| 25.11.18 | Sri K.Mani Rathnam and Mrs. B.Sudha Rani | 12 Noon to 1 PM | 7 PM to 10 PM |
| 26.11.18 | Dr. K.Rajasekhar and Mrs. K.Sreedevi | 12 Noon to 1 PM | 7 PM to 10 PM |
| 27.11.18 | Sri M.Penchala Raju and Mrs. Y.Aruna Kumari | 12 Noon to 1 PM | 7 PM to 10 PM |
| 28.11.18 | Sri Lakshmeeranyana Reddy and Mrs. U. Kavitha | 12 Noon to 1 PM | 7 PM to 10 PM |
| 29.11.18 | Sri K.V.Pramod Kumar and Mrs. B.Aruna | 12 Noon to 1 PM | 7 PM to 10 PM |
| 30.11.18 | Sri V.Ravi Kumar and Mrs. U. Rajeswari Bai | 12 Noon to 1 PM | 7 PM to 10 PM |
| 01.12.18 | Sri S. Mallikarjuna Reddy and Mrs. Ganga Devi | 12 Noon to 1 PM | 7 PM to 10 PM |
| 02.12.18 | Sri V.Ravindra Reddy and Mrs. P.Kavitha | 12 Noon to 1 PM | 7 PM to 10 PM |
| 03.12.18 | Sri N.Sreedhar Reddy and Mrs. Sk.Nazma Hafeeza | 12 Noon to 1 PM | 7 PM to 10 PM |
| 04.12.18 | Sri A.D.Srikanth Tangirala and Mrs. B.Sudha Rani | 12 Noon to 1 PM | 7 PM to 10 PM |
| 05.12.18 | Dr.M.Sardar Baig and Mrs. K.Sreedevi | 12 Noon to 1 PM | 7 PM to 10 PM |
| 06.12.18 | Sri Lakshmeeranyana Reddy and Mrs. Y.Aruna Kumari | 12 Noon to 1 PM | 7 PM to 10 PM |
| 07.12.18 | Sri K.Mani Rathnam and Mrs. U. Kavitha | 12 Noon to 1 PM | 7 PM to 10 PM |
| 08.12.18 | Dr. K.Rajasekhar and Mrs. B.Aruna | 12 Noon to 1 PM | 7 PM to 10 PM |
| 09.12.18 | Sri M.Penchala Raju and Mrs. Y.Aruna Kumari | 12 Noon to 1 PM | 7 PM to 10 PM |
| 10.12.18 | Sri K.V.Pramod Kumar and Mrs. U. Rajeswari Bai | 12 Noon to 1 PM | 7 PM to 10 PM |
| 11.12.18 | Sri V.Ravi Kumar and Mrs. B.Sudha Rani | 12 Noon to 1 PM | 7 PM to 10 PM |
| 12.12.18 | Sri S. Mallikarjuna Reddy and Mrs. Ganga Devi | 12 Noon to 1 PM | 7 PM to 10 PM |
| 13.12.18 | Sri V.Ravindra Reddy and Mrs. P.Kavitha | 12 Noon to 1 PM | 7 PM to 10 PM |
| 14.12.18 | Sri N.Sreedhar Reddy and Mrs. Sk.Nazma Hafeeza | 12 Noon to 1 PM | 7 PM to 10 PM |
| 15.12.18 | Sri A.D.Srikanth Tangirala and Mrs. U.Kavitha | 12 Noon to 1 PM | 7 PM to 10 PM |
| 16.12.18 | Dr.M.Sardar Baig and Mrs. K.Sreedevi | 12 Noon to 1 PM | 7 PM to 10 PM |
| 17.12.18 | Sri Lakshmeeranyana Reddy and Mrs. Y.Aruna Kumari | 12 Noon to 1 PM | 7 PM to 10 PM |
| 18.12.18 | Sri K.Mani Rathnam and Mrs. U. Kavitha | 12 Noon to 1 PM | 7 PM to 10 PM |
| 19.12.18 | Dr. K.Rajasekhar and Mrs. B.Aruna | 12 Noon to 1 PM | 7 PM to 10 PM |
| 20.12.18 | Sri M.Penchala Raju and Mrs. Mrs. P.Kavitha | 12 Noon to 1 PM | 7 PM to 10 PM |
| 21.12.18 | Sri K.V.Pramod Kumar and Mrs. Sk.Nazma Hafeeza | 12 Noon to 1 PM | 7 PM to 10 PM |
| 22.12.18 | Sri V.Ravi Kumar and Mrs. U. Rajeswari Bai | 12 Noon to 1 PM | 7 PM to 10 PM |
| 23.12.18 | Sri S. Mallikarjuna Reddy and Mrs. Ganga Devi | 12 Noon to 1 PM | 7 PM to 10 PM |
| 24.12.18 | Sri V.Ravindra Reddy and Mrs. P.Kavitha | 12 Noon to 1 PM | 7 PM to 10 PM |
| 25.12.18 | Sri N.Sreedhar Reddy and Mrs. Sk.Nazma Hafeeza | 12 Noon to 1 PM | 7 PM to 10 PM |
| 26.12.18 | Sri A.D.Srikanth Tangirala and Mrs. B.Sudha Rani | 12 Noon to 1 PM | 7 PM to 10 PM |
| 27.12.18 | Dr.M.Sardar Baig and Mrs. K.Sreedevi | 12 Noon to 1 PM | 7 PM to 10 PM |
| 28.12.18 | Sri Lakshmeeranyana Reddy and Mrs. B.Aruna | 12 Noon to 1 PM | 7 PM to 10 PM |
| 29.12.18 | Sri K.Mani Rathnam and Mrs. B.Sudha Rani | 12 Noon to 1 PM | 7 PM to 10 PM |
| 30.12.18 | Dr. K.Rajasekhar and Mrs. U. Rajeswari Bai | 12 Noon to 1 PM | 7 PM to 10 PM |
| 31.12.18 | Sri S. Mallikarjuna Reddy and Mrs. Ganga Devi | 12 Noon to 1 PM | 7 PM to 10 PM |

ASSOCIATE DEAN



**Fig 1. Awareness Programme on Anti-Ragging conducted during 2018-19**

**6.5.1.5. Biological waste disposal facility:**

Cleaning and waste disposal services in a laboratory and in the college premises requires strict adherence to applicable policies and procedures. Laboratory personnel and Building-In-charge ensure that procedures be developed for disposal so that everyone understands and will follow and thus, avoid the hazards to personnel and students.

Building Services will empty municipal trash, supply paper towels for hand washing areas, sweep and vacuum floors, mop floors and refinish floors when needed. Waste disposal is managed by the appropriate party and typically includes the following categories: municipal waste, hazardous waste, biological waste and sharps. Each waste category must be handled and managed according to established procedures and work practices.

**Laboratory waste disposal:**

Any liquid from laboratory, chemical waste including stock containers with unused products, no chemical residue in the empty containers shall not be placed in the municipal waste. All sharp objects shall be placed in an appropriate, puncture resistance container to prevent injuries. For all other types of waste, container is appropriately labeled and separated from municipal waste.

**Bio hazards and Bio hazards waste disposal:**

Bio hazards (bacteria, fungi, virus and parasites etc) and Bio hazards waste (Cultures, stocks, sharps, PPE, or any other item contaminated with a biohazard or pathological waste) are disposed as followed:

All bio-hazardous liquid waste is properly decontaminated prior to disposal either by mixing with appropriate disinfectant with proper contact time, then pouring into the sanitary sewer drain. Solid waste is disposed by means of autoclaving or incinerator

**Go-green initiatives:**

Organic Vermi compost pits: The food/kitchen waste is converted to compost by using a vermi-compost pit in the College premises.

**6.5.1.6. Institutional Ethics Committee for Experiment on Animals:**

No experiments were carried out on animals.

**6.5.1.7. Committee for Prevention of Sexual Harassment of Women at Work Places:**

The Women Protection Cell was established by the University vide Memo.No.3391/SAS/2016 dt.29-04-2016 of Registrar, Acharya N G Ranga Agricultural University, Guntur. The following are the Committee members:

| S.No | Position | Name | Post |
|---|---|---|---|
| **1.** | Chairperson | Dr. Prabhu Prasadini | Director, International Programmes, ANGRAU, Guntur |
| **2.** | Member | Dr. J. Lakshmi | PS (Millet Foods), Admin Office. |
| **2.** | Member | Dr. S. Prathibhasree | Scientist (Agro), )O/o ADR, Guntur |
| **4.** | Member | Dr. M. V. Lakshmi | Asst. Prof, APGC, Guntur |
| **5.** | Member | Dr. A. Lalitha | Scientist (Extn), PAIO, Guntus |
| **6.** | Member | Mrs. K. V. Surya Kumari | Deputy Registrar (NTE), Admin Office, Guntur |

Mrs. Aruna Kumari, Y., Assistant Professor, Dept. of Food Processing Technology has been nominated as committee member for Women Protection Cell of College of Food Science & Technology, Pulivendula for the years 2019-20 to 2020-21 vide ref Roc. No. 152/CFST/PVDL/2019 dt.17-04-2019 of Associate Dean, College of Food Science & Technology, Pulivendula as per the directions received through Memo.No.3391/SAS/2019 dt.04-04-2019 of Registrar, ANGRAU, Guntur.

**Proceedings conducted in the last five years**

| S.No. | Year | Proceedings |
|---|---|---|
| **1.** | 2018-19 | No incidents reported |
| **2.** | 2017-18 | No incidents reported |
| **3.** | 2016-17 | No incidents reported |
| **4.** | 2015-16 | No incidents reported |
| **5.** | 2014-15 | No incidents reported |

### 6.5.2. Faculty

#### 6.5.2.1. Faculty Strength

| S. No. | Sanctioned Faculty | Faculty Sanctioned | Faculty in place |
|---|---|---|---|
| 1. | Associate Dean | 1 | 1 |
| 2. | Professor | 4 | 0* |
| 3. | Associate Professor | 13 | 0** |
| 4. | Assistant Professor (inclusive TAs) | 18 | 12** |
| 5. | Assistant Librarian | 1 | 1 |

***Visiting faculty:** 1. Dr. C.R. Sukumaran, Former Associate Dean, CFST, Bapatla
2. Dr. S. Kaleemullah, Principal Scientist & Head, PHTC, Tirupati
3. Dr. Sivalakumar, Former Associate Dean, CFST, Bapatla

*** University has advertised for filling up of posts under Assistant Professor & Associate Professor vide notification No.7/RC/2018 Dt: 10.10.2018. Examination for selection was conducted and qualified candidates were displayed in ANGRAU website. Final interviews are yet to be conducted.*

**6.5.2.2. Faculty Profile (Department wise):**

**Department of Food Processing Technology:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience in Years |
|---|---|---|---|---|---|
| **1.** | Dr. S. Vishnu Vardhan | Assistant Professor | Ph.D. | ANGRAU, Guntur | 12+ |
| **2.** | Mrs. Y. Aruna Kumari | Assistant Professor | M.Sc. (Food Tech.) | PAU, Ludhiana | 5+ |
| **3.** | Mr. K.V.Pramod Kumar | Teaching associate | M.Sc. (Food Tech.) | Vignan University Guntur | 4+ |

**Department of Food Process Engineering:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Dr. D.D. Smith | Associate Dean | Ph.D. | TNAU, Coimbatore | 20+ |
| **2.** | Er. Srikanth, ADT | Assistant Professor | M. Tech. (Food Engg) | IIT, Kharagpur | 5+ |
| **3.** | Mr. Balram Bhagat | Teaching Associate | M.Tech. (Food Engg) | IIT, Kharagpur | 5+ |

**Department of Food Safety & Quality Assurance:**

| S.No. | Name of the Faculty | Position | Highest qualification | University | Experience Years |
|---|---|---|---|---|---|
| **1.** | Mrs. Aruna R. | Assistant Professor | M.Sc. (Biochemistry) | SV University Titupati | 10+ |
| **2.** | Mrs.P. Jayamma | Assistant Professor | M.Sc.(Ag. Microbiology) | ANGRAU, Guntur | 5+ |
| **3.** | Mr. V. Anil Kumar | Teaching Associate | M.Sc. (Microbiology) | Andhra University | 12+ |
| **4.** | Mr. M. Obulesu | Teaching Associate | M.Sc. (Biochemistry) | Nagarjuna University, Guntur | 10+ |

**Department of Food Business Management:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience, Years |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| **1.** | Mrs. Niveditha, K | Assistant Professor | M.Sc. (Ag. Economics) | GKVK, Bangalore | 2+ |

**Department of Basic Engineering:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Mrs. Nazma Hafeeza Sk | Assistant Professor | M. Tech. (Food Engg) | ANGRAU, Guntur | 2+ |
| **2.** | Er. V. Rafi | Teaching Associate | M. Tech. (Electronics Engineering) | Karunya University | 8+ |

**Department of Basic Sciences & Humanities:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Dr.K. Sidda Reddy | Teaching Associate | Ph.D. (Maths) | J N Technol. University, Anantapuramu | 4+ |
| **2.** | Dr. Sambaiah | Teaching Associate | Ph. D. (English) | SV University, Tirupati | 4+ |

**6.5.2.3. Credentials of the Faculty:**

**Research Publications of the faculty members**

**International Papers**

**2019**

1. **Vishuvardhan S,** John Wesly B. 2019. Design and Development of Mechanical dried chillies compaction machine. Scientific Journal of Agricultural Engineering, 4:60-72

**2018**

2. Swamy. R, Sivala. K, **Smith. D. D**, Sadasivarao. K and Lakshimipathy. R. 2018. Determination of Head Load And Power Requirement for Development of Bin Type Paddy Dryer. International Journal of Agricultural Science and Research. Vol. 8, Issue 2, Apr 2018, 77-82.
3. R. Swamy, K. Sivala, **D.D. Smith**, K. Sadasivarao and R. Lakshimipathy. 2018.Performance Evaluation of Gasifier with Different Sizes of Feed Stock. Int.J.Curr.Microbiol.App.Sci. 7(12): 2813-2816.
4. R. Swamy, K. Sivala, **D.D. Smith**, K. Sadasivarao and R. Lakshimipathy. 2018. Development of Open Core Bi-Reactor Gasifier with Effective Cooling andCleaning Devices. Int.J.Curr.Microbiol.App.Sci. 7(12): 1796-1801.
5. Tankesh Kumar, **D.D. Smith**, Sivala Kumar and B. Vimla. **2018**. Effect of Voltage Gradient and Temperature on Electrical Conductivity of Grape

(Vitisvinifera L.) Juice during Ohmic Heating**.** Int.J.Curr.Microbiol.App.Sci. 7(5): 1914-1921.

6. Saikiran, K. Ch. S., **Reddy, N. S.,** Mn, L., and Venkatachalapathy, N. (**2018**).Different Drying Methods for Preservation of Dates: A Review. Current Journal of Applied Science and Technology, 1-10.
7. **Reddy, N. S**., Yadav, B. K. (**2018**). Nondestructive Analysis of Litchi Fruit Quality Using FT-NIR Spectroscopy. International Journal of Biochemistry Research & Review, 1-10.
8. **Reddy, N. S**., Santhi, Y. P., Sree, K. R., Kiran, K. Ch. S. S., Vardhan, S. V.(**2018**). Performance Testing and Evaluation of On-Farm Mobile Paddy Dryer. Current Journal of Applied Science and Technology, 1-9.
9. Saikiran, K.Ch.S.., **Sreedhar Reddy, N**., Monisha, P., & Venkatachalapathy, N.(**2018**). Mechanical methods of microencapsulation: A Review. International Journal of Current Microbiology and Applied Sciences, 7(11), ISSN: 2319-7706.
10. **Aruna R**, Manjula B, **Penchalaraju M**, Chandrika (2018). Effect of fenugreek seed mucilage on physicochemical properties of Mosambi fruit juice. Journal of Pharmacognosy and Phytochemistry.Vol.7 (1)
11. **Aruna R**, Manjula B, **Penchalaraju M**, Chandrika (2018). Effect of fenugreek seed mucilage on physicochemical properties of Mosambi fruit juice. *Journal of Pharmacognosy and Phytochemistry*.Vol.7 (1)

**2017**

12. Y Pavani, U P Kumar, G G K P Reddy and **D D Smith**. **2017**. Edible film coating of fresh cut papaya**.** International Journal of Multidisciplinary Advanced Research Trends.4,1(3) 255-260.
13. **R. Aruna, K. VinayPromodKumar** and K. Sowjanya. Utilization of Banana in the Development of Nutrient Rich Banana Bar 2017. International Journal of Agricultural Science and Research Vol. 7, Issue 5, 189-194.
14. **R. Aruna, K. VinayPromod Kumar** and**P.Jayamma** Standardization and Proximate Analysis of Muskmelon Jam 2017.International Journal of Agricultural Science and Research Vol. 7, Issue 5, 329-344.
15. ButtiPrabhakar, D.R. More, **K.V. Pramod Kumar**, Shridhar Reddy and P. SrilathaNutritional composition and sensory evaluation of sorghum papad 2017. Asian Journal Dairy & Food Research, Vol.36, Issue 4 , 304-309.
16. P. Srilatha, K. Uma Maheshwari, Butti Prabhakar &**K. V. Pramod** 2017. Physico-Chemical Analysis of The Natural Food Colours Extracted By Using Nano Technology. International Journal of Agricultural Science and Vol. 7, Issue 3, 433-442.
17. **Vundru Anil Kumar**, KandruAmmani, RajkumariJobina, SubhaswarajPattnaik, BusiSiddhardha, Photo-induced and phytomediated synthesis of silver nanoparticles using *Derristrifoliata* leaf extract and its larvicidal activity against

*Aedesaegypti*., Journal of Photochemistry and Photobiology: B Biology, Volume 171, 2017, pp 1 – 8. (Impact Factor: 3.0, NAAS Rating 9.04, Citations: 8)

18. **R.Arua and K.VinayPromod Kumar** (2017). Utilization of Banana in the development of nutrient rich Banana bar. International Journal of Agricultural Science and Research Vol.7 (5)
19. **R. Aruna, K. VinayPromod Kumar, P. Jayamma** (2017). Standardization and proximate analysis of Muskmelon jam. International Journal of Agricultural Science and Research Vol.7 (5)
20. Manjula B, **Aruna R**, Prasanna N. Sai and Ramana C (2017). Studies on physical and bio-chemical analysis of value added products developed from tamarind pulp. International Journal of Processing and Post Harvest Technology Vol.8(2)
21. **P. Jayamma,**Raveendrareddy R,**Aruna R,** U. Srineetha (2017). Microbial and physico-chemical characteristics of street vendered fruit juices.Agriculture Update Vol.12
22. **R.Arua and K.VinayPromod Kumar** (2017). Utilization of Banana in the development of nutrient rich Banana bar. *International Journal of Agricultural Science and Research* Vol.7 (5)
23. **R. Aruna, K. VinayPromod Kumar, P. Jayamma** (2017). Standardization and proximate analysis of Muskmelon jam. *International Journal of Agricultural Science and Research* Vol.7 (5)
24. Manjula B, **Aruna R**, Prasanna N. Sai and Ramana C (2017). Studies on physical and bio-chemical analysis of value added products developed from tamarind pulp. International Journal of Processing and Post Harvest Technology Vol.8(2)

**2016**

25. **Jayamma, P.**, Raveendra Reddy, R., Aruna, R and Nagalakshmi, S. 2016. Determination of antimicrobial activity of probioticated papaya juice. Progressive Research – An International Journal. Volume (11) (Special-V): 3381-3384.
26. K.Sowjanya and**K.VinayPromod Kumar.** 2016. Hurdle Technology in Food Preservation. IOSR Journal of Environmental Science, Toxicology and Food Technology Vol. 10, Issue 5, 09-13.
27. **Vundru Anil Kumar**, KandruAmmani, RajkumariJobina, ParamanandhamParasuraman, BusiSiddhardha, Larvicidal activity of green synthesized silver nanoparticles using Excoecariaagallocha L. (Euphorbiaceae) leaf extract against Aedesaegypti., IET Nanobiotechnology, Volume 10, Issue 6, 2016, pp. 382 – 388. (Impact Factor: 1.5, NAAS rating 7.54, Citations: 7)
28. **P. Jayamma**, Raveendrareddy R,**Aruna R**, Nagalakshmi (2016). Determination of antimicrobial activity of probiotic papaya juice.Progressive Research –An international Journal. Vol.11.

**2015**

29. **A.D.Srikanth, T**. (2015). Modeling of Size Reduction, Particle Size Analysis and Flow Characterisation of Spice Powders Ground in Hammer and Pin Mills.

International Journal of Research in Engineering and Technology, 03(12), 296–309. https://doi.org/10.15623/ijret.2014.0312042

30. Harish Kumar Mehta, Subhash Reddy, R., **Jayamma, P** and Naveen Kumar, R. 2015. Influence of Biofertilizers, Vermicompost and Chemical Fertilizrs on Growth, Nodulation, Nutrient Uptake, Seed Yield and Economics of Black Gram. International Journal of Applied and Pharmaceutical Technology. Volume (6): 249-251.

**2014**

31. Madhavi, M. V. N., Subhash Reddy, R., **Jayamma, P** and Naveen Kumar, R. 2014. Studies on the antagonistic effect of plant growth promoting rhizobacteria isolated from Groundnut (Arachis hypogea) and Sorghum (Sorghum bicolor) against Rhizoctoniasolani. Asian Journal of Microbiology Biotechnology & environmental Science. 16(4): 1085-1189.
32. Veeravenkatesh, M and **Vishnuvardhan, S. 2014.** Studies on Some Physical Properties of Sweet Orange Relevant to Bulk Handling. International Journal of Agricultural Engineering. 7(2): 347-351.

**2013**

33. **Smith, D.D**., R. Kailappan, I.P. Sudhakar and PandiSelvam. (**2013**). Frictional, Mechanical and Aerodynamic properties of onion seed. International Journal of Engineering Research and Technology. Vol.12 (10).
34. **Aruna, Y. K**. and Sachdev P.A. (**2013**). Effect of packaging and storage on antioxidant activity of tomato salsa with herbs. International Journal of Engineering Research & Technology, Vol.2 Issue 9, pp 5 – 16.
35. **Aruna, Y. K., M.S. Baig.(2013)**. Development of water melon rind incorporated fruit bar. International Journal of Engineering Research & Technology, Vol.2 Issue 10, pp 70-75.

**2012**

36. **Tangirala, S**., Sarkar, B. C., Kumar Sharma, H., & Kumar, N. (2012). Modeling and Characterization of Blended Guava Pomace and Pulse Powder Based Rice Extrudates. International Journal of Food Engineering (Vol. 8). https://doi.org/10.1515/1556-3758.2366

**National Journals**

**2019**

1. M. Madhava, Sivala Kumar, D. BhaskaraRao, **D. D. Smith** and H. V. Hema Kumar. 2019. Hybrid Greenhouse Dryer for Paddy. Journal of Agricultural Engineering Vol. 56 (2): April-June, 111-121.
2. M SardarBaig, K Sivala, L Edukondalu, J Lakshmi and R Lakshmipathy. 2019. Determination of Physical and Thermal Properties of Sorghum. The Andhra Agricultural Journal 66(2) : 2019 (In press).

**2018**

3. **S Vishnu Vardhan**, Ch V VSatyanarayana, D BhaskaraRao**, D D Smith** and R. Lakshmipathy. **2018.** Some Physico-Chemical Properties of Sweet Orange Fruit and Juice with Relevance to Membrane Processing. The Andhra Agric. Journal.65 (3): 650-657, 2018.
4. **K. VinayPramod Kumar** , Jessie Suneetha W and B. Anila Kumari Active Packaging Systems in Food Packaging For Enhanced Shelf Life 2018. Journal of Pharmacognosy and Phytochemistry Vol. 7, Issue 6: 2044-2046.
5. R Swamy, K Sivala, **D D Smith**, K Sadasivarao and R Lakshimipathy. 2018. Performance Evalution of on-Farm Paddy Dryer Coupled with a Gasifier. The Andhra Agric. J 65 (4): 943-947.
6. M SardarBaig, K Sivala, L Edukondalu, J Lakshmi and R Lakshmipathy. 2018. Effect of Soaking and Roasting on Sorghum Flakes. The Andhra Agricultural Journal 65(4): 913-921.
7. **S. Vishnu Vardhan**, B. John Wesley, D Sandeep Raja, S.V.S. Gopala Swamy. 2018. Economics of Conventional and Mechanical Methods of Compaction and Bagging of Dried Chillies. Andhra Agricultural Journal. 65(4):932-936
8. **Vishnu Vardhan, S,** Satyanaryana, Ch.V.V., Bhaskara Rao, D. Smith**,** D.D. and Lakshmipathy, R. 2018. Some Physico-Chemical Properties of Sweet Orange Fruit and Juice with Relevance to Membrane Processing. Andhra Agricultural Journal. 65(3):650-657.
9. Gopalaswamy SVS, John Wesley, B., Sandeep Raja, D. and **Vishnu Vardhan,** S. 2018. Feasibility of sand layer technique for small scale storage of pulse seed. Journal of Entomology and Zoological studies. 6(6):428-431.
10. **S. Vishnu Vardhan,** B. John Wesley, D Sandeep Raja, S.V.S. Gopala Swamy. 2018. Modified ANGRAU Polyhouse Solar Dryer for Export Quality Dry Chillies. Andhra Agricultural Journal. 65 (Spl): 505-510.
11. **Vishnu Vardhan, S,** Satyanaryana, Ch.V.V., Lakshmipathy, R. Smith**,** D.D. and Bhaskara Rao, D. 2018. Shelf-life studies of Sweet Orange Juice Concentrated by Reverse Osmosis. Andhra Agricultural Journal. 65(2):441-446.
12. Y. Prem Santhi, N.Sreedhar Reddy, K. Ramya Sree and **S Vishnu Vardhan,** K.Ch.S. Sai Kiran. 2018. Performance Evaluation of Mobile Paddy Dryer for On-farm processing. Andhra Agricultural Journal. 65 (Spl): 517-524.

**2017**

13. **Jayamma, P.,**Raveendra Reddy, R., Aruna, R. and Srineetha, U. 2017. Microbial and physico-chemical characteristics of street vended fruit juices. Agriculture Update. Volume (12): 629-634.
14. **Jayamma, P.,**Raveendra Reddy, R., Naveen Kumar, R. andSrineetha, U. 2017. Effect of Vinegar on Surface Microflora of Fruits and Vegetables.Trends in Biosciences. 10(33): 7172-7176.

**2016**

15. S Srikanth, **D DSmith**, Sivala Kumar and M Sandhya. **2016**. Radio frequency drying kinetics of paddy grain. The Andhra Agric. Journal**.** 63 (4): 921-926.
16. K MuraliNaik, **D D Smith** and **M SardarBaig**. **2016**. Development of Whey Enriched Protein Rusk. The Andhra Agric. Journal. 63 (4): 915-920.

17. K MuraliNaik, **M SardarBaig**and **D D Smith**. **2016**. Development of multipurpose mix. The Andhra Agric. Journal. 63 (3): 976-679.
18. **Jayamma, P.**, Raveendra Reddy, R., Aruna, R and Nagalakshmi, S. 2016. Determination of antimicrobial activity of probioticated papaya juice.Progressive Research – An International Journal. Volume (11) (Special-V): 3381-3384.
19. Nazma Hafeeza Shaik, D. Bhaskara Rao, S. **Vishnu Vardhan**, Y.Narendrababu. 2016. Determination of physical properties of Aonla Fruit (*Embilica officinalis).* Andhra Agricultural Journal. 63 (3): 688-693.
20. Veeravenkatesh, M and **Vishnuvardhan, S. 2016.** Evaluation of Packaging Method and Material for Shelf life Enhancement of Sweet Orange. The Journal of Research ANGRAU. 44 (3&4), 72-81.
21. Ghodki, B. M., **Tangirala,** A.D.S., and Goswami, T. K. 2016. Moisture dependent thermal properties of cassia. Cogent Food & Agriculture, 2(1), 1–12. https://doi.org/10.1080/23311932.2016.1227110

**2015**

22. Veeravenkatesh, M and **Vishnuvardhan, S. 2015.** Changes in Physicochemical and Microbial Properties of Sweet Orange from harvest to spoilage. The Andhra Agricultural Journal. 62(3): 642-646.

**2014**

23. Revathi,K., Subhash Reddy, R., **Jayamma, P** and Naveen Kumar, R. 2014. Impact of biofertilizers on antioxidant activity of spinach beet (Beta vulgaris). Journal of Progressive Agriculture Vol.5 (2): 26-19.
24. Supraja, Y., Subhash Reddy, R., **Jayamma, P** and Nagalakshmi, S. 2014. Antagonistic activity and molecular characterization of local isolates of Fluorescent Pseudomonads. Ecology, Environment & Conservation 20 (3): 203-207.
25. D.V.Subhashini, **V.Anil Kumar**, Phosphate solubilising Streptomyces spp associated with the rhizosphere soils of *Ceriopsdecandra* from Corangi mangroves (Kandikuppa) of Andhra Pradesh., Indian Journal of Agricultural Sciences, 84(5): 2014, pp.560–564. 14
26. **S. Vishnu Vardhan**, Ch. Sreenivas, P. Sreedevi and C. Venkata Reddy. 2014. Impact Assessment of Drainage Water Management in Salt Affected Soils of Godavari Western Delta on a Pilot Scale in India. Scientific Journal of Agricultural Engineering. 3:63-71.

## Popular Articles:

**2019**

*1.* V.Vasudeva Rao, **S. Vishnu Vardhan,** B. John Wesley, S.V.S. Gopala Swamy and D. Sandeep Raja. 2019. *Chirudhaanyaala koraku andubaatulo unna processing yantraalu*

**2018**

2. **S.Vishnu Vardhan**, V. Vasudeva Rao, B. John Wesley. 2018. *Aahara padaarthala packing kai plastic bottles mariyu packetlapai chihnaalu – arthaalu*. **Vyavasayam.**
3. **S. Vishnu Vardhan,** A. Lalitha. 2018. *Knapsack sprayer vaadakam lo melukuvalu*. **Raithunestham**.

4. **S. Vishnu Vardhan**, B. John Wesley, S.V.S. Gopala Swamy. 2018. *Egumathi naanyatha pramaanaalakai aadhuneekarinchina polyhouse solar dryer dwara mirchi aarudala.* **Vyavasayam.**
5. **S. Vishnu Vardhan**, B. John Wesley. 2018. *Endu mirchi gothalalo thokke yantramu*. **Vyavasayam.**

**2016**

6. B. John Wesley, S. **Vishnu Vardhan**, D. Sandeep Raja, SVS, Gopala Swamy. 2016. *Swayam upaadhiga aparaala processing.* **Vyavasayam.**
7. B. John Wesley, **S**. **Vishnu Vardhan**, D. Sandeep Raja, SVS, Gopala Swamy. 2016. *Pasupu kommulanu udikinche aaviri yantramu*. **Vyavasayam.**
8. SVS, Gopala Swamy **S**. **Vishnu Vardhan**, D. Sandeep Raja, B. John Wesley. 2016. *Vyavasaya Saanketika parignanam mariyu yantra parikarala pradarsana*. **Vyavasayam.**
9. **S. Vishnu Vardhan**, B. John Wesley, S.V.S. Gopala Swamy, D. Sandeep Raja. 2016. *Mirapakayaklanu aarabetttutaku aadhuneekarinchina mirapa polyhouse dryer*. **Vyavasayam.**
10. SVS, Gopala Swamy **S**. **Vishnu Vardhan**, D. Sandeep Raja, B. John Wesley. 2016. *Aparaala niluva ku isukapora rakshana kavacham.* **Vyavasayam.**
11. SVS, Gopala Swamy, D. Sandeep Raja, **S**. **Vishnu Vardhan,** B. John Wesley. 2016. *Mamidi kaayalanu aasinche keetakaala nivaarana lo kotha ananthara charyala pramukhyatha*. **Agriclinic**
12. SVS, Gopala Swamy, B. John Wesley, D. Sandeep Raja, **S**. **Vishnu Vardhan.** 2016. *Niluva lo aahara dhaanyaala samrakshana*. **Padipantalu.**
13. SVS, Gopala Swamy, B. John Wesley, **S**. **Vishnu Vardhan,** D. Sandeep Raja**.** 2016. Prathithi lo gulabi rangu kaayalanu tholuchu purugu, panta ananthara uniki – nivarana. **Agriclinic.**
14. SVS, Gopala Swamy, **S**. **Vishnu Vardhan,** B. John Wesley, D. Sandeep Raja. 2016. *Vyavasaya vyarthaalanu podi chesi nela lo kalipe paddhathi.* **Vyavasayam**.
15. B. John Wesley, **S**. **Vishnu Vardhan,** SVS, Gopala Swamy. 2016. *Aadhuneekarinchina polyhouse solar dryer – Kshethra dinotsavam.* **Vyavasayam.**
16. D. Sandeep Raja, SVS, Gopala Swamy, **S**. **Vishnu Vardhan,** B. John Wesley . 2016. *Aahara empika lo glycemic index pradhanyatha*. **Vyavasayam.**

**2015**

17. **S. Vishnu Vardhan**, D. Bhaskara Rao, S.V.S. Gopala Swamy, R. Lakshmipathy, D. Sandeep Raja. 2015. *Vari dhaanyam aarapettu yantramu*. **Vyavasayam.**
18. A.Venkata Padma, D. Bhaskara Rao, **S. Vishnu Vardhan**, R. Lakshmipathy, D. Sandeep Raja, SVS Gopala Swamy. 2015. *Tomato utpaththulatho kuteera parishrama dwara merugaina aadayam*. **Agriclinic.**
19. *Mirchi ki rakshana kavacham*. 2015. Saakshi, Guntur District.
20. Madhava, SivalaKumar, D BhaskaraRao, **D D Smith**. Solar greenhouse dryer.Annadatha. March 2015. pp 42-43.
21. Madhava, SivalaKumar, D BhaskaraRao, **D.D Smith**. Vari dhanyanni endabette saura vidyut adharithaSolar greenhouse dryer. Annadatha. March 2015. pp 39-40.

## Technical Bulletins

| S.No. | Year | Title of the pamphlet / Folder |
|---|---|---|
| 1 | 2014 | *On-farm paddy dryer* |
| 2 | 2014 | *XI Plan Achievements (2007-2011)* |
| 3 | 2014 | *Kuteera parishrama ga putta godugula pempakam* |
| 4 | 2015 | *Mamidi kaayalanu aashinchu keetakamula yaajamanyam mariyu* |

| | | |
|---|---|---|
| | | *naanyatha pempunaku suchanalu* |
| 5 | 2015 | *Dhaanyapu giddangulalo elukala yajamanyam* |
| 6 | 2015 | *Melaina prakriyalatho nanyamaina pasupu thayaaree* |
| 7 | 2015 | *Vividha pantala kotha ananthara parignanam* |
| 8 | 2016 | *Aparaala processing dwara swayam upaadhi* |
| 9 | 2016 | *Aahara dhaanyala niluva lo samagra yajamaanyam* |
| 10 | 2016 | *Vari dhaanyam aarapettu yantramu* |
| 11 | 2016 | *Aparaala niluva ku rakshna pora kavacham* |
| 12 | 2016 | *Aadhuneekarinchina polyhouse solar dryer* |
| 13 | 2017 | *Vari – No worry* |
| 14 | 2019 | *Endu mirchi gothalalo thokke yantramu* |
| 15 | 2019 | *Value added products Finger and Foxtail millets – RTE Snacks* |

## Development of Videos of Process Machineries for Technology Transfer

- On- farm paddy dryer
- Mobile turmeric steam boiler
- Turmeric polisher
- Multipurpose polyhouse solar dryer
- Dried chillies compaction cum bagging unit

## Conferences Proceedings/Presentations

**a) Full length papers published**

1) Gopalaswamy SVS, John Wesley, B., **Vishnu Vardhan,** S. and Sandeep Raja,D. 2016. Effectiveness of Phosphine Fumigation in Controlling insect pests in a arice (Oriza sativa) storage warehouse. In: Navrrao,S, Jayas, DS, Alagusundaram, K, (Eds). Proceedings of the 10th International Conference on Controlled Atmosphere and Fumigation in Stored Products (CAF 2016), CAF Permanent Committee Secretariat, Winnipeg, Canada. PP :425-428

**2)** Ch.V.V. Satyanarayana and **S. Vishnu Vardhan. 2014.** Prospects of post harvest processing and value addition to enhance profitability of Indian Agriculture – A Review. Karnataka State Agricultural Engineers Conference, Raichur held at Raichur during 15-16, February 2014, P: 38-44.

**b) Abstracts published**

**1)** S.V.S. Gopala Swamy, **S.Vishnu Vardhan**, , D. Sandeep Raja, and B. John Wesley. 2018. Development of sand insulated bins for preservation of pulses seed at small scale. In: National Conference on Digital and Engineering Technologies for Precision Agriculture and Value Addition & Farm Engineering Expo – 2018, 26-27 January, 2018 held at College of Agricultural Engineering. P:159

**2)** D Sandeep Raja, S. **Vishnu Vardhan,** SVS Gopala Swamy and B. John Wesley. 2017. Debittering of Sweet Orange Juice by Inhibition of Bittering Enzyme LDLH by use of Certain Chemicals. In: XII Agri Science Congress held at GKVK, Bangalore during 21-24, February, 2017

**3)** **S.Vishnu Vardhan**, S.V.S. Gopala Swamy, D. Sandeep Raja, D. Bhaskara Rao, and B. John Wesley**.** 2016. Performance Evaluation of On-farm paddy dryer. In : National

Seminar on Trends in Farm Mechanisation and Engineering Interventions for Sustainable Agriculture, 19-20 January 2017 at Regional Agricultural Research Station Tirupati.

**4)** S.V.S. Gopala Swamy, **S.Vishnu Vardhan**, , D. Sandeep Raja, and B. John Wesley. 2016. Occurrence of Stored Insect Pests of Rice in Warehouses under Public Sector. In : National Seminar on Trends in Farm Mechanisation and Engineering Interventions for Sustainable Agriculture, 19-20 January 2017 at Regional Agricultural Research Station Tirupati.

**5)** S.V.S. Gopala Swamy, B. John Wesley, D. Sandeep Raja and **S.Vishnu Vardhan**. 2016. Feasibility of sand layer technique for small scale storage of pulse seed. National symposium on new horizon in pest management for Sustainable developmental goals held at Society for Plant Protection and Environment, Dept. of Entomology, OUAT, Bhubaneswar.

**6)** D Sandeep Raja, SVS Gopala Swamy, S. **Vishnu Vardhan** and B. John Wesley. 2016. Effect of storage on certain quality parameters of certain selected rice varieties. National conference on innovative and current advances in Agriculture and allied sciences held at PJTSAU, Hyderabad during 10-11 December 2016.

## Book Chapter

**Scope of Entrepreneurship Developments in Groundnut Processing (Chapter 10)**. In: Entrepreneurship Development in Food Processing. Edited by: Sudheer, K.P. and Indira, V. New India Publishing Agency, New Delhi. 187-213.

**Salient Achievements**

1. Successfully conducted campus interviews and placed about 20% of the final year students as on to date.
2. Procured equipment of State of the art like Texture Analyzer, Tensile strength tester, MAP (Danfos) equipment, Refrigeration tutor, Form-fill-seal machine, Thermos spectrophotometer, fiber analyzer, mini-extruder, Hunter colour Lab, etc.
3. Successfully offered B.Tech. Research Project work courses with the help of the above procured instruments and equipment.
4. Developed nineteen Process Technologies which are ready for commercialization
5. Conducted guest lectures on curricular and co-curricular subjects covering Food Technology, Food Engineering, Personality Development, Campus Recruitment Training, Communication Skills, etc.
6. Various products namely Malted Ragi flour, gavvalu, ribbons, Millet based Biscuits were standardized, processed and marketed.

7. ELPM- Cereals, Spices, Fruit & vegetable, Milk and meat processing modules successfully made a **profit of Rs.74,653/-.**
8. All students were attached to different Food Industries in the Region for STUDENT READY training programme
9. Training programme on "Value added products Finger and Foxtail millets – RTE Snacks" were conducted in March, 2019 for Farmers, Entrepreneurs and Housewives from various mandals of Kadapa district in which a good number of delegates participated and got trained.

**Technologies developed:**

1. Technology for MAP of Pomegranate Arils
2. Formulation of Sweet Orange Jelly
3. Technology for Ready to cook Curry Mix enriched with vegetable protein
4. Screening of Phytochemical and anti- microbial activity of leaf extracts of Ocimum spp
5. Technology for processing and preservation of citrus species for value added products
6. Technology for Natural Medicine for Diabetic from Bitter Gourd and Fenugreek
7. Process Technology for multipurpose energy mix
8. Process Technology for drying of okra
9. Process Technology for banana leather
10. Process Technology for raw mango pulihora mix
11. Process Technology for cakes from Composite Millet Flour and Unripe Banana Flour
12. Development of Multigrain breakfast Idly Mix
13. Process Technology for Probitization of Muskmelon Juice by Beneficial lactic Acid Bacteria
14. Technology for Processing of RTS Nannari Beverage
15. Monascus Pigment Production By Solid State Fermentation
16. Development of Value Added Biscuits By Incorporation of Pine Apple Pomace

17. Process Technology for Extraction of Fenu Greek (TrigonellaFoenumgraecum) Seeds Mucilage as clarifying Agent
18. Development of Multigrain Bread
19. Edible coating of Carrot with Aloe Vera gel

**6.5.2.4. Technical and Supporting Staff**

**Sanctioned strength of technical and supporting staff are given below:**

| S.No. | Name of the post | Sanctioned strength | In position |
|---|---|---|---|
| | **Technical & Supporting staff** | | |
| **1** | **Administrative Officer** | **1** | **1** |
| **2** | **Superintendent** | **1** | **1** |
| **3** | **Senior Assistant** | **4** | **1** |
| **4** | **Junior Assistants cum Typist** | **5** | **1+4*** |
| **5** | **Shelf Assistant** | **2** | **1+2*** |
| **6** | **Drivers** | **2** | **2*** |
| **7** | **Junior Library Assistant (JLA)** | **1** | **1*** |
| **7** | **Class IV (Office subordinates, Laboratory technicians and Helpers)** | **15** | **15*** |
| | **Total** | **32** | **5+23*** |

***Filled through outsourcing basis***

| S.No. | Name of the Dept | No. of lab technicians | Name of the technicians | Supporting staff |
|---|---|---|---|---|
| **1.** | Food Processing Technology | 1+2 | Mrs.Ganga Leela | Mr. Ravi, Mr. BashaSk |
| **2.** | Food Process Engineering | 1+2 | Mr. Lakshmi Narayana Reddy | Mrs. Sumathi, Mrs. Suguna |
| **3.** | Food Safety & QA | 1+2 | Mr. V. Ravindra Reddy | Mrs. Mastanamma, Mrs. Gowri |
| **4.** | Food Business Management | 1+2 | Mr.Naga Prasad | Mrs. S. Rameswari, Mr. Sudhakar |
| **5.** | Basic Engineering | 1 | Mr. Hussain Peera | |
| **6.** | Basic Sciences & humanities | 1 | Mrs. Rehmath Bee | |

**Supporting Staff:**

| S.No. | Sanctioned | in place | Name of the staff |
|---|---|---|---|
| 1. | Administrative Officer | 1 | Mr. Sk. Azmathullah |
| 2. | Superintendent | 1 | Mr. Y.S. LingaMurty |
| 3. | Senior Assistants | 2 | Mr. K. Munirathnam& Mr. V. Ravi Kumar |
| 4. | Shelf Assistant | 2 | Mrs. Kavitha, P<br>Mr. Mallikharjuna Reddy |

| | | | |
|---|---|---|---|
| 5. | JLA | 1 | Mrs. Sudha Rani |
| 6. | Class IV | 1 | Mr. Rama Chandra Reddy |

**Other staff:**

| S.No. | Name of the dept | No. of Supporting staff | Name of Supporting staff |
|---|---|---|---|
| **1.** | Watch & ward | 6 | Mr. Ankalreddy, Mr. Nagireddy, Mr. Anji, Mr. ChinnaVeeraiah, Mr. Sreenivasulu, Mr. Mohan Reddy |
| **2.** | Field | 4 | Mr.Narayana, Mr.HP Reddy, Mr. Veeraiah, Mr. Mallanna |
| **3.** | Drivers | 2 | Mr. Naga Subba Reddy, Mr. Veeraiah |
| **4.** | Class IV | 3 | Mrs. Anitha, Mr. P. Chandra and Mrs.J. Lakshmi Devi |

### 6.5.3. Learning resources:

#### 6.5.3.1 College Library (Digital)

The working hours of the Library is from 9:30AM to 4:00PM with lunch break from 12:30 to 1:00PM. The Library is very easily accessible both to the students and staff. It is located within the main building of the college with a floor space of 3,200 sq ft. (50 X 64 ft).The Library serves the students and staff of College of Food Science and Technology, Pulivendula with volume of 400 books, 49 Journals including foreign published journals, 15 Magazines (both English & Telugu), 41 Research Projects Reports, 58 Seminars and Industrial Training Reports.

The books are stocked in iron racks with proper book stoppers at both ends. Some books are placed in glass door racks with lock and key provision. The students can see the books through and request for issue.

The books are issued through KOHA server and the user services are through computer. The issues are through computer automation.

The journals and magazines are displayed on respective wooden display racks along with provision to access to the back volumes or issues.



**Fig.2. College Library Books Issued Using KOHA Server**



**Fig.3. College Digital Library**

Further, Digital Library equipped with 15 Desktop Computer and Internet broadband facility provided for both students and staff. Alternatively, sim based internet is also in operation for uninterrupted access. Scanner, printer and reprographic services are available for the students on payment basis. The details of books, journals purchased and utilization pattern of library services for the past 5 years is presented in Table 3 and list of journals subscribed presented in Table 4.

**Table 3. Books, journals purchased and utilization of library services during last 5 years**

| Year | No of Books Purchased | No. of Journals purchased | No of Books Issued | Visitors | Utilization e-resources Services | Income Generated |
|---|---|---|---|---|---|---|
| 2019-20 | 65 | 20 | 2073 | 6311 | 1548 | 51,409=00 |
| 2018-19 | 113 | 30 | 2221 | 10788 | 1000 | 44,558=50 |
| 2017-18 | 72 | 69 | 1999 | 12278 | 331 | 32,444=00 |
| 2016-17 | 76 | 23 | 1916 | 9879 | 840 | 41,275=50 |
| 2015-16 | Nil | 02 | 2511 | 10080 | 432 | 17,094=00 |
| 2014-15 | 428 | 03 | --- | --- | --- | --- |
| Upto 2013-14 | 2020 | --- | --- | --- | --- | --- |

**Table 4. Infrastructure available in Library**

| S. No | Name of the Article | No. of Items |
|---|---|---|
| 1 | **2** | **3** |
| 1 | Periodical Display Racks | 03 |
| 2 | Reading Chairs | 56 |
| 3 | Open Racks | 02 |
| 4 | Glass Door Almeria (4+2) | 06 |
| 5 | Reading Tables | 08 |
| 6 | Godrej T-8 Table | 02 |
| 7 | Godrej Insight Table | 06 |
| 8 | Godrej Computer Table | 15 |
| 9 | White Boards for display | 02 |
| 10 | Godrej PCH 7101 R Chair | 29 |
| 11 | PCH Chair | 08 |
| 12 | Aluminums Doors | 02 |
| 14 | Cannon Copier | 02 |
| 15 | Air Conditioners | 02 |
| 16 | Numeric 2KVA online UPS | 03 |
| 17 | Computers | 15 |
| 18 | Double Faced Library Rack Main | 03 |
| 19 | Sparkle Table | 01 |
| 20 | Stella Chairs | 27 |
| 21 | Voltas Stainless Steel Water Cooler | 02 |
| 22 | Aluminums Ladder | 01 |
| 23 | Notice Boards | 03 |
| 24 | Vacuum Cleaner | 01 |

| | | |
|---|---|---|
| 27 | Godrej Amingo Chairs | 07 |
| 29 | Godrej 4 Door Book Case | 13 |
| 30 | Godrej Premium Lounge (Two Seater) | 03 |
| 31 | Canon LBP -6300 DN Printer | 01 |
| 32 | Canon Scan 9000F Scanner | 01 |
| 33 | Iron Stool | 04 |
| 34 | Executive Chair | 01 |
| 35 | Spiral Binding Machine | 01 |
| 36 | Accession Register | 03 |
| 37 | Book Stoppers | 200 |
| 39 | Lenovo Server | 01 |

**Table 5. List of Journals subscribed during last 5 years**

| S.No | Name of the Journal | 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 | 2014-15 |
|---|---|---|---|---|---|---|---|
| **1** | Aaharam Arogyam | -- | -- | √ | -- | -- | -- |
| **2** | Agri Business and Food Industry | √ | √ | √ | √ | -- | -- |
| **3** | Agriculture &Industry Survey | √ | √ | √ | √ | -- | √ |
| **4** | Andhra Pradesh journal of Agricultural Science | √ | √ | √ | √ | -- | -- |
| **5** | Annadata(Telugu) | √ | √ | √ | √ | -- | -- |
| **6** | Antarpantalu | -- | √ | √ | -- | -- | -- |
| **7** | Asian Journal of Dairy and Food Research | √ | √ | √ | √ | -- | -- |
| **8** | Beverage & Food World | √ | √ | √ | √ | √ | √ |
| **9** | Chapalu Upadhi | -- | √ | √ | -- | -- | -- |
| **10** | Chirudanyalu | -- | -- | √ | -- | -- | -- |
| **11** | Chirudanyalatho 50 Vantakalu | -- | √ | √ | -- | -- | -- |
| **12** | European Journal of Biotechnology and Bioscience | -- | √ | √ | -- | -- | -- |
| **13** | Food Marketing and Technology | √ | √ | √ | √ | -- | -- |
| **14** | Food Science Research Journal | √ | √ | √ | √ | -- | -- |
| **15** | Go Sanjeevani | -- | √ | √ | -- | -- | -- |
| **16** | Indian Food Industry | √ | √ | √ | -- | -- | √ |
| **17** | Indian Food Packer | √ | √ | √ | √ | | |
| **18** | Indian Journal of Agriculture & Food Science Technology | √ | √ | √ | √ | -- | -- |
| **19** | Indian Journal of Business, Economics, Finance and | -- | √ | -- | -- | -- | -- |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Management Sciences | | | | | | |
| **20** | Indian Journal of Dairy Science | √ | √ | √ | √ | -- | -- |
| **21** | Indian Journal of Enterpreneurship and Small Business | -- | √ | -- | -- | -- | -- |
| **22** | Indian Journal of Food Legumes | -- | -- | -- | -- | √ | -- |
| **23** | Indian Journal o fHeat and Mass Transfer | -- | √ | -- | -- | -- | -- |
| **24** | International JL of Food Science and Nutrition | √ | √ | √ | √ | -- | -- |
| **25** | International Journal of Research in Advanced Engineering and Technology | -- | √ | √ | -- | -- | -- |
| **26** | International Journal of Agriculture and Food Science Technology | √ | √ | √ | √ | -- | -- |
| **27** | Journal of Environmental Biology | -- | √ | √ | -- | -- | -- |
| **28** | Journal of Food Science and Technology(National) | √ | √ | √ | √ | -- | -- |
| **29** | Kalupu yajamanyam | -- | √ | √ | -- | -- | -- |
| **30** | Kowlu Rithu | -- | √ | √ | -- | -- | -- |
| **31** | Krishi Vignanam | -- | √ | √ | -- | -- | -- |
| **32** | Misramalu Kashayalu | -- | √ | √ | -- | -- | -- |
| **33** | Neeti Chinukulu Rythu Vetalu | -- | √ | √ | -- | -- | -- |
| **34** | Packaging India | √ | √ | √ | √ | -- | -- |
| **35** | Pasugana Yajamanyam | -- | √ | √ | -- | -- | -- |
| **36** | Pasunestham | √ | √ | √ | √ | -- | -- |
| **37** | Pathi Mirapa Sagu | -- | √ | √ | -- | -- | -- |
| **38** | Pattana Veyvesayam | -- | √ | √ | -- | -- | -- |
| **39** | Phodhota | --- | √ | √ | -- | -- | -- |
| **40** | Prakruthi Nestham | √ | √ | √ | √ | -- | -- |
| **41** | Prakruthi Veyvasayam | | √ | | | | |
| **42** | Prasugrasalu | -- | √ | √ | -- | -- | -- |
| **43** | Processed Food Industry | -- | √ | √ | √ | -- | -- |
| **44** | Raithu Nestham(T) | √ | √ | √ | √ | -- | -- |
| **45** | Samgra Padi Parisrama | -- | √ | √ | -- | -- | -- |
| **46** | Swedavedam | -- | √ | √ | -- | -- | -- |
| **47** | The Indian Journal of Nutrition and Dietetics | √ | √ | √ | √ | | |
| **48** | The Journal of Research ANGRAU | √ | √ | √ | -- | -- | -- |
| **49** | Vari,Aparalu,Prathi,Mirapa Pantallo Sasya Rakalu | -- | √ | √ | -- | -- | -- |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **50** | Vyavasayam(T) | √ | √ | √ | √ | -- | -- |
| **51** | Yojana(E) | √ | √ | √ | -- | -- | -- |

√ indicates the Journal available in Library

**Staff position in Library**

**a) Total Strength of Staff : 04**

| Designation | Sanctioned | In-position |
|---|---|---|
| **1. JLA** | 01 | 1 |
| **2. Shelf Asst.** | 02 (Regular) +01 | 1+2* |
| Total | 04 | 1+3* |

***Filled through outsourcing basis**

**b) Details of Staff**

| S. No. | Designation | Name | Sanctioned/Out source | Qualifications |
|---|---|---|---|---|
| **1.** | Junior Library Assistant | 1.R.Sudha Rani | Out Source | M.A.,M.Li.Sc., |
| **2.** | Shelf Assistant | 1.P.Kavitha | Sanctioned | M.A., M.Li.Sc.,M.Phil., A.P.SET |
| | | 2.S.Mallikarjuna Reddy | Out Source | B.Sc., C.Li.Sc., |
| | | 3.U.Rahamath Bee | Out Source | M.A., M.Ed., M.Li.Sc., |

**6.5.3.2. Laboratories, Instructional farm, Workshops, etc.:**

There are nine number of Laboratories namely, Food Technology, Food Engineering, Food Chemistry, Food Microbiology, workshop, Basic engineering, Computer Lab, English Language Lab and instructional farm. Basic utilities like water, energy, gas and amenities like work benches and stools are provided in the labs. Blackboards are added to improve teaching by the teachers and grasping by the students.

The Food Technology lab is a well-lit and ventilated spacious one with a floor space of 1800 sq.ft. (60 X 30 ft). There are four work benches, wash basins with running water to facilitate ease of doing practical classes. All practical classes of Food technology departmental courses are being conducted in this Lab. The Lab also supports ELPM product formulations, processing and packaging and most of the time it is occupied as the practical is conducted in two batches for better attention and

supervision by the teachers. It houses equipment like planetary mixer, dough kneader, mini-extruder, gas fired oven, tray drier, mixers, grinders, refrigerator, micro ovens, weighing balances, deep freezers, MAP equipment (Danfos), etc.



**Fig. 4. Food Technology Laboratory**

The Food Engineering lab is a well-lit and ventilated spacious one with a floor space of 1800 sq .ft. (60 X 30 ft). The lab is facilitated with enough work benches for the comfortable learning by students. All practical classes of Food Process Engineering departmental courses are being conducted in this Lab. The Lab also supports ELPM product processing and packaging and most of the time it is occupied as the practical is conducted in two batches for better attention and supervision by the teachers. It houses equipment like texture analyzer (Brookfields), Bursting strength tester, LVDTtrainer, Water level control by PLC, Pressure transducer, dielectric constant, temperature transducer trainer, grain dryer, refrigeration tutor, tray dryer, solar dryer, freeze dryer, refrigerator, micro ovens, weighing balances, Rotameter, Reynolds number equipment, weirs, pump characteristics, etc.



**Fig 5. Students conducting practical in Food Engineering Laboratory**

The Food Quality Assurance Lab is a well-lit and ventilated spacious one with a floor space of 1800 sq.ft. (60 X 30 ft). All practical classes of Food Chemistry related courses of Food Safety & Quality Assurance department are being conducted in this Lab. The Lab also supports ELPM product analysis in terms energy and proximate composition and nutritional profile, etc., and most of the time it is occupied as the practical is conducted in two batches for better attention and supervision by the teachers. It houses equipment like protein analyzer (Pelican), Kjeldahl apparatus, Soxhlet apparatus (Pelican), spectrophotometer, photo fluorometer, etc.



**Fig 6. Students working in Quality Assurance Laboratory**

The Food Safety Lab is a well-lit and ventilated spacious one with a floor space of 1800 sq.ft. (60 X 30 ft). The lab is facilitated with enough work benches for the comfortable learning by students. All practical classes of Food Microbiology related courses of FSQA department are being conducted in this Lab as per the FSSAI standards. The Lab also supports ELPM product analysis in terms quality and safety and most of the time it is occupied as the practical is conducted in two batches for better attention and supervision by the teachers. It also houses equipment like laminar airflow chamber, fully automated autoclave, bag mixer (Inter science, France), ultra centrifuge, double beam UV visible spectrophotometer (Thermo fischer), 400X fluorescent microscope, etc.



**Fig 7. Students working in Food Safety Laboratory**

The workshop is a well-lit and ventilated spacious one with a floor space 1,100 sq.ft. (25 X 44 ft.) and lay out amidst green fields. All practical classes of workshop engineering course is being conducted in this Lab. it is occupied as the practical is conducted in two batches for better attention and supervision by the teachers. It houses tools &equipment like bench vice, jackplane, chisels, hammers, saws, carpentry tools, black smithy tools, calipers, gauges, scribes, soldering iron, etc.



**Fig.8. Workshop sheds**

The Computer Lab is facilitated in a well-lit, spacious and air conditioned one with a floor space of 1800 sq .ft. (60 X 30 ft) and false roofing to reduce the cooling load. The Lab is provided with 25 numbers of desktop systems. The ICT course is being conducted in this lab besides some basic courses of computers like C language for computing. These computers run heavy software like MATLAB, ANSYS, CFD, LabView as a part of curriculum.



**Fig. 9.Computer Laboratory**

The English Language Lab is also proposed to be conducted in the same space as computer Lab is conducted but, with software like k-Van for communicative skills, writing skills, presentation skills and inter personal skills.

The instructional farm is of an acre and is used to raise horticultural crops such as tomato, brinjal and chilly. The college farm is facilitated with a tractor, seed drill, etc. In every practical class, the students are made to soil their hands i.e. to work with their own hands with every instrument, tool and equipment available in every lab.

### 6.5.3.3. Student READY/ In-Plant Training / Internship / Experiential Learning Programmes:

The college offers six number of student READY courses. The students will be attached to all the teachers available in the college. This means, increased supervision and concentration on every student. The students are being subjected to prepare synopsis for the seminar and prepare the research project report with the guidance of teacher attached.

In In-plant training student READY course, the students are being deputed to the respective allotted food industry where the student is required to stay in the industry for a period of 4 months. The student is subjected to work in different departments such as procurement, processing, quality control, packaging, etc. to gain practical knowledge and experience.

The following is the list of different food industries attended by the students during the year 2018-19. In a similar manner, all the final year students were sent to undergo in-plant training every year and were paid the stipend as per ICAR.

**Table 6. Food Industries offering In-plant training to the students during 2018-19**

| S.No. | Name of the industry | Name of the student |
|---|---|---|
| 1 | M/s.Heritage Foods Limited<br>Bayyavaram Milk Plant<br>Bayyavaram village<br>Kasimkota Mandal<br>Via: Anakapalli<br>Visakhapatnam Dist. A.P. | Ms. M.Ramalakshmi |
| 2 | M/s.National Collateral Management Services Ltd.<br>Team Towers, 3rd-6th Floor<br>Plot No. 'A'-1/2/A - Industrial Park,<br>IDA -Uppal,<br>Hyderabad – 500 039,<br>Telangana State. | Ms.K.Naga Bhavya<br>Ms.D.Kavyamala<br>Mrs.M.Vandana<br>Ms.B.Sudha Rani<br>Ms.G.Lavanya |
| 3 | M/s.The Himalaya Drug Company<br>Makali, Bengaluru<br>PIN: 562 162, India | Ms. S.Pavana Deepthi |

| | | |
|---|---|---|
| **4** | M/s.Glaxo Smithkline Consumer Health Care Ltd,<br>Industrial Area, Dowlaiswaram,<br>Rajahmundry – 533 124<br>Andhra Pradesh State. | Ms. K.Jnana Prasoonambika |
| **5** | M/s.Vijaya Dairy<br>Venkateshwarapuram flyover<br>Padugupadu, Venkateshwarapuram<br>Nellore District. A.P. PIN: 524 005 | Ms. A.Madhuri |
| **6** | M/s.The Global Green Group<br>Venktapur Village,<br>Kohir Mandal<br>Medak District. PIN: 502 321<br>Telangana State. | Ms.B. Ganga Bhavani<br>Ms.S.G. Jyotsna<br>Ms.V.Srivani<br>Mr.P.Kalyan |
| **7** | M/s.Olam Agro India Pvt. Ltd.<br>Cashew Division - Edible Nuts<br>Visakhapatnam, Andhra Pradesh | Ms. R.Preethi |
| **8** | M/s.Telangana Foods (Formerly A.P. Foods) IDA,<br>Nacharam,<br>Hyderabad – 500 076<br>Telangana State. | Ms.N.Usha Rani<br>Ms.S.Mounika<br>Ms.K.Roopa |
| **9** | M/s.The Krishna District Milk Producer's<br>Mutually Aided Co-op Union Ltd.,<br>Milk Products Factory,<br>Vijayawada – 520 009<br>Krishna District. A.P. | Ms.Ch.Kavitha<br>Swarupa Rani<br>Ms.B.Mastani |
| **10** | M/s.Sumeru Innovative Foods Limited<br>Survey No. 20 & 21,<br>Srini Food Park, Mogili village,<br>Bangarupalem Mandal,<br>Chittoor – 517 429,<br>Andhra Pradesh | Mr. M.Mahesh Babu |
| **11** | M/s. Pepsico India Holding Pvt. Ltd.<br>34 KM stone, NH 4,<br>Village TeppadaBegur<br>Nelamangala, Bangalore Rural- 562 123 | Mr. P.Dharmendra |

**Four ELPM modules** were success fully organized by the students and staff in the College of Food Science & Technology, Pulivendula during 2018-19.

1. Cereal Processing Module (Director Mrs.R. Aruna, Assistant Professor)
2. Fruit & Vegetable Processing Module (Director Er.Srikanth, Assistant Professor)
3. Spices Processing Modules (Director Mrs. Aruna Kumari, Assistant Professor)
4. Milk and meat Processing Module (Director Dr. M. Sardar Baig, Associate Professor)



**Fig. 10A.Spice Powders**



**Fig. 10B.Malaia Laddoo**



**Fig. 10C.Potato Chips**



**Fig. 10D.Flavoured Milk**

**Fig.10.Pictures of a few Food Products manufactured by the ELP Modules**

**Table 7. Profits made through ELPM Programme during 2018-19:**

| Sl.No. | Name of the Unit | No of Students in the unit | Products | Profit (Rs.) |
|---|---|---|---|---|
| 1. | Milk and Meat products | 7 | Packed Malai laddu, Chicken Pickle, Badam milk, and Custard | 28,081/- |
| 2. | Spices processing | 8 | Packed Spice powders, Turmeric powder and Puligore mix | 20,950/- |
| 3. | Fruits and Vegetable processing | 8 | Packed Potato chips, Dry fruit laddu, and Aloosev and PET bottled sweet orange Juice | 12,462/- |
| 4. | Cereal processing | 8 | Packed Wheat Shells (Hot), Ravvaladdu, and Sunniundallu | 13,160/- |

| | | |
|---|---|---|
| | 31 | **74,653/-** |

**Table 8. Profits made through ELPM Programme during 2017-18**

| Sl.No. | Name of the Unit | No of Students in the unit | Products | Profit (Rs.) |
|---|---|---|---|---|
| 1. | Milk and Meat products | 6 | Packed Malai laddu, Chicken Pickle, Badam milk, and Custard | 34,359/- |
| 2. | Spices processing | 7 | Packed Spice powders, Turmeric powder and Puligore mix | 24,905/- |
| 3. | Fruits and Vegetable processing | 5 | Packed Potato chips, Dry fruit laddu, and Aloosev and PET bottled sweet orange Juice | 24,002/- |
| 4. | Cereal processing | 7 | Packed Wheat Shells (Hot), Ravvaladdu, and Sunniundallu | 16,500/- |
| | | 25 | | **99,766/-** |

**Table 9. Profits made through ELPM Programme during 2016-17**

| Sl.No. | Name of the Unit | No of Students in the unit | Products | Profit (Rs.) |
|---|---|---|---|---|
| 1. | Milk and Meat products | 5 | Packed Malai laddu, Chicken Pickle, Badam milk, and Custard | 27,774/- |
| 2. | Fruits and Vegetable processing | 5 | Packed Potato chips, Dry fruit laddu, and Aloosev | 17,267/- |
| 3. | Cereal processing | 5 | Packed Wheat Shells (Hot), Ravvaladdu, and Sunniundallu | 17,105/- |
| | | 15 | | **62,146/-** |

**Table 10. Profits made through ELPM Programme during 2015-16**

| Sl.No. | Name of the Unit | No of Students in the unit | Products | Profit (Rs.) |
|---|---|---|---|---|
| 1. | Milk and Meat products | 9 | Packed Malai laddu, Chicken Pickle, Badam milk, and Custard | 28,081/- |
| 2. | Spices processing | 10 | Packed Spice powders, Turmeric powder | 20,950/- |
| 3. | Fruits and Vegetable processing | 9 | Packed Potato chips, Dry fruit laddu, and Aloosev | 12,462/- |
| | | 28 | | **61,493/-** |

**Table 11. Profits made through ELPM Programme during 2014-15**

| Sl.No. | Name of the Unit | No of Students in the unit | Products | Profit (Rs.) |
|---|---|---|---|---|
| 1. | Milk and Meat products | 7 | Packed Malai laddu, Chicken Pickle, Badam milk, and Custard | 15,613/- |
| 2. | Spices processing | 6 | Packed Spice powders, Turmeric powder and Puligore mix | 15,190/- |
| 3. | Fruits and Vegetable processing | 7 | Packed Potato chips, Dry fruit laddu, and Aloosev and PET bottled sweet orange Juice | 18,010/- |
| | | 20 | | **48,813/-** |

The profit realized through all four ELP modules were shared among the students and directors as following:

| S. No. | Persons | % of share of profit |
|---|---|---|
| 1. | Students | 40% |
| 2. | Director | 10% |
| 3. | University/College | 50% |

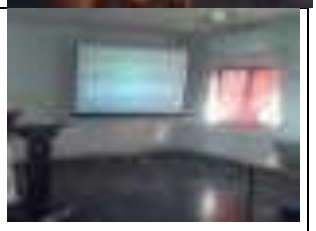
**6.5.3.4. Curricula Delivery Through IT (smart class rooms/interactive board etc.):**

Right now the curriculum is delivered through power point presentations. Every class room is provided with internet connection. Plans are being prepared for installation of smart class rooms and interactive board.

### 6.5.4. Student Development:

The college encourages the overall development of the students in curricular, co- curricular and extra- curricular activities to help in building the career in food & allied sectors.

**Table 8. Curricular activities during 2018-19:**

| Sl.No. | Date | Occasion/Topic/Event | Guest speaker | Plate |
|---|---|---|---|---|
| 1. | 28-11-2018 | Conducted guest lecture on **Meat and meat products** by Dr.G.VijayaBhaskar Reddy at College of Food Science and Technology, Pulivendula. | Dr. G.VijayaBhaskara Reddy, Asst. Prof & Head, S.V. Vety. College, SV **Veterinary University** Tirupati |   |
| 2. | 05-12-2018 | Conducted guest lecture on **Cereals and Millets - Products** at College of Food Science and Technology, Pulivendula. | Smt. T.Swarnalatha, Nutritionist, SMS, **KrishiVigyan Kendra, Kadapa** |  |
| 3. | 23-01-2019 | Conducted a guest lecture on **Handling and Storage of Food Grains** at College of Food Science and Technology, Pulivendula. | Dr.Sivala Kumar Associate Dean (Rtd.) **Dr.NTR College of Food Science & Technology, ANGRAU, Bapatla** |  |
| 4. | 24-01-2019 | Conducted a guest lecture on **Post-Harvest Processing and Value Addition** at College of Food Science and Technology, Pulivendula. | Dr.Sivala Kumar Associate Dean (Rtd.) Dr.NTR College of Food Science & Technology, Bapatla |  |
| 5. | 31-01-2019 | Guest lecture delivered on "**Applications of Membrane Processing**" by Dr. Ch.V.V.Satyanarayana, Professor & Univ. Head (Food Engineering), NTR CFST, Bapatla. | Dr. Ch.V.V. Satyanarayana, Professor & Univ. Head (Food Engineering), Dr. NTR College of Food Science & Technology, ANGRAU, Bapatla. | |

| | | | | |
|---|---|---|---|---|
| 6. | 02-03-2018 (Forenoon) | Conducted a guest lecture on **Agricultural Marketing and Marketing Strategies** at College of Food Science and Technology, Pulivendula. | Dr. T.N.Venkat Reddy, Associate Professor (Retd.), **GKVK, Bangalore** |  |
| 7. | 02-03-2018 | Conducted a guest lecture on **Supply chain and Business Opportunities in Agribusiness** at College of Food Science and Technology, Pulivendula. | Dr. T. N. Venkat Reddy, Associate Professor (Retd.), GKVK, Bangalore |  |

**Industrial Training Visits (Class tours) during 2018-19:**



**Fig. 11.Visit to Sugar Processing Plant**



**Fig. 12. Visit to Noodles Plant**



**Fig. 13.Visit to Sugar Plant**



**Fig. 14. Visit to Dairy Plant**

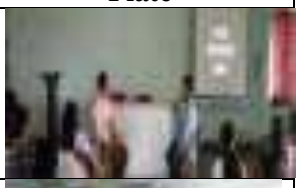





**Fig 15.Inspection of students work at Industrial Training by Faculty**

## Co-Curricular Activities during 2018-19:

**Table 8. List of Guest Lecture organized during the year 2018-19**

| Sl.No. | Date | Occasion/Topic/Event | Guest speaker | Plate |
|---|---|---|---|---|
| 1 | 01-08-2018 | Guest lecture on **"Personality Development skills, Soft skills & Communication skills"** | Dr.M.Sambaiah, Asst.Prof & Head of Humanities, **Jawaharlal Nehru Technological University**, Pulivendula. |  |
| 2 | 25-08-2018 | Guest lecture on " **Campus Recruitment Training Session-I**" | Dr.M.Sambaiah, Asst. Prof & Head of Humanities, Jawaharlal Nehru Technological University, Pulivendula |  |
| 3 | 25-08-2018 | Guest lecture on **" Campus Recruitment Training Session-II**" | Dr.M.Samba.iah, Asst.Prof & Head of Humanities, Jawaharlal Nehru Technological University, Pulivendula |  |
| 4 | 27-10-2018 | Guest lecture on "**Communication skills and spoken English"** | Dr.M.Sambaiah, Asst.Prof& Head of Humanities, **Jawaharlal Nehru Technological University**, Pulivendula | |
| 5. | 29-03-2019 | Conducted a guest lecture on "**Attitude Building and Right Attitude**" by Fr.T.AmalaArokya Raj, S.J. Principal, Loyola Degree College YSRR, Pulivendula. | Fr.T.Amala Arokya Raj, S.J. Principal, Loyola Degree College YSRR, Pulivendula. |  |
| 6. | 01-04-2019 | Conducted a guest lecture on "**Goal setting and Time Management**" by Fr.T.Amala Arokya Raj, S.J. Principal, Loyola Degree College YSRR, Pulivendula. | Fr.T.AmalaArokya Raj, S.J. Principal, Loyola Degree College, Pulivendula. |  |

**Extra-Curricular Activities:**

**Awards/ Prizes secured during III phase Sports & Games**

| S.No. | Name of the student | Name of the Event | Merit | Venue of the event | Plate |
|---|---|---|---|---|---|
| 1 | Mr.G.Ranjith | Javelin | First Place | III Phase S.V. Agricultural College,Tirupati |  |
| 2 | Mr.G.Ranjith | Discuss Throw | First Place | III Phase S.V. Agricultural College,Tirupati |  |
| 3 | Mr.G.Ranjith | Shout Put | Second Place | III Phase S.V. Agricultural College, Tirupati |  |
| 4 | Mr.K.Naveen Kumar | High Jump | Second Place | IIII Phase S.V. Agricultural College, Tirupati | |

**Awards/ Prizes secured during II phase Sports & Games**

| S.No. | Name of the student | Name of the Event | Merit | Venue of the event | Plate |
|---|---|---|---|---|---|
| 1 | Mr.L.D.Rami Reddy&Ashok | Caroms | Second | II Phase Agricultural College, Naira |  |

| | | | | | |
|---|---|---|---|---|---|
| 2 | Ms.J.Sindhu | High Jump | First Place | II Phase Agricultural College, Naira |  |
| 3 | Ms.G.Shireesha Kumari | Discuss Throw | First | I Phase Agricultural College, Bapatla |  |

**Table 9. Observation of important National Days & Events during 2018-19**

| S. No. | Date | Event | Plate |
|---|---|---|---|
| 1. | 07-11-2018 | Celebrated 118th birth anniversary celebrations of **Acharya N.G. Ranga** |  |
| 2. | 26-08-2019 | Conducted **Anti ragging campaign class** |  |
| 3. | 16-10-2018 | Celebrated **World Food Day 2018**College felicitated three farmers |  |

| | | | |
|---|---|---|---|
| 4. | 26-11-2018 | Celebrated **Constitution of India Day 2018** |  |
| 5. | 06-12-2018 | **Death anniversary of** Noble Architect of our Indian Constitution**, Dr. B.R. Ambedkar** was observed |  |
| 6. | 18-01-2019 | **Pariksha Pe Charcha 2.0** – An interaction of Hon'ble PM Sri **NarendraModi** with students live telecast program |  |
| 7. | 30-04-2019 | **Student-Teacher Council** meeting were conducted regularly |  |
| 8. | 22-04-2019 | Road safety week and awareness and **Driving Licence Mela** was organized |  |
| 9. | 26-02-2019 | Candle light rally was taken as a mark of respect to the departed souls of **CRPF Jawans** in Pulwama incident. |  |

| | | | |
|---|---|---|---|
| 10. | 22-20-2019 | Freedom fighter **Sri VuyyalawadaNarasimha Reddy's** death anniversary |  |
| 11. | 16-03-2019 | Conducted 118th birthday celebrations of **Amarajeevi Sri PottiSriramulu** |  |
| 12. | 28-03-2019 | Observed **Padmasri Puttaparthi Narayana charyulu birth Anniversary** |  |

### 6.5.4.1. Student Intake and Attrition

The following is table showing the attrition of students from the college for the last five years:

**Table 10. Attrition of students during the last five academic years**

| Name of the degree programme | Actual student admitted in the last five years | | | | | Attrition (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **B.Tech (Food Tech.)** | Y1 15-16 | Y2 16-17 | Y3 17-18 | Y4 18-19 | Y5 19-20 | Y1 15-16 | Y2 16-17 | Y3 17-18 | Y4 18-19 | Y5 19-20 |
| | 31 | 36 | 20 | 37 | 46 | 22.50 | 5.14 | 20.00 | 16.20 | 20.00 |

### 6.5.4.2. Average Number of Students in Theory and Practical Classes:

The average number of students per class during Theory and Practical classes is shown below.

**Table 11. Average number of students in Theory and Practical classes**

| S.No. | Name of the Degree Porgramme | Batch of students in theory class | Batch of students in practical class |
|---|---|---|---|
| 1. | B.Tech. (Food Tech.) I year during year 2018-19 | 44 | 22 |
| 2. | B.Tech. (Food Tech.) II year during year 2018-19 | 31 | 15/16 |
| 3. | B.Tech. (Food Tech.) III year during year 2018-19 | 16 | 16 |
| 4. | B.Tech. (Food Tech.) IV year during year 2018-19 | 31 | 15/16 |
| | **Average** | **35** | **17** |

**6.5.4.3. Admission Process:**

The admissions are made purely on merit basis. The Govt. of Andhra Pradesh conducts entrance examination for admissions into different degree programmes including Engineering, agriculture, horticulture, veterinary, etc., (APEAMCET). The admissions are made on the ranks obtained in the said examination. Both the streams of biology and mathematics are eligible for admission into B. Tech. (Food Technology).

**Eligibility:**

| **Admission to Indian Students** | |
|---|---|
| **Specialization** | **Eligibility Criteria** |
| Food Technology | **Qualifying exam:**<br>AP EAMCET<br>Class 12 with MPC or BIPC from a recognized board |

**Admission Procedure for M.P.C Candidates:**

**For Farmers Quota of M.P.C**

The seats are reserved for candidates coming from families of Agriculturists (Farmers) owing not less than 1 acre of land either in the name of the parents or in the name of the candidates and who have studied for a minimum of 4 years in schools located in Non Municipal areas. Here only 40% seats for B.Tech. (Food Technology) in ANGRAU and under Farmers quota will be filled up by ANGRAU calling for applications through this notification and through open manual counseling.

**For Non Farmers Quota of M.P.C Candidates:**

The admission into the remaining 60% seats of ANGRAU will be taken up by the Convenor, AP EAMCET 2019 through Web based General Engineering

Counseling. The candidates are requested to make Web options during General Engineering Counseling.

**For Bi.P.C Candidates:**

The students are admitted into **B.Tech (Food Technology)** except based on their performance in the state level Common Entrance Test (EAMCET) conducted during the year of admission by the AP Sate Council of Higher Education, Government of Andhra Pradesh.. The University shall invite applications from eligible candidates through notification in some of the leading news papers generally in the month of June (G.O.Ms.No.184, dated 20-08-1993 of Education (E.C.2) Department).

**Age**:

The candidates for admission into First Year Under Graduate courses in the University shall be required to have completed 17 years of age as on 31st December of the year of admission with an upper age limit of 22 years for all the candidates, 25 years in case of SC and ST candidates and 27 years for Physically challenged.

The eligible candidates shall be required to attend counseling in person perusing as per the notification in the Newspapers and be admitted to different U.G Programme **B.Tech (Food Technology)** depending on their individual merit as determined by the rank' obtained in EAMCET following the presidential order (Regional allotment), the rule of reservation as per orders of the Government of Andhra Pradesh.

**Fee Structure and Payment:**

**Fee to be paid by each candidate at the time of admission for first semester during 2019-20)**

| Particulars | Rs. |
|---|---|
| Tuition Fee | 4,500 |
| Other Special Fee | 8,250 |
| Library Deposit**(Refundable)** | 1,200 |
| Laboratory Deposit **(Refundable)** | 1,200 |
| Hostel Deposit **(Refundable)** | 4,500 |
| Mess Advance **(Refundable)** | 4,500 |
| Hostel Establishment Charges | 3,600 |
| Hostel Room Rent | 1,200 |
| **Seat cancellation fee** | 2,600 (1,300 for SC/ST/PH) |

Academic calendar will be given by the university at the time of registration of the First year course work as provided below.

**ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY**
ADMINISTRATIVE OFFICE : LAM : GUNTUR 522034 : ANDHRA PRADESH

Memo. No. 9002/EXAMS/ 2019 Dt. 05 -11-2019

Sub: ANGRAU – B. Tech (Food Technology) - Academic calendar for First Year - First Semester 2019-20 & First, Second, Third and Fourth years – Second Semester 2019-20 – Approved and communicated – Regarding

Ref: University memo No. 9002/ EXAMS/2019, dt. 04-09-2019

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The following approved academic calendar for first year first semester 2019-20 and first, second, third and fourth years for the second semester 2019-20 of B. Tech. (Food Technology) course is communicated to the Associate Dean, Dr. NTR College of Food Science & Technology, Bapatla / College of Food Science & Technology, Pulivendula for adoption.

**FIRST SEMESTER 2019-20**

| PARTICULARS | FIRST YEAR |
|---|---|
| Registration of courses | 11-09-2019 |
| Commencement of instruction | 12-09-2019 |
| Last date of registration | - |
| Last date of instruction | 30-12-2019 |
| Preparation holidays | 31-12-2019 & 01-01-2020 |
| Semester End theory examinations | 02-01-2020 to 10-01-2020 |
| Semester break | 11-01-2020 to 19-01-2020 |
| Commencement of next semester | 20-01-2020 |

**SECOND SEMESTER 2019-20**

| PARTICULARS | FIRST YEAR | SECOND YEAR | THIRD YEAR | FOURTH YEAR |
|---|---|---|---|---|
| Registration of courses | 30-01-2020 | 17-01-2020 | 06-01-2020 | 17-01-2020, 18-01-2020 & 20-01-2020 |
| Commencement of instruction | 21-01-2020 | 18-01-2020 | 07-01-2020 | 21-01-2020 |
| Last date of Registration | 31-01-2020 | 20-01-2020 | 22-01-2020 | - |
| Summer break | 17-05-2020 to 16-06-2020 | 17-05-2020 to 03-06-2020 | 17-05-2020 to 01-06-2020 | - |
| Last date of Instruction | 29-05-2020 | 19-05-2020 | 08-05-2020 | 16-05-2020* |
| Preparation Holidays | 30-05-2020 to 01-07-2020 | 20-05-2020 & 21-05-2020 | 07-05-2020 & 08-06-2020 | 30-05-2020 & 21-05-2020 |
| **Semester End Theory Exams/ Presentations** | **02-07-2020 to 13-07-2020** | **22-05-2020 to 01-07-2020** | **09-05-2020 to 19-05-2020** | **22-05-2020 to 29-05-2020** |
| Semester Break | 14-07-2020 to 26-07-2020 | 02-07-2020 to 12-07-2020 | 20-05-2020 to 29-05-2020 | - |
| Commencement of next semester | 27-07-2020 | 13-07-2020 | 29-05-2020 | - |

* Including educational tour

D. SHASHIKARA RAO
REGISTRAR

To
The Associate Dean, Dr. NTR College of Food Science & Technology, Bapatla
The Associate Dean, College of Food Science & Technology, Pulivendula
Cc to PS to the Vice-chancellor
Cc to PA to the Registrar
Cc to PA to the Dean of Agricultural Engineering & Technology
Cc to PA to the Dean of Student Affairs
Cc to the Controller of Examinations
Cc to stock file

FORWARDED BY ORDER/U

SUPERINTENDENT

### 6.5.4.4. Conduct of Practicals and Hands on Training:

The practical classes are conducted in the well-lit and ventilated practical labs. The labs are sufficiently provided and funded for successfully conducting practical component. The students are made to soil their hands enough so that they gain personal experience. They are allowed to run the machinery, equipment and instruments under the guidance and constant supervision of teachers. They are also instructed to record the observations and measurements. All courses are stuffed with practical component.

There are six number of Student READY courses accounted for forty numbers of credit hours fully practical. These include courses like Seminar, Research Project, Experiential Learning Programme Modules (ELPM), Industrial Tour and In-plant Training. In all these courses the teacher student ratio is about 1:4. Therefore, there is a close monitoring of students learning progress. In-plant training is an exception to the said ratio as the students are deputed to the Food Industry to hone their practical skills and are fully exposed to the working environment. They are exposed to processing, quality control, certification, labeling, etc., to have Hands- on-Training. During the academic year 2018-19 the students were deputed to fifteen different Food Industries.

### 6.5.4.5. Examination and Evaluation Process:

The college has foolproof system implemented by the Acharya NG Ranga Agricultural University, Guntur. Being a constituent college of the University, the college implements the same examination system as implemented at the University. A student's performance is tested based on GPA (Grade Point Average). All examinations are being conducted as per the 'Academic Regulations governing UG Programmes of the University including affiliated colleges' as amended up to 25-11-2019 of Acharya NG Ranga Agricultural University, Lam, Guntur, Andhra Pradesh.

**Evaluation of student, examinations and grades**

The evaluation of the student in a course shall be based on his/ her performance in various kinds of exanimations, records, class work and other types of exercises. The detailed course outlines in each course shall be prepared by the

concerned teacher(s) in consultation with the University Head of the Department/Head of the Department, which will be made available to the students during the first week of the semester. A schedule of the mid-semester examinations of the academic programme shall be prepared by the Associate Dean and notified to the students at the beginning of each semester.

Answer scripts of mid-semester examinations shall be evaluated by the concerned course teacher and shall be shown to the students. The students shall have the option to request the teacher for clarification of any doubts in scoring, provided that such clarification is requested for when the answer scripts are made available to them.

**Mid-semester examinations**

There shall be one mid-semester examination to be conducted by the teacher offering the course after 50% of the working days are over in a semester. The duration for mid semester examination shall be for one and half hours.

The marks allotted for mid-semester and semester final theory examinations shall be 50 and 100 respectively. Unless a student appears for the mid-semester examination he/she shall not be permitted to appear for the semester final theory and practical examinations in the course concerned.

**Semester final examinations**

The semester final examinations shall be held at the end of each semester in each course. It shall be the responsibility of the University to conduct the theory portion of semester final examination.

Practical examinations shall be conducted by the respective colleges. In affiliated colleges, the final practical examination shall be conducted and evaluated by the nominated teacher from University College. The Associate Dean shall send all the coded answers scripts of each course, year of study wise in sealed cover to the designated evaluation center (constituent colleges in the University) and shall be evaluated by the course teacher of the evaluation centre.

The spot valuation procedure shall be followed the Associate Dean shall send the answer scripts of each course, year of study wise to the nominated evaluation

centre, where they are jumbled and coded. After evaluation by the concerned course teacher, the decoded marks award list of students will be sent to the respective colleges by the Associate Dean of the evaluation centre.

**6.5.4.6. NCC/NSS/RVC Units:**

There is a NSS unit of 100 students working in this College with an annual budget of Rs.45,000/- for conducting regular activities like Swatch Bharat and enlisted annual activities. During, this year 2019-20, the university has granted another NSS unit.

Students get exposure on the ways and functioning of society. NSS provides students with the opportunity to apply their education in finding practical solutions to the problems faced by the individuals and the community at large. It also arouses social consciousness of the youth with an overall objective of personality development through community service.

Educated Primary school children of food adulteration, importance of Vitamin A for eye vision, conducted 'Agricultural Education Day' in Secondary School on the eve of Birth anniversary of BharataRatna Dr. Rajendra Prasad, the first Agricultural Minister of the country.

Conducted demo on value added products on millets (biscuits, payasam/porridge, haldi, chilly powder, etc.), processing of fruits and vegetables (like jams and jellies, squashes, carrot cubes, greens, etc.), conducted, road repair works, veterinary camp, No Plastic awareness rally, Health & hygiene Rally, Fund raiser for the Kerala Flood victims during 2018-19, awareness programme on blood donation followed by blood donation camp, Agreecos green programme, Swatchhta-hi-sewa campaign, plantation programmme in the village, etc.

**6.5.4.7. Language Laboratory:**

The English Language Lab is proposed to conduct in the same space as computer Lab is conducted with software like k-Van/Waldon/Globerena for communicative skills, writing skills, presentation skills and inter personal skills. However, right now this software is not available in College. In near future, the college will procure and improve the value of the institution and students also.

The computer Lab is facilitated in a well-lit, spacious and air conditioned with a floor space of 1800 sq .ft. (60 X 30 ft) and false roofing to reduce the cooling load. The Lab is provided with 25 numbers of desktop systems connected with LAN. The ICT course is being conducted in this lab besides some basic courses of computers like C language for computing.

.

**6.5.4.8. Cultural Center:**

The college welcomes all ethnic groups from India and outside India as well. The college celebrates all important festivals in the campus. However, the center needs to be strengthened.

**6.5.4.9. Personality Development:**

Considerable efforts are being invested every year for the personality development of the students. The following is the table showing the details of the lectures conducted to improve the personality and communication.

**Table12. List of guest lectures conducted during the academic year 2018-19**

| Sl.No. | Date | Occasion/Topic/Event | Guest speaker |
|---|---|---|---|
| **1.** | 01-08-2018 | Guest lecture on **"Personality Development skills, Soft skills & Communication skills**" | Dr.M.Sambaiah, Asst.Prof& Head of Humanities, **Jawaharlal Nehru Technological University**, Pulivendula |
| **2.** | 25-08-2018 | Guest lecture on " **Campus Recruitment Training Session-I**" | Dr.M.Sambaiah, Asst.Prof& Head of Humanities, Jawaharlal Nehru Technological University, Pulivendula |
| **3.** | 25-08-2018 | Guest lecture on **" Campus Recruitment Training Session-II**" | Dr.M.Sambaiah, Asst.Prof & Head of Humanities, Jawaharlal Nehru Technological University, Pulivendula |
| **4.** | 27-10-2018 | Guest lecture on "**Communication skills and spoken English"** | Dr.M.Sambaiah, Asst.Prof & Head of Humanities, **Jawaharlal Nehru Technological University**, Pulivendula |
| **5.** | 29-03-2019 | Conducted a guest lecture on "**Attitude Building and Right** | Fr.T.Amala Arokya Raj, S.J. Principal, Loyola Degree |

| | | | |
|---|---|---|---|
| | | **Attitude**" by Fr.T.Amala Arokya Raj, S.J. Principal, Loyola Degree College YSRR, Pulivendula. | College YSRR, Pulivendula. |
| **6.** | 01-04-2019 | Conducted a guest lecture on "**Goal setting and Time Management**" by Fr.T.AmalaArokya Raj, S.J. Principal, Loyola Degree College YSRR, Pulivendula. | Fr.T.Amala Arokya Raj, S.J. Principal, Loyola Degree College, Pulivendula. |

Apart from the above lectures, a few books related to personality development were also purchased and stocked in the library.

### 6.5.5. Physical facilities:

#### 6.5.5.1. Hostels:

The college provides hostel facility for both boys and girls separately. The students are accommodated in three hostels within the campus. There are 61 rooms available in boys' hostel and 54 nos boy students are accommodated. There are 39 rooms available in girls' hostel and 62 nos of girl students are accommodated. Three students are accommodated in one room. Each room is well-lit, ventilated and equipped with all necessary amenities required for an academic student. Drinking water facility is arranged in water coolers in all three hostels. The college is running well maintained packaged drinking water plant in the campus to meet the needs of students and staff. As a security measure hostels and mess is kept under CC camera surveillance. The college bus provides transportation for the girls for weekly outing for personal purchases.

The mess is run by the students themselves under the guidance of wardens and chief warden. The mess is spacious and there are 8 nos of dining table (10'x3') out of which two are stainless steel. It accommodates about 90 inmates to dine at a time.

The senior boys' hostel is provided with TV, Home gym, table tennis and multipurpose bench, rods and weights to relax and keep fit. A shuttle court also exists in senior boys' hostel. The girls' hostel is also provided with T.V., table tennis, shuttle court and reading rooms.



**Fig 17.Senior Boys' Hostel**



**Fig. 18. Girls' Hostel and Mess Office**



**Fig. 19. College Main Building**

**6.5.5.2. Examination hall:**

There is a dedicated (only used for) examination hall in the college. The capacity of the hall is 50 in the examination mode (with clear distance from chair to chair) of sitting. The size of the examination hall is 1800 sq.ft. (60X 30 ft.) and houses fifty numbers of chairs with writing pads. The hall is under cc camera surveillance. The hall is provided with intercom facility to contact the office in case of emergence.

**6.5.5.3. Sports and Recreation Facilities:**

**Sports and Games:**

Quality physical education programs are needed to increase the physical competence, Health-related fitness, self-responsibility, and enjoyment. With a plinth area of Ground facilitates both indoor and outdoor sports.

**Indoor games**:

Students can train and participate in competition on game of carom, engage in a battle of minds by playing chess and table tennis the institute provides indoor game facilities for Table Tennis and Shuttle, also.

**Out Door Games:**

The institute has adequate playground for outdoor games like Athletics, Cricket, Football, Tennikoit, Ball-badminton and Volleyball. Athletic Track Space for all field eventsLike Javelin Throw, Shot put, Discus Throw, Jumps, *etc*.is available.

**Gymnasium:**

Fitness is the key to success. Gym plays a very important role in making the professional life successful. An exclusive Multipurpose Bench is available for the students used for strengthening of muscles that supplies the energy in the events of Throws & Jumps. It provides an arena for the body builders and the students who wish to maintain their general health. A number of ultra-modern equipment is made available at CFST.

**Yoga Center:**

An exclusive facility is provided with a dedicated yoga for training both the Students and faculty. Practicing yoga helps to engineer a deep lasting personal Transformation. Our students have experienced remarkable results leading to elimination of stress, relief from chronic diseases, sleep better, increase energy and productivity, Maintain emotional balance, improve relationships and communication and experience life each moment to the fullest. Every year on June 21st, the International Day of Yoga is conducted where all the students and faculty proactively participate. Best performers are rewarded to encourage active and more participation**.**

**The following Indoor and Outdoor facilities are available in CFST, Pulivendula.**

1. Badminton courts – 3 No
2. Ball badminton courts- 2 No
3. Table Tennis Tables- 3 No
4. Chess Boards- 10 No
5. Caroms Boards- 6 No
6. Gym with Imported equipment
7. A separate Medical Center with adequate medicines

8. NSS unit - 1 No

**The following Outdoor sports facilities are available in CFST, Pulivendula.**

1. Cricket Ground- 1 No
2. Football Ground – 1 No
3. Volleyball Courts – 3 No
4. 200 m Track

Corporate training for external members is provided by the National and All India Interuniversity Players in the Sports.

**Sports Feast:**

The students are encouraged to practice and participate in inter-collegiate, inter-university, State level, National level, All India Inter-University and Open competitions.

**Cultural Activities:**

Students clubs are established.

Actively practice and participate in extra-curricular activities.

Both the professional and the cultural clubs are hosted in an exclusive facility.



**Fig. 20. Ball badminton and Volley ball courts for boys**



**Fig. 21. Mini Gymnasium for Boys**

**6.5.5.4. Auditorium:**

The college is blessed with a separate auditorium within the college main building with a seating capacity of 200 students. The size of the auditorium is 50 X 64 ft. A built-in stage with provision for adding lighting system and sound system is ready. All seminars, workshops, college meetings are being conducted in this auditorium. However, sound system, lighting systems and air conditioning need to be developed.

**6.5.5.5. Exhibition Hall/Museum:**

There is a need to be developed to show-case the history of college, developed technologies, ELPM products, etc. The ELPM products can be displayed and serves as a sales counter. Right now, there is no such hall in the campus.

**6.5.6. Research Facilities**

Enough research facilities are provided for offering UG programme B.Tech. (Food Technology). Certain equipment like MAP, Gas Analyzer, Texture Analyzer, Hunter Colour Lab, high precision balances, etc., are available.

**6.5.6.1. Postgraduate Laboratories and Equipments: PG programme is not yet started.**

**6.5.6.2. Research Contingency: PG programme is not yet started.**

**6.5.7. Outcome/Output**

**6.5.7.1. Student Performance in National Examinations:**

**Table 13. Performance of students in National Examination**

| S no | Year | JRF | SRF | NET | ARS | GATE | Others |
|---|---|---|---|---|---|---|---|
| **1** | 2014-15 | 1 | - | - | - | - | - |
| **2** | 2015-16 | 1 | - | - | - | - | - |
| **3** | 2016-17 | - | - | - | - | - | - |
| **4** | 2017-18 | - | - | - | - | - | - |
| **5** | 2018-19 | - | 1 | - | - | 2 | - |

**6.5.7.2. Outgoing Student's Placement Profile:**

**Table 14. Profile of outgoing students for the past 5 years**

| Year | No of outgoing students | Jobs in food industry & Service sector | Higher studies including abroad | Entreprene -urship | Others , if any |
|---|---|---|---|---|---|
| **2018-19** | 31 | 08 (26%) | 03 (10%) | | |
| **2017-18** | 24 | 04 (17%) | 05 (21%) | | |
| **2016-17** | 14 | 04 (29%) | 05 (36%) | | |
| **2015-16** | 28 | 14 (50%) | 10 (36%) | 1(4%) | |
| **2014-15** | 20 | 10 (50%) | 7 (35%) | 1 (5%) | |

**Table 15. Details of students who secured placement and Industry during 2018-19**

| S.No | Name & Address of Student | Name of the recruiting Agency | Name of the Position |
|---|---|---|---|
| **1** | B. RakasekharNaik PF15-023 | M/s. Ravi Foods, Hyderabad | Trainee Exec |
| **2** | M. Mahesh PF15-015 | M/s. Ravi Foods, Hyderabad | Trainee Exec |
| **3** | P. Dharmendra PF/15-003 | M/s. Ravi Foods, Hyderabad | Trainee Exec |
| **4** | Ms. D. Kavyamala PF/15-009 | M/s. Ravi Foods, Hyderabad | Trainee Exec |
| **5** | Ms. K.Prasoonambica PF/15-006 | M/s. Ravi Foods, Hyderabad | Trainee Exec |
| **6.** | S. Vara Prasad PF15-035 | M/s. Hector Beverages, Mysore | Trainee Exec |

| | | | |
|---|---|---|---|
| **7.** | P.Kalyan PF14-046 | M/s. Hector Beverages, Mysore | Trainee Exec |

**Table 16. Details of students who secured placement and Industry during 2017-18**

| S.No | Name & Address of Student | Name of the recruiting Agency | Name of the Position |
|---|---|---|---|
| **1.** | A.Moulali | Parag Dairy, Palamaneru | Trainee Exec |
| **2.** | G.V.Dileep Kumar | DJ Brothers, Tumkur | Quality Exec |
| **3.** | B.Kalpana | DJ Brothers, Tumkur | Quality Exec |
| **4.** | S.K.HanumathRaju | DJ Brothers, Tumkur | Quality Exec |
| **5.** | M.Ravindar Reddy | DJ Brothers, Tumkur | Quality Exec |
| **6.** | M. VenkataPremaLatha | Tirulala Dairy, VSKP | Quality Exec |
| **7.** | G. Saichandra | Raagamayuri Foods, Hyderabad | Sales Exec |
| **8.** | M. S. Krishna Kumar Raju | Saha Private Ltd., Dubai | Production Exec |
| **9.** | T. Sai Ganesh | Heritage Foods, Hyd | Production Exec |
| **10.** | M. Ramu | FSSAI, Hyd | Auditor |
| **11.** | G. Sashidhar | FSSAI, Hyd | Auditor |

**Table 17. Details of students who secured placement and Industry during 2016-17**

| Food Industry | | | |
|---|---|---|---|
| **1.** | Greeshma. P PF/13-007 | Hindustan Coco cola Beverages, Chennai | Quality Executive |
| **2.** | Mamatha. G PF/13-009 | Suresh Oomadidurai International Pvt. Ltd (Bisleri water Plant) Patancheru, Hyderabad | Quality Trainee |
| **3.** | Moulali PF/13-010 | Heritage Food India Pvt.Ltd, Shamerpet, Hyderabad | Processing trainee |
| **4.** | Naresh. V PF/13-011 | Manay Foods, Hyderabad | Quality Trainee |
| **5.** | Srinivas. Ch PF/13-016 | AkashayaPatra, Kokapeta, Hyderabad | Proc executive |
| **6.** | Vasavi. K PF/13-019 | Timla Foods, Medchal | Quality Trainee |
| **7.** | VenkataDileep Kumar. G PF/13-020 | MTR Foods Pvt Ltd Banglore | Quality Executive |

**Table 18. Details of students who secured placement and Industry during 2015-16**

| Food Industry | | | |
|---|---|---|---|
| **1.** | Anil. T PF/12-004 | Jersey Cream Line Products, Hyderabad | |

| | | | |
|---|---|---|---|
| **2.** | Anvesh Reddy. S PF/12-006 | TATA Coffee Ltd, Toopran, Hyderabad | Special Grade Officer(Production) |
| **3.** | Hanumanthu. G PF/12-012 | Gayathri Dairy, Anantapur | Production Executive |
| **4.** | Lalitha. V PF/12-015 | Vijaya Dairy, Hyderabad | |
| **5.** | Ravi Kumar. K PF/12-022 | Samba Siva Dairy, Mahaboob Nagar, Telangana | |
| **6.** | Sandeep Kumar. A PF/12-023 | Godrej Cream line Dairy Products Ltd, Hyderabad | UHT Quality Executive |

**Table 19. Details of students who secured placement and Industry during 2014-15**

| | | | |
|---|---|---|---|
| **1.** | **Aravinda Babu D.G PF/11-001** | **Production Executive** | **Vista Frozen Foods Pvt.Ltd, Madanapalli** |
| **2.** | Bhaskar B. PF/11-003 | Quality Control | Sri SatyaSaiPvt.Ltd Medchal, Hyderabad |
| **3.** | Chandra Lekha V.PF/11-005 | Production Exec | Dukes consumer care Pvt.Ltd, Kattedan, Hyderabad |
| **4.** | Prem Kumar K.PF/11-010 | Production Manager | Mithahaar Foods India Pvt.Ltd, Madhapur, Hyderabad |
| **5.** | Priyanka K. PF/11-011 | QA-Officer | Shimogha Life Sciences Pvt.Ltd, Naidupeta |
| **6.** | Rakesh M. PF/11-014 | QA-Executive | Jubliant Food Works Pvt.Ltd, Moulali, Hyderabad |
| **7.** | Saranya V. PF/11-015 | QA-Executive | Sneha chicken, Hyderabad |
| **8.** | Shiva D. PF/11-016 | Production Manager | Britannia India Pvt Ltd Shadnagar, Hyderabad |
| **9.** | Sudha Rani M. PF/11-017 | Vijaya Dairy Jadcherala, Telangana | QA-Executive |
| **10.** | Yerriswamy A. PF/11-020 | Tirumala Milk Dairy MadanapalliChittoor A.P | Production Manager |
| **11.** | ChetanRaghavendraB PF/10-003 | Sree Fruit beverages Vijayawada | Project Manager |
| **12.** | Murali Mohan. B PF/10-005 | Bambino Agros Private Ltd. Yacharam Hyderabad | Quality Associate |
| Others : | | | |
| **1.** | Priyanka M.PF/11-012 | Research Associate | KVK-ANGRAU, Utukur, |

| Kadapa |
|---|

**6.5.7.3. Awards/Recognitions/Certificates:**

**Record of achievements in Sports, Games and Curricular Activities**

**2014-15**

- Mr. N. Narendra Reddy stood second place (1500 m) in Inter-collegiate sports and games meet *at Agricultural College Bapatla.*
- Ms.K.Lalitha Second place (High Jump) in Inter-collegiate sports and games meet *at Agricultural College Bapatla*

**2015-16**

- Mr. N. Narendra Reddy participated in 16$^{th}$ All India Agricultural University sports and games meet *at Tamil Nadu Agricultural University Coimbatore.*
- Ms. Pranuthi Flora stood First in Elocution at Inter-Collegiate sports, games and cultural & Literary Competitions at Agricultural College, Bapatla.
- Ms. Pranuthi Flora stood first in Elocution at All India youth festival held at Orissa University of Agricultural & Technology, Bhubaneswar.

**2016-17**

- Mr. G. Ranjith got First place (Javelin & Shot put) in Inter-collegiate sports and games meet *at Agricultural College Naira.*
- Mr. G. Udaya Kumar got First place in solo Instrumental in Inter-Collegiate sports, games and cultural & Literary Competitions at Agricultural College, Bapatla.
- Ms. B. Kalpana stood First place in Elocution at Inter-Collegiate Sports, Games and Cultural & Literary Competitions at Agricultural College, Bapatla.
- Ms. B. Kalpana stood second in Elocution& Debate at All India Youth Festival at Rajuvas,, Bikaner.
- Mr. G. Udaya Kumar participated in solo Instrumental at State Level NSS Youth Festival held at Adikavi Nannaya University, Rajamahendravaram
- Mr. G. Ranjith participated in Javellin and Shot put 17$^{th}$ All India Agricultural University sports and games meet *at CCS, Agricultural University Hisar, Haryana.*

**2017-18**

- Mr. G. Ranjith stood **First** in Javelin & Discus Throw at Inter-collegiate Sports and Games meet *at Agricultural College Naira.*
- Mr. K. Naveen Kumar got **First** Place in High jump (2017-18) in Inter-collegiate sports and games meet*at Agricultural College Naira.*

  Ms. K. Lalitha **Second** Place in High Jump at Inter-Collegiate Sports and Games meet *at Agricultural College, Bapatla*
- Ms.V. Srivani and G.Lavanya got **Second** Place in shuttle in Inter-Collegiate Sports and Games meet *at Agricultural College, Bapatla.*
- Mr. G. Uday Kumar got First Place in (Solo Instrumental) in Inter-collegiate Sports and Games meet *at Agricultural College, Bapatla.*
- Mr. G. Ranjith and Mr. K. Naveen Kumar participated in 18$^{th}$ All India Agricultural University sports and games meet *at UAS, GKVK Agricultural University Bangalore*
- Ms.K.Lalitha Participated in All India Inter University Rhythmic Gymnastics Tournaments held at Kurukshetra University, Haryana.

**2018-19**

---

- Mr. G. Ranjith stood **First** place in Javelin & Discuss Throw and **Second** Place Shout Put in Inter-collegiate sports and games meet *at S.V. Agricultural College Tirupathi.*
- Mr. K. Naveen Kumar got **First** Place in High jump in Inter-collegiate sports and games meet *at S.V. Agricultural College Tirupathi.*
- Mr. L.D.Rami Reddy and B.Ashok got **Second** Place in Caroms in Inter-collegiate sports and games meet *at Agricultural College Naira.*
- Ms.J.Sindhu stood **First** Place in High jump and G. Shireesha Kumari got **Second** Place in Discus Throw in Inter-Collegiate Sports and Games meet *at Agricultural College, Bapatla.*
- Mr. G. Ranjith and Mr. K. Naveen Kumar participated in 19$^{th}$ All India Agricultural University sports and games meet *at Punjab Agricultural University, Ludhiana*
- Mr. G. Ranjith, stood **First** in Shot put and Discus Throw and Mr. P. Ameer Basha stood **Second** in Discuss Throw and Mr. P. Viswanath Reddy got **Fourth** place in 4X 400 m Relay athletics in 32$^{nd}$ Rayalaseema Open Athletics Meet *at* Proddutur, Kadapa.

- Mr. P. Ameer Basha, Ms. G. Shireesha Kumari and Ms. M. Thulasi Reddy participated in 20th All India Agricultural University sports and games meet at S.V. Agricultural College, Tirupati.



**Fig. 21.Ms.K.Lalitha, student of III year B. Tech. (Food Technology) represented ANGRAU during 2017-18 in All India Inter-University Gymnastics Women Tournament held at Kurukshetra University, Haryana**

| S. No. | Name | Event | Plate |
|---|---|---|---|
| **1** | Mr.G.Ranjith | Participated All India Agricultural University in athletics Event at (2016-17) Hissar, Bangalore (2017-18), Ludhiana (2018-19) |  |
| **2** | K.Lalitha | Participated All India Inter University Gymnastic game held at Kurukshetra (2017-18), Haryana |  |

| | | | |
|---|---|---|---|
| **3** | Mr.K.Naveen Kumar | Participated All India Agricultural University I Highjump Event at Bangalore(2017-18), Ludhiaana(2018-19) |  |



**Fig. 22.Winners in Regional Rayalaseema Open Athletic Sports meet**

**6.5.7.4. Employability:**

Facilities for power point presentations have been developed in all lecture halls of B. Tech. (Food Technology) and thus the class teaching is improved. The laboratories are sufficiently provided with instruments and equipment for successfully conducting B. Tech. level practical classes and research projects. The teaching faculty is qualified and seasoned in dealing food technology and related subjects. In class rooms, the information and knowledge is shared and taught.

The College Library houses about 4,000 plus books for over all development of the students. It also includes a number of national and international scientific journals, periodicals, monographs, etc. Enough number of computers is provided for browsing subject materials online in portals like Swayam, etc. This library provides number of opportunities for learning in a good environment.

The college has been offering a semester long student READY course *viz.,* FDPO 454 In-plant training (0+20) during VIII semester. During this course, the students are sent to different food industries to have a practical real time experience of food manufacturing processes and technologies. This first step will establish a link with industry for further employment of students. During the practical classes, the students hone and acquire practical skills.

The students of food technology are trained to seek employment in product development, research, sales and marketing, quality assurance, production management, analytical and technical services and regulatory affairs in food industry. They can be considered for jobs such as Food Inspectors / Officers, Food Safety Officers/ Quality Control Supervisors/ Food Vigilance Officer/ Food Auditors (FCI, Railways, PDS, Andhra Pradesh Food Processing Society, Food Safety and Standards Authority of India with Ministry of Health & Family Welfare, Government of India as the Administrative Ministry and Bureau of Indian Standards), Food Analyst/ Food Microbiologists/Food Ingredients Manager in Food and Dairy industries, Officers in Warehousing Corporations, Food industry Auditors, etc.

The placement office is providing campus interviews including online examinations. It also arranging guest lectures for overall development of the students both in communication skills and interpersonal skills. These classes fill the students with enriched attributes, transforming a boy into a complete man.

Keeping in view of the above facilities, certainly the students of College of Food Science & Technology, Pulivendula are more likely to gain employment and be successful in the chosen career.

The Government of India has been instrumental in the growth and development of the food processing industry. The government through a separate Ministry of Food Processing Industries (MoFPI) is making all efforts to encourage investments in the food business. It has approved proposals for joint ventures; foreign collaborations, industrial licenses and 100 % export oriented units. This creates a platform for increased food processing and manufacturing in India. Increased manufacturing gives way for increased employment opportunities. The graduates of food technology fits in and serves in processing the agriculture produce for better profits of farmer, increasing the shelf life of the foods, enforcing the standards &

certification that paves way for safe food and a boost to the exports. This way he benefits himself, community and contributes to the economy of the country.

### 6.5.7.5. Support from Government of Andhra Pradesh

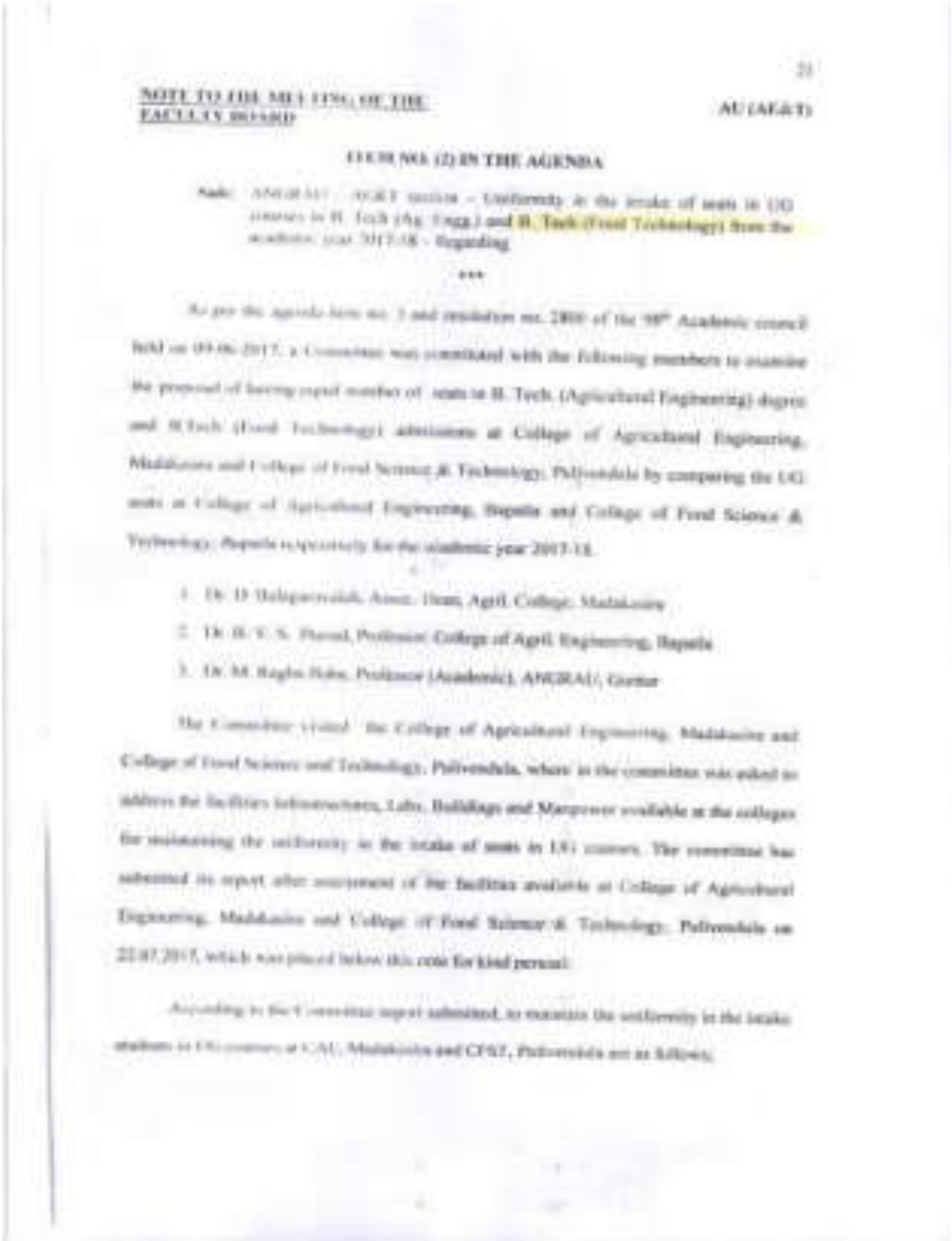
The Government of Andhra Pradesh established Andhra Pradesh Food Processing Society (APFPS) under The Andhra Pradesh Societies Act in November, 2012 to act as a nodal agency for development of Food Processing Sector in the state. The Initiatives offered are in many facets like subsidies, exemption, concession, incentives, reimbursements, etc. It also aims to make this College as one of the best destinations for taking up food technology and allied subjects as a career. As a part of this, the College has been **sanctioned a grant of Rs.7.085 towards infrastructure** development like floor space creation, establishment of advanced laboratory facilities with advanced instruments and equipment, establishment of NABL lab in the college campus, enhancement of sports facilities, etc. The following is the list of items to be covered in the grant:

- ✓ Completion of First Floor (Estimated cost Rs.1.50 crore)
- ✓ Construction of Guest House (Estimated costRs.0.70 crore)
- ✓ Construction of Staff Quarters (Estimated cost Rs.3.00 crore)
- ✓ Sports – Development of plat ground and Running Track laying (Estimated at a cost of Rs.0.05 crore)
- ✓ Reconstruction of broken wall of 20 m in length (Estimated at a cost of Rs.0.025crores)
- ✓ Street lights on road to boys hostel (Rs.0.01 crore)
- ✓ Establishment of Bore-well points for continuous water supply (Rs. 0.10 crore)
- ✓ Providing video conferences facility for students development (estimated at Rs.0.02 crore)
- ✓ Strengthening advanced lab facilities like HPLC, viscometer, Rheometer, etc. (Rs. 0.40 crore)
- ✓ Food Packaging Lab development for packaging of processed foods (Rs.0.25 crore)
- ✓ NABL accredited Food Testing Laboratory Estimated cost Rs. 4.00 crore ( Rs. 3.20 crore support from MoFPI and Rs. 0.80 support crore from PADA)
- ✓ Facelift for auditorium (provoding a/c facility)Rs. 0.08 crores
- ✓ Security enforcement in Library to every book Rs. 0.15 crores

**Total Rs.7.085 Crores**



## Annexure I



NOTE TO THE MEMBERS OF THE FACULTY MEMBER

AU (AE&T)

ITEM NO. (2) IN THE AGENDA

Sub: ANGRAU – AGET system – Uniformity in the intake of seats in UG courses in B. Tech (Ag. Engg.) and B. Tech (Food Technology) from the academic year 2017-18 – Regarding

***

As per the agenda item no. 2 and resolution no. 2800 of the 98th Academic council held on 04-06-2017, a Committee was constituted with the following members to examine the proposal of having equal number of seats in B. Tech. (Agricultural Engineering) degree and B.Tech (Food Technology) admissions at College of Agricultural Engineering, Madakasira and College of Food Science & Technology, Pulivendula by comparing the UG seats at College of Agricultural Engineering, Bapatla and College of Food Science & Technology, Bapatla respectively for the academic year 2017-18.

1. Dr. D Balaguravaiah, Assoc. Dean, Agril. College, Madakasira
2. Dr. B. V. S. Prasad, Professor, College of Agril. Engineering, Bapatla
3. Dr. M. Raghu Babu, Professor (Academics), ANGRAU, Guntur

The Committee visited the College of Agricultural Engineering, Madakasira and College of Food Science and Technology, Pulivendula, where in the committee was asked to address the facilities infrastructure, Labs, Buildings and Manpower available at the colleges for maintaining the uniformity in the intake of seats in UG courses. The committee has submitted its report after assessment of the facilities available at College of Agricultural Engineering, Madakasira and College of Food Science & Technology, Pulivendula on 22.07.2017, which was placed below this note for kind perusal.

According to the Committee report submitted, to maintain the uniformity in the intake students in UG courses at CAE, Madakasira and CFST, Pulivendula are as follows;

**a) College of Agricultural Engineering, Madakasira**

Sufficient Class Room facilities are available at College of Agricultural Engineering, Madakasira and no hostel facilities available with the college. Construction work of one Boys Hostel and one Girls Hostel under NABARD funds is in progress with totaling capacity of 30 each. However, it may be extendable up to 40 students in each hostel. It is recommended to increase the intake capacity of B. Tech (Agricultural Engineering) up to 50 including ICAR and other quotas, etc. if any, subjected to meeting the following requirements:

- Strengthening of the Teaching and Non-Teaching staff in the college. At least 7 faculty positions need to be filled on priority basis to enable the college to maintain academic standards and for smooth conduct of the B. Tech (Agricultural Engineering) practical, classes in 2 batches.
- It is essential to create hostel facilities for both boys and girls to the capacity of 60-70 each a part from ongoing NABARD hostels construction works.
- One-time grant for procuring the instruments and equipment as per V Deans Committee recommendations may be provided.
- Construction of compound wall/fence all around the college campus for security of the girl students and to protect the valuable properties of the college is essential.
- Land acquisition for 20 ha is to be fastened up and field laboratories have to be established.
- Chances of getting accreditation of ICAR for this college improves with the improvement in aforesaid infrastructural facilities and faculty strength.

**b)College of Food Science & Technology, Pulivendula:**

Sufficient Class Room facilities are available at College of Food Science & Technology, Pulivendula and it is recommended to increase the intake capacity of B. Tech (Food Engineering) up to 50 including ICAR and other quotas, if any, subjected to meeting the following requirements:

- Strengthening of the Teaching and Non-Teaching staff in the college. At least 10 faculty positions need to be filled on priority basis to enable the college to maintain the academic standards and for smooth conduct of the B. Tech. (Food Technology) practical classes in 2 batches.
- Water shortage problem should be addressed on top priority before increasing the strength of the college through the water quality.
- One-time grant for procuring the instruments and equipments per V Deans Committee recommendation may be provided.
- Constructions of compound wall all around the college campus for security of the girl students and to protect the valuable properties of the college is essential.
- Chances of getting accreditations of ICAR for this college improves with the Improvement in aforesaid infrastructural facilities and faculty strength.

In view of the above, the **Committee recommended to increase the intake capacity at College of Agricultural Engineering, Madakasira from 38 to 50 seats in B. Tech (Agril. Engineering)**. Similarly to **increase the intake capacity at College of Food Science & Technology, Pulivendula from 38 to 50 seats in B. Tech (Food Technology)**. The seats to be increased at both colleges are inclusive of ICAR seats and subject to the meeting of all other requirements from Academic year 2018-19 onwards instead of Academic year 2017-18.

Hence to enhance the seats from 38 to 50 at College of Agricultural Engineering, Madakasira and College of Food Science & Technology, Pulivendula in B. Tech (Agril. Engineering) and B. Tech (Food Technology) respectively as recommended by the committee may be approved from academic year 2018-19 onwards.

The matter is placed before the faculty Board for discussion and decision.

**D. BHASKARA RAO**
**DEAN OF AGRIL. ENGG. & TECHNOLOGY**

## Annexure II

1

NOTE TO THE MEETING OF THE FACULTY BOARD MEETING

AE (AE&T)

**ITEM NO. (01) IN THE AGENDA**

**Sub:** ANGRAU – AE&T - CFST, Pulivendula – Allocation of staff Positions in New Departments as per V Deans Committee Recommendations.

***

The Associate Dean, College of Food Science & Technology, Pulivendula proposed the distribution of Teaching Staff positions pertaining to the New Departments created as per the V Deans Committee recommendations for B. Tech. (Food Technology) programme. The information is furnished in the Annexure – I.

In view of the above, the matter is placed before the Faculty Board meeting of Agricultural Engineering & Technology for discussion and decision for approval of the distribution of Teaching Staff position pertaining to the New Departments created as per the V Deans Committee recommendations for B. Tech. (Food Technology) programme.

**K. YELLA REDDY**
**DEAN OF AGRIL. ENGG. & TECHNOLOGY**

## Annexure III

NOTE TO THE MEETING OF THE ACADEMIC COUNCIL MEETING

AU (AE&T)

**ITEM NO. (18) IN THE AGENDA**

Sub: ANGRAU - UG Programme – Examinations - Uniformity in the evaluation system of Semester Final Theory Examinations in B.Tech. (Agril. Engg) and B.Tech. (Food Tech.) – Reg.

***

As per the existing UG regulations governing UG programmes in ANGRAU, there are two different modes of Evaluation of Semester Final Theory Examinations in the UG programmes offered in the Faculty of Agricultural Engineering & Technology.

In the UG programme of B.Tech. (Agricultural Engineering), the Spot Valuation method is being followed. The coded answer scripts of Semester Final Theory Examinations of various courses in all years are evaluated by the nominated teachers at an identified centre of evaluation either at Dr. NTR College of Agril. Engineering, Bapatla or College of Agricultural Engineering, Madakasira.

In B.Tech. (Food Tech.) UG programme, in each year, the coded answer scripts of Semester Final Theory Examinations of various courses of one college are evaluated by the course teacher of other college, i.e., answer scripts from Dr. NTR College of Food Science Technology, Bapatla are evaluated at College of Food Science & Technology, Pulivendula and *vice-versa*.

It is felt necessary to adopt "Spot Valuation" mode of evaluation of Semester Final Theory Examinations in B.Tech. (Food Tech.) UG programme also.

The matter has been discussed in the Meeting of Faculty Board of Agricultural Engineering & Technology and it is resolved to approve the uniformity in evaluation system in the faculty by considering Spot Valuation mode.

Hence, the matter is placed before Academic Council for approval.

D. BHASKARA RAO
REGISTRAR

## Annexure IV

(54)

AU (AE&T)

NOTE TO THE MEETING OF THE FACULTY BOARD MEETING

ITEM NO. ( 6 ) IN THE AGENDA

Sub:- ANGRAU – AE&T – B. Tech. (Agril. Engg.)/ B.Tech. (Food Technology) – Non accredited Colleges of ICAR – Strengthening and Development – Funding for equipment and others – To meet the requirements of V Deans committee recommendations – Sanction of funds from University source – Approval - Reg.

***

Dr. NTR College of Food Science & Technology, Bapatla, College of Food Science & Technology, Pulivendula and College of Agricultural Engineering, Madakasira are not accredited by ICAR for receiving Strengthening and Development Funds of ICAR like ICAR accredited colleges.

I. Dr. NTR College of Food Science & Technology, Bapatla:

The Associate Dean, Dr. NTR College of Food Science & Technology, Bapatla put-up a proposal for strengthening the laboratory infrastructure facilities and ELP pilot units establishment as per recommendations of ICAR – V Deans committee. Proposals were earlier submitted to the ICAR through the university for ELP project funding. The Nodal Officer of ELP Programmes informed that ICAR not considered the proposals as the College is not accredited. Hence the Associate Dean of CFST, Bapatla proposed for a special grant of Rs. 5.00 crores (Rupees five crores only) from the university to Dr. NTR College of Food Science & Technology, Bapatla to establish the Laboratories and ELP units as follow.

| S. No. | Laboratory Equipment required as per V Deans Committee | Approximate Expenditure Required (In lakh Rupees) |
|---|---|---|
| i. | Department of Food Processing Technology | 137.00 |
| ii. | Department of Food Process Engineering | 59.00 |
| iii. | Department of Food Safety and Quality Assurance | 53.00 |
| iv. | Department of Food Plant Operations | |
| | **ELP pilot projects** | |
| d) | Processing of Fruits & Vegetables for value addition | 101.40 |
| e) | Cereal & Pulse Processing | 92.40 |
| f) | Spice Processing Unit | 55.20 |
| | **Grand Total:** | **500.00** |
| | **(Rupees five crores only)** | |

Details of equipment list with approximate costs are given in the Annexure – I.

II. College of Food Science & Technology, Pulivendula:

Associate Dean, CFST, Pulivendula., put up a proposal to University for provision of special Grants of Rs. 6,44,000/- (Rupees six lakhs forty four thousand only) to College of Food Science & Technology, Pulivendula for strengthening the labs and class room facilities since the annual intake of students is increased from 30 to 50 and there is need to increase seating arrangement to all class rooms and requested for budget of Rs. 1,00,00/- Rupees one lakh. Also proposed to develop Food Packaging lab at an estimated cost of Rs. 4,44,000/- He also proposed to purchase 4 No. of White

(37)

Boards for Teaching in the class rooms at an estimated cost of Rs. 30,000/- (Rupees thirty thousand only). The computers are not well maintained with the updated antivirus and often create problems with messages of 'Activate Windows/ MS Office'. To avoid such messages and network related problems annual maintenance of Computers is required for 35 systems including the cost of antivirus software. This provision requires an additional grant of Rs. 50,000/- (Rupees fifty thousand only). The detailed list is as follow.

**ABSTRACT**

| S. No. | Item | Quantity | Rate (Approximate) | Amount |
|---|---|---|---|---|
| 5. | Classroom Chairs (From Central Prison, Kadapa) | 20 Nos | 5,000/- each | 1,00,000/- |
| 6. | Food Packaging Lab Equipments | 9 Items | - | 4,64,000/- |
| 7. | White Board (For Class room) | 4 No. | 7500/- each | 30,000/- |
| 8. | Computers Maintenance | 35 systems | - | 50,000/- |
| | | | Total | 6,44,000/- |
| (Rupees six lakhs forty four thousand only) | | | | |

**III. College of Agricultural Engineering, Madakasira:**

The Assoc. Dean, CAE, Madakasira requested the University for provision of special Grants of Rs. 1,29,78,590/- (Rupees one crore twenty nine lakhs seventy eight thousand five hundred and ninety only) to College of Agricultural Engineering, Madakasira towards purchase of equipment amounting Rs. 1,29,78,590/- (Rupees one crore twenty nine lakhs seventy eight thousand five hundred and ninety only) for strengthening laboratory and infrastructural facilities to impart quality education and improve practical skills to the students. The estimate of required laboratory and field equipment is in ANNEXURE – II.

| S. No. | Laboratory Equipment required as per V Deans Committee | Approximate Expenditure Required (in lakh Rupees) |
|---|---|---|
| 1. | Department of Soil and Water Conservation Engineering & Department of Irrigation and Drainage Engineering | 61,47,000/- |
| 2. | Department of Processing and Food Engineering | 52,29,090/- |
| 3. | Department of Farm Machinery Lab | 18,32,500/- |
| 4. | Machine Workshop | 15,70,000/- |
| | **Grand Total:** | **1,29,78,590/-** |
| (Rupees one crore twenty nine lakhs seventy eight thousand five hundred and ninety only) | | |

In the Faculty of Agricultural Engineering & Technology, there is only one ICAR accredited college i.e. Dr. NTR College of Agricultural Engineering, Bapatla., which received Rs. 131.27 Lakhs as strengthening and development Grant from ICAR during the financial year 2017-18 and Rs. 26.41 lakhs as 1st instalment released during the financial year 2018-19. The funds received under this provision are being used by the college to improve the infrastructural facilities, and to create amenities to the students and faculty. In order to strengthen and to develop the following non accredited colleges of Faculty of Agricultural Engineering & Technology funds are needed from

(14)

ANGRAU and the following amounts are required as noted against the respective colleges.

a. Dr. NTR College of Food Science & Technology, Bapatla - Rs. 5.00 Crores (Rupees five crores only).

b. College of Food Science & Technology, Pulivendula - Rs. 8,44,000/- (Rupees six lakhs forty four thousand only).

c. College of Agricultural Engineering, Madakasira - Rs. 1,29,78,980/- (Rupees one crore twenty nine lakhs seventy eight thousand five hundred and ninety only).

In view of the above, the matter is placed before the Faculty Board meeting of Agricultural Engineering & Technology for discussion and decision for approval.

K. VELLA REDDY
DEAN OF AGRIL. ENGG. & TECHNOLOGY

## Annexure V

**ITEM NO. ( 18) IN THE AGENDA**

ANGRAU – Home Science – Student READY Programme Guidelines for conducting Rural Awareness Work experience – Regarding.

**RESOLUTION NO. ( 2850 )**

Approved

**ITEM NO. ( 19) IN THE AGENDA**

ANGRAU – Home Science – Student READY Programme guidelines for implementation of Internship – Regarding.

**RESOLUTION NO. ( 2851 )**

Approved

**ITEM NO. ( 20) IN THE AGENDA**

ANGRAU – Home Science – Student READY Programme guidelines for implementing Experiential Learning Programme – Regarding.

**RESOLUTION NO. ( 2852 )**

Approved

**ITEM NO. ( 21) IN THE AGENDA**

ANGRAU – UG Programme – B.Tech (Agricultural Engineering) candidates admitted directly into second year (Lateral Entry) through entrance test from 2015-16 – Number of Credits for graduation requirement – Regarding.

**RESOLUTION NO. ( 2853 )**

Approved with a suggestion to mention "Previous Examination : 3- year Diploma in Agricultural Engineering " on the Transcripts.

**ITEM NO. ( 22) IN THE AGENDA**

ANGRAU – AE & T section – Uniformity in the intake of seats in UG courses in B.Tech (Ag.Engg.) and B.Tech. (Food Technology) from the academic year 2017-18 – Regarding.

**RESOLUTION NO. ( 2854 )**

Approved

**ITEM NO. ( 23) IN THE AGENDA**

ANGRAU – P.G. Studies – Sri T.Prasantha Kumar, Ph.D. (Ag.) – In-service, I.D.No.BAD/09-12, Majoring in Agricultural Extension at Agricultural College, Bapatla – Extension of time of submission of thesis beyond the stipulated time i.e., 31-01-2017 – Ratification – Regarding.

**RESOLUTION NO. ( 2855 )**

Ratified

## Annexure VI





NOTE TO THE MEETING OF THE ACADEMIC COUNCIL

AU (AE&T)

ITEM NO. ( ) IN THE AGENDA

Sub: ANGRAU – Re-Naming of the Departments in the B. Tech. (Food Technology) degree programme - As per the V Deans' Committee Recommendations in Food Science & Technology Colleges under Faculty of Agricultural Engineering & Technology - Approval - Regarding.

***

As per the V Deans Committee report (copy of page No. 334 enclosed), the new syllabus for B. Tech. (Food Technology) is being implemented from 2016 admitted batch students of B.Tech. (Food Technology) in all Colleges of Food Science & Technology in the University. As per the V Deans' Committee recommendations, the following Departments are to be formulated in the Colleges of Food Science & Technology. Vide Lr. No. A2/CFST BPT /Renaming of Depts./2017, dt: 10.05.2017 of the Associate Dean, CFST, Bapatla.

1. Food Processing Technology
2. Food Process Engineering
3. Food Safety and Quality Assurance (microbiology, Biochemistry)
4. ~~Food~~ Business Management
5. Food Plant Operations (Student Ready Courses)
6. Basic Engineering
7. Basic Sciences and Humanities

Hence, it is proposed for Re-naming of the Departments as per the V Deans' Committee Recommendations in the colleges of Food Science & Technology.

The matter was placed before the Board of Faculty of Agricultural Engineering & Technology held on 08-06-2017 and it was resolved that the renaming of the existing Food Technology Departments as per the V Deans Committee was approved and recommended for approval of the Academic Council meeting.

The matter is placed before the Academic Council for approval.

T.V.SATYANARAYANA
REGISTRAR

## Annexure VII



NOTE TO THE MEETING OF THE ACADEMIC COUNCIL

AU (AE&T)

ITEM NO. ( 2 ) IN THE AGENDA

**Sub:** ANGRAU-Faculty of Agril. Engg. & Tech. – 5th Deans' Committee Recommendations - B Tech. (Agri. Engg.) & B Tech. (Food Technology) Degree Programmes - Revised UG course curricula for 2016 admitted batch from the Academic Year 2016-17 - Implemented - Ratification for I year I & II Semesters and Approval for remaining six semesters - Regarding.

***

ICAR has circulated 5th Dean's Committee recommendations to all the State Agricultural Universities to follow the common course curricula and syllabi for regular UG programmes in the Faculty of Agriculture, Agricultural Engineering and Technology and Home Science etc., Accordingly, course curricula was examined and slightly revised wherever is required after thorough discussions by conducting series of meetings with all the concerned University Heads of different disciplines in the Faculty of Agriculture Engineering & Technology in the presence of concerned University Officers. The list of distribution of courses in semester-wise and department-wise was framed and given in the Annexure I & II.

Further, it is to inform that, University has already implemented the above said V Deans Committee Syllabus as per the V Deans Committee Recommendations for 2016-17 admitted batch of B. Tech. Agricultural Engineering and B. Tech. Food Technology degree programmes from the academic year 2016-17 as the admissions for the academic year 2016-17 was started on 25th July, 2016 for B. Tech. Agricultural Engineering and on 25th July, 2016 and 7th September 2016 for B. Tech. Food Technology courses respectively.

Now, it is requested to ratify the action in having implemented the V Deans Committee syllabus to B.Tech. (Agril. Engineering) and B.Tech. (Food Technology) programmes may be ratified and also approve the Revised UG course curricula of B.Tech (Agricultural Engineering) and B.Tech (Food Technology) from 2016 admitted batch.

The matter was placed before the Faculty Board meeting of Agricultural Engineering & Technology held on 08-06-2017 and while ratifying the proposal of first year I & II semester courses of B Tech. (Agri. Engg.) & B Tech. (Food Technology) Degree Programmes, approved the proposal for remaining Six Semesters and recommended for approval of the Academic Council meeting.

The matter is placed before the Academic Council for approval.

**T.V.SATYANARAYANA**
**REGISTRAR**

## Annexure VIII

NOTE TO THE MEETING OF THE ACADEMIC COUNCIL MEETING

AU (AE&T)

**ITEM NO. (18) IN THE AGENDA**

Sub: ANGRAU - UG Programme – Examinations - Uniformity in the evaluation system of Semester Final Theory Examinations in B.Tech. (Agril. Engg) and B.Tech. (Food Tech.) – Reg

***

As per the existing UG regulations governing UG programmes in ANGRAU, there are two different modes of Evaluation of Semester Final Theory Examinations in the UG programmes offered in the Faculty of Agricultural Engineering & Technology.

In the UG programme of B.Tech. (Agricultural Engineering), the Spot Valuation method is being followed. The coded answer scripts of Semester Final Theory Examinations of various courses in all years are evaluated by the nominated teachers at an identified centre of evaluation either at Dr. NTR College of Agril. Engineering, Bapatla or College of Agricultural Engineering, Madakasira.

In B.Tech. (Food Tech.) UG programme, in each year, the coded answer scripts of Semester Final Theory Examinations of various courses of one college are evaluated by the course teacher of other college, i.e., answer scripts from Dr. NTR College of Food Science Technology, Bapatla are evaluated at College of Food Science & Technology, Pulivendula and vice-versa.

It is felt necessary to adopt "Spot Valuation" mode of evaluation of Semester Final Theory Examinations in B.Tech. (Food Tech.) UG programme also.

The matter has been discussed in the Meeting of Faculty Board of Agricultural Engineering & Technology and it is resolved to approve the uniformity in evaluation system in the faculty by considering Spot Valuation mode.

Hence, the matter is placed before Academic Council for approval.

**B. BHASKARA RAO**
**REGISTRAR**

## Annexure IX

NOTE TO THE MEETING OF THE ACADEMIC COUNCIL MEETING:

AU (AF&T)

**ITEM NO. (19) IN THE AGENDA**

**Sub:** - ANGRAU – AF&T – B. Tech. (Agril. Engg.)/ B.Tech. (Food Technology) – Non-accredited Colleges of ICAR – Strengthening and Development – Funding for equipment and others – Meet the requirements of V Deans Committee Recommendations – Sanction of funds from University source – Approval – Reg.

***

Dr. NTR College of Food Science & Technology, Bapatla, College of Food Science & Technology, Pulivendula and College of Agricultural Engineering, Madakasira are not accredited by ICAR for receiving Strengthening and Development Funds of ICAR like ICAR accredited colleges.

**1. Dr. NTR College of Food Science & Technology, Bapatla:**

The Associate Dean, Dr. NTR College of Food Science & Technology, Bapatla put-up a proposal for strengthening the laboratory infrastructure facilities and ELP pilot units establishment as per recommendations of ICAR – V Deans Committee. Proposals were earlier submitted to the ICAR through the university for ELP project funding. The Nodal Officer of ELP Programmes informed that ICAR not considered the proposals as the College is not accredited. Hence, the Associate Dean of Dr. NTR CFST, Bapatla proposed for a special grant of Rs. 5.00 crores (Rupees five crores only) from the university to Dr. NTR College of Food Science & Technology, Bapatla to establish the laboratories and ELP units as follows:

| S. No. | Laboratory equipment required as per V Deans Committee | Approximate expenditure (in lakh Rupees) |
|---|---|---|
| 1 | Department of Food Processing Technology | 137.00 |
| 2 | Department of Food Process Engineering | 59.00 |
| 3 | Department of Food Safety and Quality Assurance | 53.00 |
| 4 | Department of Food Plant Operations | |
| | **ELP pilot projects** | |
| a) | Processing of Fruits & Vegetables for value-addition | 103.40 |
| b) | Cereal & Pulse Processing | 92.40 |
| c) | Spice Processing Unit | 53.20 |
| | **Grand Total:** | **500.00** |
| | **(Rupees five crores only)** | |

**II. College of Food Science & Technology, Pulivendula:**

Associate Dean, CFST, Pulivendula put-up a proposal to University for provision of Special Grants of Rs. 6,44,000/- (Rupees six lakhs forty four thousand only) to College of Food Science & Technology, Pulivendula for strengthening the labs and class room facilities since the annual intake of students is increased from 30 to 50 and there is a need to increase seating arrangement in all class rooms. The detailed list is as follow.

**ABSTRACT**

| S. No. | Item | Quantity | Rate, Rs. | Amount, Rs. |
|---|---|---|---|---|
| 1. | Classroom Chairs | 20 Nos. | 5,000/- | 1,00,000/- |
| 2. | Food Packaging Lab Equipment | 9 Items | - | 4,64,000/- |
| 3. | White Board | 4 Nos | 7500/- | 30,000/- |
| 4. | Computers Maintenance | 25 Systems | - | 50,000/- |
| | | | Total | 6,44,000/- |
| (Rupees six lakhs forty four thousand only) | | | | |

**III. College of Agricultural Engineering, Madakasira:**

The Associate Dean, CAE, Madakasira requested the University for provision of Special Grants of Rs. 1,29,78,590/- (Rupees one crore twenty nine lakhs seventy eight thousand five hundred and ninety only) to College of Agricultural Engineering, Madakasira towards purchase of equipment for strengthening laboratory and infrastructural facilities to impart quality education and improve practical skills to the students. The estimate of required laboratory and field equipment is as detailed.

| S. No. | Laboratory equipment required as per V Deans Committee | Approximate Expenditure (in lakh Rupees) |
|---|---|---|
| 1 | Department of Soil and Water Conservation Engineering & Department of Irrigation and Drainage Engineering | 43,47,000/- |
| 2 | Department of Processing and Food Engineering | 52,29,090/- |
| 3 | Farm Machinery Lab | 18,32,500/- |
| 4 | Machine Workshop | 15,70,000/- |
| | **Grand Total:** | **1,29,78,590/-** |
| (Rupees one crore twenty nine lakhs seventy eight thousand five hundred and ninety only) | | |

Further, it is to inform that in the Faculty of Agricultural Engineering & Technology, there is only one ICAR accredited college i.e. Dr. NTR College of Agricultural Engineering, Bapatla., which received Rs. 131.27 Lakhs as Strengthening and Development Grant from ICAR during the financial

year 2017-18 and Rs. 20.41 lakhs as 1st installment released during the financial year 2018-19. The funds received under this provision are being used by the college to improve the infrastructural facilities and to create amenities to the students and faculty. In order to strengthen and to develop the following non-accredited colleges of Faculty of Agricultural Engineering & Technology, funds are needed from ANGRAU and the following amounts are required as noted against the respective colleges.

a. Dr. NTR College of Food Science & Technology, Bapatla - Rs. 5.00 Crores (Rupees five crores only)
b. College of Food Science & Technology, Pulivendula - Rs. 6,44,000/- (Rupees six lakhs forty four thousand only)
c. College of Agricultural Engineering, Madakasira - Rs. 1,29,78,590/- (Rupees one crore twenty nine lakhs seventy eight thousand five hundred and ninety only)

The matter has been discussed in the Meeting of Faculty Board of Agricultural Engineering & Technology and it is resolved that all colleges need to meet the requirements of V Deans Committee Recommendations and accordingly the University has to support non-accredited colleges to strengthen them on priority.

Hence, the matter is placed before Academic Council for approval.

**D. BHASKARA RAO**
**REGISTRAR**

**Annexure X**

**ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY**
**College of Food Science and Technology, chinnarangapuram, Pulivendula**

Rec. No.152/CFST/PVDL/2019 Dated : 17.04.2019

Sub:- ANGRAU – SAS- Women Protection Cell – Nomination of Committee members for the years from 2019-20 to 2020-21 – Reg.

Ref:- Memo No. 3591/SAS/2019 dt: 01.04.2019 of the Registrar, ANGRAU, Guntur.

---

As per the University instruction contained in the ref cited, Smt. Y. Aruna Kumari, Assistant Professor is hereby nominated as a Committee member for Women protection Cell of College of Food Science & Technology, Pulivendula.

Further, she is hereby requested to adhere to the instructions of the University envisaged for the purpose of Women Protection Cell as per ref. cited above (Copy enclosed).

Associate Dean

To
Smt. Y. Aruna Kumari, Asst. Professor, CFST, PVDL.
Copy to all the Staff, CFST,PVDL for information.

## Annexure XI

ANGRAU

ACHARYA N. G. RANGA AGRICULTURAL UNIVERSITY
Administrative Office: Lam: Guntur-522034: AP.

**28th Meeting of the Board of Faculty for P.G. Studies to be held on 19th December, 2017 at 2.00 P.M. at Seminar Hall, APGC, Lam, Guntur.**

# AGENDA

| Agenda Item No. | SUBJECT | Page No. | |
|---|---|---|---|
| | | From | To |
| 1. | *ANGRAU – PG – Initiation of New P.G. Programme M.Tech (Ag. Engg.) in the discipline of Irrigation and Drainage Engineering and M.Tech (Food Technology) at APGC, Guntur – Regarding* | 1 | 3 |
| 2. | *ANGRAU – Agricultural College, Mahanandi – Proposal for starting PG Programme in the Department of Soil Science – Regarding* | 4 | |
| 3. | *ANGRAU – PG – Establishment of Department of Agricultural Meteorology in the ANGRAU and offering PG programme in Agricultural Meteorology – Regarding* | 5 | 12 |
| 4. | *ANGRAU – PG – Admission of students for PG and PhD in the Faculty of Home Science – Regarding.* | 13 | 14 |
| 5. | *ANGRAU – PG Studies – S.V. Ag. College, Tirupati Dept. of Molecular Biology and Biotechnology in ANGRAU – Regular Staff – Request- Reg* | 15 | |
| 6. | *ANGRAU – PG Studies – Admissions to PG and Ph.D. Degree Courses for the Academic Year : 2018-19 – Proposal for a modification in the admission process – Consideration of the ICAR – AIEEA ranks/marks in replacing the separate Entrance Test conducted by the ANGRAU for the purpose – Reg* | 16 | 17 |

**MEETING OF THE BOARD OF FACULTY FOR PG STUDIES**

**NOTES ON ITEM NO. ( 3 ) IN THE AGENDA**

Sub:- ANGRAU – PG – Initiation of New P.G. Programme M.Tech (Ag. Engg.) in the discipline of Irrigation and Drainage Engineering and M.Tech (Food Technology) at APGC, Guntur – Regarding.

---

The University has started the Advanced P.G. Centre (APGC) at Lam, Guntur in accordance with the GO.Ms.No.4, Dated 4.1.2016, wherein PG programmes in four Disciplines were started in the Faculty of Agriculture i.e., Environmental Science & Technology, Agricultural Microbiology, Agronomy (Water Management) and Molecular Biology & Biotechnology from the academic year 2015-16. Further, in the year 2016-17, PG programmes in the Faculty of Home Science were also initiated at the APGC, Guntur.

The Dean of Agril. Engg. & Technology Vide reference 1.(i) Note No. 21408/AE&T/2018 dated:02-12-2017 (copy enclosed as Annexure) has proposed to start new P.G. Programmes in the APGC, Lam, Guntur, as M.Tech (Ag. Engg) in the discipline of Irrigation and Drainage Engineering and M.Tech (Food Technology) in the discipline of Food Processing Technology at APGC , Guntur from the academic year 2018-19. He also stated that to start these PG programmes three faculty members for each discipline are identified and will be posted at the APGC, if approved, duly drawing their pay and allowances from vacant posts available as detailed below.

| S. No. | Name of Proposed M.Tech Degree | Respective College at which vacant posts are available | Vacant Posts | | | |
|---|---|---|---|---|---|---|
| | | | Professor | Associate Professor | Assistant Professor | Total |
| 1 | Irrigation & Drainage Engg. | College of Agricultural Engineering, Nandyal | 1 | 1 | 1 | 3 |
| 2 | Food Technology | College of Food Science & Technology, Pulivendula | 1 | 2 | - | 3 |
| | | Total | 2 | 3 | 1 | 6 |

In this connection, the matter is placed before the meeting of the Board of Faculty for PG Studies to deliberate

- Whether or not to start the courses proposed in the Faculty of Agricultural Engineering & Technology.
- If decided to start, then the number of seats to be allotted in each course and provisions of Budget for giving Stipend for the admitted students.

Hence, the matter is placed before the meeting of the Board of Faculty for PG Studies for discussion and decision thereon.

B. VEERABHADRAVAIAH
DEAN OF P.G (T) (I/C)

## Annexure XII



There are about 30 courses out of total 60 courses deal with mathematical approach (50 %). The students of biological stream will find difficulty in grasping subject knowledge of these courses. In this connection, it is proposed to follow the eligibility criteria for B.Tech. (Food Technology) as PCM/PCMB at 10+2 level as per the recommendations of the V Deans' Committee.

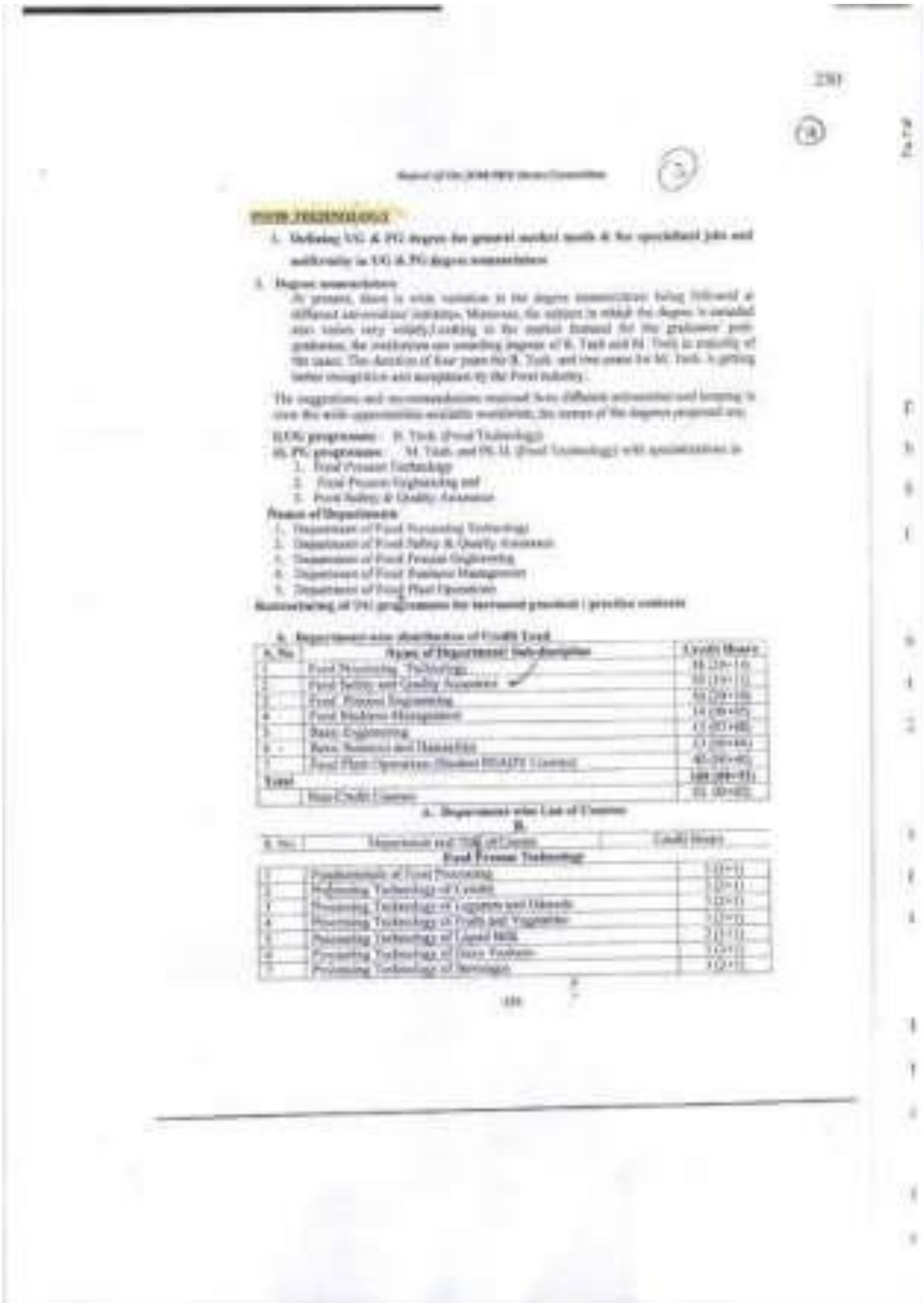
Hence, the ICAR approved eligibility criteria of PCM/PCMB at 10+2 level for admission to B.Tech. (Food Technology) degree programme may please be considered from 2017-18 admissions as agenda point for discussion.

The matter was placed before the Board of faculty for Agriculture Engineering & Technology on 08-06-2017 and Status-quo should be maintained.

The matter is placed before the Academic Council for approval.

T.V.SATYANARAYANA
REGISTRAR

## Annexure XIII










**COLLEGE OF FOOD SCIENCE & TECHNOLOGY**

Chinna Rangapuram, PULIVENDULA -516390,
Dr. YSR Kadapa Dist, Andhra Pradesh.

# SELF-STUDY REPORT




**Submitted to**

**Indian Council of Agricultural Research**

**for Accreditation of**

**B. Tech. (Food Technology) degree**

**and**

**the College**

**COLLEGE OF FOOD SCIENCE & TECHNOLOGY**

**PULIVENDULA 516390, YSR KADAPA DIST.,**
**ANDHRA PRADESH**

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### 6.4.1 Brief History of the Degree Programme

The 4-year degree programme Bachelor of Technology in Food Technology has been started in College of Food Science & Technology, Pulivendula during the year 2008-09 as a constituent college of Acharya N G Ranga Agricultural University, Lam, Guntur with anobjective to cater the needs of human resources in the field of Food Technology to serve the Industry in Rayalaseema region of Andhra Pradesh and to increase food manufacturing in the state. The College strives to provide quality education to develop skilled human resources in the field of food technology to meet requirements of modernized food processing plants, quality standards &certification, food safety, etc.

The foundation stone of College of Food Science & Technology, Pulivendula was laid by Late Dr. Y. S. Rajasekhar Reddy the then Chief Minister of Andhra Pradesh on 16.08.2008. An area of 32.63 acres of land was acquired through PADA (Puivendula Area Development Authority, Govt. of Andhra Pradesh) funds for the establishment of the college. The College is in the midst of lush green fields of sweet orange gardens served by a water canal passing through the campus making a feast to the nature admirers. The ground floor of the building is having a 6,300 sq. ft. large enough to have class rooms, labs, office, library and an auditorium with a capacity of 200 students.

The intake is 30 students per year from both mathematics and biology streams. From this academic year onwards, considering the increase in demand of Food Technologists the University has increased the intake by another 20 seats during the year 2018-19 making it a total of 50 seats. The admissions are purely merit based on the rank obtained in APMEACET (Entrance test conducted by Govt. of AP). The College provides accommodation to all admitted students both for boys and girls separately. Both the hostels are provided with common facilities like TV, Table Tennis, Reading Room, solar water heater and Gymnasium.

The college takes support of five departments, namely, Dept. of Food Processing Technology, Dept. of Food Process Engineering, Dept. of Food Safety and Quality and Assurance, Dept. of Food Business Management and Dept. Food Plant Operations. To encourage the students in extra-curricular activities, a separate office works under the guidance of Officer-in-Charge Student Activities. Student counselling and placement cell takes care of training and career related issues. The Physical Director serves the college students to keep them fit for the studies and career.

### 6.4.2. Faculty Strength

| S.No. | Sanctioned Faculty | Sanctioned strength | Faculty in place | Redeployed/TA | Vacant position | Faculty recommended by the ICAR/UGC other regulatory bodies |
|---|---|---|---|---|---|---|
| **1.** | Associate Dean | 1 | 1 | 0 | 1 | Yes |
| **2.** | Professor | 4 | 0 | 3 | 1* | Yes |
| **3.** | Associate Professor | 13 | 0 | 3 | 10** | Yes |
| **4.** | Assistant Professor (including TAs) | 18 | 7 | 11** | 0 | Yes |
| **5.** | Assistant Librarian | 1 | 1 | 0 | 0 | Yes |

***Visiting faculty:** 1. Dr. C.R. Sukumaran, Former Associate Dean, CFST, Bapatla
2. Dr. S. Kaleemullah, Principal Scientist & Head, PHTC, Tirupati
3. Dr. Sivalakumar, Former Associate Dean, CFST, Bapatla

*** University has advertised for filling up of posts under Assistant Professor & Associate Professor vide notification No.7/RC/2018 Dt: 10.10.2018. Examination for selection was conducted and qualified candidates were displayed in ANGRAU website. Final interviews are yet to be conducted.*

### 6.4.2.1. Faculty Profile (Department wise):

**Department of Food Processing Technology:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Dr. S. Vishnu Vardhan | Assistant Professor | Ph.D. | ANGRAU, Guntur | 12+ |
| **2.** | Mrs. Y. Aruna Kumari | Assistant Professor | M.Sc. (Food Tech.) | PAU, Ludhiana | 5+ |
| **3.** | Mr. K.V.Pramod Kumar | Teaching associate | M.Sc. (Food Tech.) | Vignan University Guntur | 4+ |

**Department of Food Process Engineering:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Dr. D.D. Smith | Associate Dean | Ph.D. | TNAU, Coimbatore | 20+ |
| **2.** | Er. Srikanth, ADT | Assistant | M. Tech. | IIT, | 5+ |

| | | | | | |
|---|---|---|---|---|---|
| | | Professor | (Food Engg) | Kharagpur | |
| **3.** | Mr. Balram Bhagat | Teaching Associate | M.Tech. (Food Engg) | IIT, Kharagpur | 5+ |

**Department of Food Safety & Quality Assurance:**

| S.No. | Name of the Faculty | Position | Highest qualification | University | Experience Years |
|---|---|---|---|---|---|
| **1.** | Mrs. Aruna R. | Assistant Professor | M.Sc. (Biochemistry) | SV University Titupati | 10+ |
| **2.** | Mrs.P. Jayamma | Assistant Professor | M.Sc.(Ag. Microbiology) | ANGRAU, Guntur | 5+ |
| **3.** | Mr. V. Anil Kumar | Teaching Associate | M.Sc. (Microbiology) | Andhra University | 12+ |
| **4.** | Mr. M. Obulesu | Teaching Associate | M.Sc. (Biochemistry) | Nagarjuna University, Guntur | 10+ |

**Department of Food Business Management:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Mrs. Niveditha, K | Assistant Professor | M.Sc. (Ag. Economics) | GKVK, Bangalore | 2+ |

**Department of Basic Engineering:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Mrs. Nazma Hafeeza Sk | Assistant Professor | M. Tech. (Food Engg) | ANGRAU, Guntur | 2+ |
| **2.** | Er. V. Rafi | Teaching Associate | M. Tech. (Electronics Engineering) | Karunya University | 8+ |

**Department of Basic Sciences & Humanities:**

| S. No. | Name of the Faculty | Position | Highest qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Dr.K. Sidda Reddy | Teaching Associate | Ph.D. (Maths) | J N Technol. University, Anantapuramu | 4+ |
| **2.** | Dr. Sambaiah | Teaching Associate | Ph. D. (English) | SV University, Tirupati | 4+ |

### 6.4.3. Technical and Supporting staff

**Sanctioned strength of technical and supporting staff are given below:**

| S.No. | Name of the post | Sanctioned strength | In position |
|---|---|---|---|
| | **Technical &Supporting staff** | | |
| 1 | Administrative Officer | 1 | 1 |
| 2 | Superintendent | 2 | 1 |
| 3 | Senior Assistant | 4 | 1 |
| 4 | Junior Assistants cum Typist | 5 | 1+4* |
| 5 | Shelf Assistant | 2 | 1+2* |
| 6 | Drivers | 2 | 2* |
| 7 | Junior Library Assistant (JLA) | 1 | 1* |
| 7 | Class IV (Office subordinates, Laboratory technicians and Helpers) | **15** | **15*** |
| | **Total** | **32** | **5+24*** |

***Filled through outsourcing basis***

**Technical staff:**

| S.No. | Name of the Dept | No. of lab technicians | Name of the technicians | Supporting staff |
|---|---|---|---|---|
| **1.** | Food Processing Technology | 1+2 | Mrs.Ganga Leela | Mr. Ravi, Mr. Basha Sk |
| **2.** | Food Process Engineering | 1+2 | Mr. Lakshmi Narayana Reddy | Mrs. Sumathi, Mrs. Suguna |
| **3.** | Food Safety & QA | 1+2 | Mr. V. Ravindra Reddy | Mrs. Mastanamma, Mrs. Gowri |
| **4.** | Food Business Management | 1+2 | Mr.Naga Prasad | Mr. Hari Prasad Reddy, Mr. Sudhakar |
| **5.** | Basic Engineering | 1 | Mr. Hussain Peera | |
| **6.** | Basic Sciences & humanities | 1 | Mrs. Rehmath Bee | |

**Supporting Staff:**

| S.No. | Sanctioned | in place | Name of the staff |
|---|---|---|---|
| 1. | Administrative Officer | 1 | Mr. Sk. Azmathullah |
| 2. | Superintendent | 1 | Mr. Y.S. LingaMurty |
| 3. | Senior Assistants | 2 | Mr. K. Munirathnam& Mr. K. Narayana Naik |
| 4. | Shelf Assistant | 2 | Mrs. Kavitha, P<br>Mr. Mallikharjuna Reddy |
| 5. | JLA | 1 | Mrs. Sudha Rani |
| 6. | Class IV | 1 | Mr. Rama Chandra Reddy |

**Other staff:**

| S.No. | Name of the dept | No. of Supporting staff | Name of Supporting staff |
|---|---|---|---|
| **1.** | Watch & ward | 6 | Mr. Ankalreddy, Mr. Nagireddy, Mr. Anji, Mr. ChinnaVeeraiah, Mr. Sreenivasulu, Mr. Mohan Reddy |
| **2.** | Field | 4 | Mr.Narayana, Mr.HP Reddy, Mr. Veeraiah, Mr. Mallanna |
| **3.** | Drivers | 2 | Mr. Naga Subba Reddy, Mr. Veeraiah |
| **4.** | Class IV | 2 | Mrs. Anitha, Mr. Chandra |

**6.4.4. Classrooms and Laboratories:** Mention the number of class rooms and functional laboratories available for the degree programme and justify if it is sufficient to meet the course curricula requirement. Lists major equipment, laboratories, farm facilities, workshops and other instructional units being utilized for the award of the Degree Programme may be given. Mention theory and practical batches for the Degree Programme.

No. of class rooms :4

No. Functional Laboratories : Food Process Technology, Food Process Engineering,
Food Biochemistry, Food Microbiology and Workshop

Workshop Facilities : Separate shed provided for workshop.
Measurements, Carpentry, & Electric arc welding

List of Major equipment :Class room teaching facilities improved by fixing roof mount LCD Projectors, upgrading to HDMI port, improving students amenities like Hostel equipped with solar water heaters, electrical water coolers,procured equipment namely continuous sealer, hand operated hot bar sealing machine, refractometer, Electronic weighing machine, refrigerator, mixer-grinder, microwave oven, hand sieves, murukumoulds, steel drums and Aluminum bowl set, extruder, fruit pulper, ice-cream machine, ribbon mixer, gas oven, tray dryer, deep freezer (horizontal), oven toaster-griller, tilting mixer-grinder, MAP equipment, Vacuum sealing machine, form-fill-seal machine, planetary mixer, digital moisture testing machine, rice testing mill, domestic floor mill, khoa machine, venture-meter and orifice meter, Rota meter, U-tube manometer,

notch apparatus, Reynold's apparatus, vapour compression refrigeration tutor, precision weighing balance, tensile strength tester, digital hot air oven, glass drying oven, microwave oven, thin layer dryer, solar tunnel dryer, freeze dryer, texture analyzer, three-phase auto-transformer, three-phase induction motor, single phase resistive load, single phase inductive load, three phase delta starter, wattmeter, ammeter, voltmeter, ball mill, lab wiley grinder, gyratory sieve shaker, thermal conductivity apparatus, LVDT trainer, Pressure transducer trainer, PLC trainer, Water level measurement trainer, etc.

| S.No. | Name of the Degree Porgramme | Batch of students in theory class | Batch of students in practical class |
|---|---|---|---|
| 1. | B.Tech. (Food Tech.) I year during year 2018-19 | 44 | 22 |
| 2. | B.Tech. (Food Tech.) II year during year 2018-19 | 31 | 15/16 |
| 3. | B.Tech. (Food Tech.) III year during year 2018-19 | 16 | 16 |
| 4. | B.Tech. (Food Tech.) IV year during year 2018-19 | 31 | 15/16 |
| | **Average** | **35** | **17** |

### 6.4.5. Conduct of practical and Hands-on-Training

The practical classes are conducted in the well-lit and ventilated practical labs. The labs are sufficiently provided and funded for successfully conducting practical component. The students are made to soil their hands enough so that they gain personal experience. They are allowed to run the machinery, equipment and instruments under the guidance and constant supervision of teachers. They are also instructed to record the observations and measurements. All courses are stuffed with practical component.

There are six number of Student READY courses accounted for forty numbers of credit hours fully practical. These include courses like Seminar, Research Project, Experiential Learning Programme Modules (ELPM), Industrial Tour and In-plant Training. In all these courses the teacher student ratio is about 1:4. Therefore, there is a close monitoring of students learning progress. In-plant training is an exception to the said ratio as the students are deputed to the Food Industry to hone their practical skills and are fully exposed to the working environment. They are exposed to processing, quality control, certification, labeling, etc., to have Hands- on-Training. During the academic year the students were deputed to fifteen different Food Industries.

Impact of Hands-on-Training:

The students are able to plan and execute their work on their own. The knowledge gained in practical classes is being implemented and exhibited by the students during their ELPM turn. They are able to make their products in attractive labels meeting all legal requirements.

The students claimed in their Curriculum Vitae that they have acquired practical skills in areas like Product design and development, selection of process technology, proximate analysis, Package design, labeling, standards and certification, Plant layout and design, etc.

**6.4.6. Supervision of Students in PG/PhD programmes:** NA

**6.4.7. Feedback of Stake holders (Students, parents, Industries, employers, farmers, etc.):**

1. Student-Teacher meeting has been conducting every three months and the minutes of such meetings are being recorded. The issues raised are communicated to the concerned and the issues are solved at College level as well as University level.

2. The feedback from the students is also collected after completion of semester for their suggestions to improve teaching and learning facilities.

The sample feedback from the parents of the students is attached below:

T. Sreenivasulu,
B.A.,L.L.B.
ADVOCATE
ENR. No. A.P./2954

Cell: 9948486368
PULIVENDULA-516 390.
Y.S.R. Kadapa Dist. A.P.

Date : 28-7-2017

I am T Sreenivasulu parent of T Sowjanya studying IV year B tech (food technology) in college of food science and technology pulivendula. I am very happy with the facilities provided by the college which is helpful for students growth in both academics and extracurricular activities such as sports, cultural, literary events, NSS activities etc. Library facilities are also good. Teachers way of teaching and their interaction with students was good. Associate Dean Dr. D.S. Smith's encouragement about every planning and motivation to achieve their goals was very helpful for students growth. As a parent I am very much happy with the college atmosphere which is helpful for students growth.

T Sreenivasulu

T. SREENIVASULU,
B.A., L.L.B.
Advocate
PULIVENDULA.
Cell : 9948486368

## TO Whom It May Concerns

It is an honour for me that my son is studing in the college of **Food Science and Technology** Pullivendulla, Distt. Cuddapa . This is a new and famous institution in the field of Food Science and Technology (Agriculture) affiliated to ACHARYA NG RANGA Agricultural University , Guntur(A.P.). It is one of the top ranking universities in the field of agriculture.

My first visit to the campus of this institute was on 16 August 2016 for my son Ayush Anand's Admission in 1st year 1st Sem. I was ecstatic to see the location and surroundings of this institution and I found the campus very attractive.

I stayed there for 2 days and also tasted the food in the Mess I found it healthy as well as tasty ,the facilities were very nice which are provided by the institution to students . The hostel facilities and its safety and security System which are given by the college management to the students are also good. The quality of education Lab. Activity and other activities like Social, Cultural and environment related made me very pleased.

I revisited the campus in the 1st week of april 2019 and met the associate dean, Hostel Warden and all other Members of this institution. The counselling process of each and every faculty is very Appreciable.

My best wishes to the institution and its students and staff members.

Thanking You

A.K Choudhary 22/04/19

PGT Geo(INV SGNR-I)

Father of Ayush Anand

Student of 4th year 1st Sem.

CFST Pullivendulla

PGT Geography
INV Mahiyanwali,
Sri Ganganagar Rajasthan
Pincode - 335002

NCML

November 02, 2016

Associate Dean
College of Food Science and Technology
ANGRAU
Pulivendula, AP

Subject: Invitation for discussion on joint research activities

Dear Sir,

Further to our discussion, we would like to invite you to our Hyderabad office for a discussion on collaborating for joint research activities on November 09, 2016. During your visit, we would also like to discuss and finalise on submission of a joint proposal in response to a call from 'SPARSH' programme of Biotechnology Industry Research Assistance Council (BIRAC). Please note that Dr. Suresh Ilapu, CEO, NutriTech shall also be joining the discussion as a collaborator.

We look forward to your presence. A line of confirmation is greatly appreciated.

Best Regards,

R&D

President Supply

Head – R&D

HECTOR BEVERAGES PVT. LTD

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Singam Varaprasad**, a student of **College of Food Science and technology, Pulivendula, Andhara Pradesh**, has completed his internship in our organization from **3rd Apr 2019** to **31st July 2019**.

He was a part of our National level internship Program **"Pulping Project 2019"**

He was punctual, hardworking and his performance, behavior as well as conduct during internship were found to be good.

We wish him all the best!

For Hector Beverages (Sohna) Limited

Mahesh Kumar Sahu
**Corporate Quality Head**

Hector Beverages Private Limited
Plot No. 132, Sector 3, IMT Manesar
Gurgaon, 122050 Haryana
Phone No. 0124-4672200

Corporate Office Address:
Hector Beverages Private Limited
12B, Prestige Ladle Statement
Layout, Tower Circle, Whitefield,
Bengaluru, 560066 Karnataka

The Global Green Company

Global Green Company Limited
[illegible]
Tel : [illegible]

Date: 7th May 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. B. Ganga Bharani, Ms. S.G. Jyotsna, Ms. V.Srirani and Mr. P.Kalyan**, students of **College of Food Science and Technology, Pulivendula, Andhra Pradesh**, have completed their internship successfully in our organization from **9th January, 2019** to **7th May, 2019.**

They were a part of our intensive internship program on Processing of vegetables especially on **"Gherkins Processing"**.

They were punctual, hardworking, sincere and their performance, behavior, knowledge as well as conduct were found to be good.

We wish them all the best in future endeavors.

**For The Global Green Company**

**Authorized Signatory**

Alabama A&M UNIVERSITY

Department of Biological and Environmental Sciences
College of Agricultural, Life and Natural Sciences
P. O. Box 1208
Normal, Alabama 35762
(256) 372-4204 (Office)
(256) 372-5429 Fax

June 9, 2020

**Soraya Rahmanzai**
Project Coordinator
US-India Partnership 2020

Dear Dr. Rahmanzai:

I write this letter of commitment as the Project Director, UH University on the joint project entitled: "*Applications of Cold Plasma Technologies For Enhancing Shelf Life of Horti-Agricultural Commodities Through Technology Exchange and Capacity Building*" being submitted by The Alabama A&M University and College of Food Science and Technology, Pulivendula, Acharya N.G. Ranga Agricultural University, Andhra Pradesh, India for review and funding in the US-India Partnerships 2020 Initiative.

My apologies for the late submission, but I was approached for collaboration with the College of Food Science and Technology a few days ago on the behest of the state government. Over the last three years, I have been serving as the Campus PI at Alabama A&M University on an NSF-EPSCoR project with the University of Alabama in Huntsville as the Lead Institution. I am leading the cold plasma applications in agriculture as part of the $20 Million project with about 12 universities involved. I thought training Indian faculty and students in plasma science and applications would be of immense benefit to the College of Food Science and Technology, India. This project was mostly developed over the weekend, and I will submit the letters of support and commitment from the key project personnel listed on the project's cover sheet. All partners listed have verbally agreed to collaborate as a team for achieving project objectives. We will fulfill all of the proposal requirements in the next couple of days.
I hope you will consider the proposal.

I look forward to your response. Please call me at 256-4578352 (mobile) or via email at srinivasa.mentreddy@aamu.edu , should you have any questions or need more information.

Sincerely,

M. S. Srinivasa Rao

SRINIVASA RAO MENTREDDY, Ph.D.
Professor of Crop Science

**6.4.8. Student intake and attrition in the programme for the last five years:**

The sanctioned strength is increased from 30 to 50 during the academic year 2018-19.

| Name of the degree program me | Actual student admitted in the last five years | | | | | Attrition (%) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **B.Tech (Food Tech.)** | Y1 15-16 | Y2 16-17 | Y3 17-18 | Y4 18-19 | Y5 19-20 | Y1 15-16 | Y2 16-17 | Y3 17-18 | Y4 18-19 | Y5 19-20 |
| | 33 | 36 | 20 | 37 | 40 | 22.50 | 5.14 | 20.00 | 16.20 | 20.00 |

**6.4.9. ICT Application in Curricula Delivery:**

All the class rooms are provided with ceiling mounted LCD projectors. And teachers are teaching with power point presentations which include videos, line diagrams, sketches, bar and sectorial diagrams. The library is provided enough desktop systems with high speed internet and uninterrupted power supply. A spacious computer is also being developed with 30 higher configuration systems to run ICT courses (advanced software like MATLAB, ANSYS, CFD, Lab View, etc.)

**6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and PhD Degree Programmes, separately, and to be presented College-wise.**

**6.4.11. Since the accreditation of Programmes is related to the All India Admission from ICAR and also having weightage for College accreditation, therefore the data presented in the section 6.4 is liable to the verification at any stage.**

**6.4.12. Certificate (Applicable when SSR is submitted for Programme)**

I, the Dean Dr. D. D. Sarma hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding university.

Signature of Dean of the College with Date & Seal

ASSOCIATE DEAN
College of Food Science & Technology
A.N.G.R. Agril. University
PULIVENDULA - 516 390

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# College of Community Science
# Lam, Guntur



# Self Study Report of the Programme

## Acharya N.G. Ranga Agricultural University
## Lam, Guntur – 522034, Andhra Pradesh

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## Self Study Report for the Programme

The Faculty of Home Science is one among the faculties of Acharya N. G. Ranga Agricultural University (ANGRAU) from the year 1964, as per the Land Grant Pattern of United States adopted by ICAR for improving the quality of rural life. Home Science Education was initially designed and structured around the urban home makers and her family and community. With the advent of Agricultural Universities, the focus of Home Science was shifted to the rural family with emphasis on intrafamily resources, since rural families are composite and integrated units which function as both consumption and production units. The curricula was thus formulated in this dimension and appropriately implemented.

As the focus was shifted to application oriented education there was transformation of the role of students from job seekers to job providers, keeping in view the fast changing demands of the community. It laid a foundation for many educational reforms like Rural Home Science Work Experience Programme (RHWEP) in villages, skill and entrepreneurial oriented teaching, four year duration for UG programme, computer aided learning and internship in respective reputed institutions for hands-on training and mission oriented zeal and commitment to work.

The 4$^{th}$ Deans Committee recommended syllabus that had two year general programme followed by two year specialisation with emphasis on practical work for rich hands-on-experience. The academic programme is further strengthened by introducing Experiential Learning which focused on production and marketing skills and resource generation, making Home Science a leading professional Hons. Degree Programme.

The college of Home Science in the united ANGRAU was established at Guntur in the year 2013. Initially the undergraduate programme B.Sc (Hons) Home Science was implemented with the syllabus recommended by the 4$^{th}$ Deans committee upto the academic year 2015-16.

The Fifth Deans Committee constituted by the Indian Council of Agricultural Research proposed revision of course curricula and contents in the context of demand for suitably trained and equipped graduates to meet the changing scenario of employment in public, private, industry and community development programmes. Accordingly the existing nomenclature B.Sc. (Hons) Home Science is rechristined as B.Sc. (Hons) Community Science from the academic year 2016-17.

The Faculty of Home Science, ANGRAU organised a series of deliberations involving the subject experts from other Agricultural Universities and various stakeholders

and made the changes accordingly in the existing course curricula to suit to the needs of present day job market **strictly adhering to the ICAR guidelines**. The student READY (Rural and Entrepreneurial Awareness Development Yojana) programme which was introduced in the undergraduate programme curriculum aims to provide opportunities to acquire hands on experience and entrepreneurial skills among students. The programme facilitates the students to acquire Indigenous Technical Knowledge (ITK) of the locality. Thus the student READY programme helps the students to develop competence, capability, capacity building, acquiring skills, expertise and confidence to start their own enterprise.

**6.4.1. Brief History of the Degree Programme:**

The curriculum of UG and PG programmes focus on five core areas such as Food Science and Nutrition (FSNT), Apparel and Textiles (APTX), Resource Management and Consumer Sciences (RMCS), Human Development and Family Studies (HDFS) and Extension Education and Communication Management (EECM)

**Department of Food Science and Nutrition**

The department of Food science and Nutrition offers a variety of courses related to Foods and Nutrition, which deal with nutritional needs of different age groups, food safety and sanitation, therapeutic diets, community health, nutrition counselling techniques, food product development, food packaging solutions and so on. The mission of the Department of Food Sciene and Nutrition is to contribute to health and well being of the society by offering undergraduate and post graduate courses in Foods and Nutrition. The department is endowed with highly motivated and dedicated faculty, well equipped lab facilities, amenities to extend advanced teaching methods and conveyance of transport for field visits.

**Courses:**

The courses offered in the Department of Food Science and Nutrition are innovative and have a strong practical base to align with the dynamic educational and professional advances in the field of nutritional care.

**Principles of Human Nutrition:** Human Nutrition deals with provision of essential nutrients necessary to support human life and health. Food groups, functions of nutrients and nutrient requirements are dealt in this subject.

**Food Science and Processing:** Food Science is the study of the physical, biological, and chemical nature of food. The subject of Food Science and Processing deals with scientific methods of cooking foods after a thorough understanding of the science behind food.

**Community Nutrition:**

In Community Nutrition, the students learn about the nutritional problems prevalent in the country, assessment of nutritional status of the community, nutrition education and methods of prevention of malnutrition.

**Food and Nutrition Policy and Agriculture:** This course deals with food situation in India, link between Agriculture and food security, food distribution system and macro economic policies. Impact of nutritional programmes on agriculture and vice versa is also studied in detail.

**Normal Nutrition:**

This course focuses on the application of basic principles of nutrition for health promotion of different age groups including maternal nutrition, infant nutrition, nutrition for pre-schoolers, adolescents, adults and the elderly.

**Food Standards and Quality Control:**

This subject deals with importance of quality control and assurance, food laws and regulations, methods of assessing food quality, organoleptic evaluation of foods and food adulteration.

**Clinical Nutrition:** The subject of Clinical Nutrition deals
with pathogenesis of nutritional disorders so that the
dietary management of the diseases can be done according to the clinical manifestation of the disease.

**Diet Counselling:** Diet Counselling is completely practical oriented course. In this subject, the students apply their theoretical knowledge of therapeutic nutrition in live situations. They indulge in role plays for assessment of needs of the patients, prepare education material for diet counselling, set up a diet counselling centre, engage in case studies, organize camps for nutrition counselling for various disease conditions and thus educate the general public.

**Food Analysis:** This subject deals various analytical techniques in determination of physic-chemical characteristics and methods of detection of adulterants in foods .

**Therapeutic Nutrition:** The role of nutritional interventions such as gastrointestinal disorders, cardiovascular disorders, diabetes, obesity and underweight are also taught in this subject.

Food Hygiene and Sanitation: In this course , the principles of food hygiene,food spoilage, food poisoning and health hazards from soil,water and air and methods of overcoming the hazards.

**Food Preservation and Storage:**

Food preservation involves preventing the growth of bacteria, fungi or other micro organisms and to safeguard the natural characteristics of foods during extended storage periods. This course deals with scope of food preservation and storage, principles and methods of food preservation, packing, labelling and storage of food products.

**Department of Apparel and Textiles**

The department of Apparel and Textiles designed course curriculum keep in view the present trend. The curriculum includes courses like computer aided designing where the students acquire knowledge of Textile and Apparel Designing using computers, fashion illustration which helps the students to express their ideas and can be confident to establish their own enterprise in future.

**Mission:**

The mission of the department is to provide qualitative education to the students and to encourage them to take up need based research in the areas of textile and apparel sector to meet the needs of the consumers, dyers, weavers, textile and apparel designers and entrepreneurs. The Department of Apparel and Textiles offers courses to groom the students as professionals in the area of designing, quality analysis and industry management.

**Courses:**

**Textile Science and Fabric Care:** In this course, the student will be introduced with different textile raw materials, their origin and chemical constitution, conversion of fiber into yarn through yarn spinning process as well as conversion of yarn into various fabric developments like woven, knit and other forms of fabrics. With this the student will be able to identify different fibers, yarns and fabrics and their production processes.

**Basics of Clothing Construction:** It makes the student familiar with various sewing equipment essential in sewing room along with their functioning and common problems faced while usage. It imparts knowledge on general terminology and the pre-preparatory processes involved in fabric preparation for garment construction as well.

**Techniques of Fabric Construction**: It familiarize the students with different fabric construction techniques like weaving, knitting, macramé, crochet, felt and their production process based on the end use. They will also be introduced with various machinery used to produce different fabrics such as looms knitting machines.

**Textile Finishes:** It imparts knowledge on various finishes given to the raw fabrics to improve the appearance and natural properties to build up better performance as well as to expand their serviceability. Students are also divulged with different genres of dyes and pigments, their applicability on different fabrics based on the end use.

**Retailing and Merchandising:** students will get to know various types of retailing and their organizational setups, sales promotional techniques and their limitations, role of

merchandiser and his responsibilities, export and import procedures and role of organizations through this course.

**Garment and Accessory Designing**: The students will be given a thorough knowledge on making of different accessories like hats, jewellery, scarves, belts and handbags. They will get to know various beautification materials such as different metals, leather, beads, stones etc,. available from different sources. This will also help the student to develop their creativity and design anything for themselves from jewellery to shoes based on the trend.

**Traditional Textiles and Costumes**: The students will get to know about variety of costumes, distinct textiles and crafts indigenous to different regions and their importance. With this the student will be able to identify the craft based on the color, motif and layout and will be able to get creative design ideas and to merge different embroidery techniques to create new designs.

**Apparel Designing Techniques:** Through this course, the student will get a thorough knowledge on different apparel designing techniques such as drafting, draping and flat pattern method to create patterns according to the design and size following set of rules and standards.

**Computer Aided Designing**: It deals with the introduction of software and usage of software in developing textile and apparel designs and facilitate the student to create two-dimensional drawings or three-dimensional models with specific dimensions.

**Principles of Textile Designing**: This course focuses on basic elements and principles of design and their application in creating various textile designs and aesthetically pleasing garments.

**Apparel Production Management:** It imparts the knowledge on apparel industry management skills such as land, resource, labour management, risks and loss related management to the students. It also helps to understand the status of Indian apparel scenario both nationally and internationally.

### Department of Resource Management and Consumer Sciences

Interior Designing is a specialized programme of the Department of Resource Management and Consumer Sciences (RMCS) in the Faculty of Home Science, which is a future scope of youngsters. This programme mainly focuses to empower the skills on space planning and management, residential and commercial interior designing, landscape designing, functional interior designing and so on.

**Mission**

The department is committed to provide professional level interior design education of the highest quality to students.

**Courses**

**Fundamentals of art and design**: In this course, the students learn the elements of art and principles of design and their application in interiors and also understand the guidelines involved in furniture arrangement, selection of furnishings and table setting. Awareness is created on the materials for covering and finishing interior wall, floor, ceiling surface, treatment to windows and draping methods.

**Housing and Space Management:** In this course, the students gain an understanding of the basic principles of planning a house and designing life space and also get familiarized with housing and space management issues and building services to acquire practical knowledge in designing space for different family needs.

**System dynamics and management of resources:** This course teaches how to manage resources in family and society and its relation to improve the quality of life. It creates importance of Values, goals and standards in the management of Family resources in the community. The decision making process in resource management and the importance of communication Application of Management process to resources- particularly time, money and energy are also covered under this course.

**Ergonomics and Appropriate technologies:** The various means of enhancing the performance and productivity of work, worker and workplace to augment the health, safety and design issues are taught to the students in this course. Basic knowledge is provided to the students in the application of ergonomic principles to design of workplaces and the prevention of occupational injuries. This course also creates awareness on the need for and role of ergonomics in occupational health

**Residential and Commercial Interior Space Designing:** This course trains the students to enhance skills and abilities to develop different residential and commercial and functional interior projects in planning, designing and execution of space. The students get opportunity to practice the application of basic rules of space planning and organization in interior and exterior projects.

**Entrepreneurship development and business management in interior design**: The purpose of the course is to enable the students to acquire necessary knowledge and skills required for organizing and carrying out entrepreneurial activities. By doing this course, the students also inculcate the necessary skills and ability to analyze and understand business situations in which entrepreneurs act and allows them to master the knowledge necessary to plan entrepreneurial activities.

**Computer Aided Designing:** This course mainly imparts skills in detail orientation, excellent drawing abilities, visual communication, and knowledge of design and understanding of computers. It also enables the designers to view objects under a wide variety of representations and to test these objects by simulating real-world conditions.

**Interior design and decoration:** This course facilitates the students to master and understand the drafting and advanced drafting concepts and the use of these skills in drawing the interior projects. The course also authorizes the students to demonstrate ability to produce architectural drawings that include basic hand rendering techniques.

**Event Management:** Through this course, the students obtain a sense of responsibility for the multi-disciplinary nature of event management and also gain competence in identifying the key elements of a conference and the processes involved in venue selection, registration, catering, accommodation, transport, theming, security and entertainment. The students gain knowledge to identify management essentials such as developing budgets, critical paths, work breakdown structures, risk mitigation and contingency planning while planning, analyzing, marketing, producing and evaluating an event.

**Professional Application in Interior Design (Internship):** Students are given an opportunity to gain on-site work experience in interior space planning. They are placed in well established architect firms to work under the guidance of interior design practitioners. This experience enables the students to gain experience in dealing with the clients and boost their confidence.

**P.G. Programme**

Master degree programme deals advanced design concepts while studying research relevant to the design issues. They include:

- Colour and lighting in Interiors
- Consumer Ergonomics
- Energy Conservation in Building Design
- Work and work station design
- Interior Design Business Management
- Furniture design and fabrication
- Advanced CAD for Product Design

**Ph.D Programme**

Doctoral programs train individuals to apply artistic techniques, research and advanced knowledge of interior design practices. Interior design curriculum at doctoral level include

- Occupational Biomechanics
- Managerial Dimensions for Special Groups
- Consumer product design

**Department of Human Development and Family Studies**

The Department of Human development and family studies- HDFS is one among the five disciplines of Faculty of Home Science located in College of Home Science, ANGRAU. The department **o**ffers Under graduate, Post graduate and Doctoral programmes, Conduct research on children and families, organize extension programmes to parents and community and offer guidance and counseling services to children and families.

The department would facilitate in planning need based programmes for different age groups across lifespan. It promotes understanding the exceptionalities in human development and facilitates in developing intervention strategies.

**The objective of the department is to educate and train students, teachers, parents and community** in understanding growth and developmental principles across the lifespan, to offer training in scientific method of child rearing, establishment and management of children's institution and give guidance, counseling and referral services to the families of children with special needs

The Department has highly qualified and experienced faculty, well equipped laboratory, tools and testing materials to cater to the needs of undergraduate and post graduate students.

**Courses**

The department offers various courses which help students to gain knowledge and skills related to growth and development across the life span, early childhood care and education, family counselling and welfare.

**Fundamentals of human development:** The course orients the students on the basic concepts related to human development.

**Life span development-I & II:** The course helps the students to gain knowledge regarding growth and development from conception through infancy, childhood, adolescence, adulthood and old age.

**Educational psychology and early childhood education:** The course helps the students in understanding the importance of early childhood care and education and basic psychological concepts.

**Marriage and family dynamics:** The course gives the knowledge about types and process of marriage, family life cycle, family types, structure and functions of family.

**Family counselling and welfare:** The course helps the students in understanding importance and types of counselling, programmes, policies and schemes for family welfare.

**Children with developmental challenges:** The course helps the students to gain knowledge regarding assessment and intervention techniques of dealing with children with special needs.

**Elective courses:**

The department offers elective courses which enables students to gain specialization in development and establishment of early childhood centers and equip them with skills of counselling and assessment.

**Methods and materials for teaching young children:** the course orients the students on different methods and materials used for teaching young children, planning and implementing activities to promote holistic development of the young children.

**Early childhood care, education and management:** This course helps the students to gain hands on experience in planning and implementing activities for development of children in all domains, management of early childhood care and education programmes and preparing early childhood education project proposal.

**Education and counseling of parents and community:** This course orients students on need and importance of parent and community education, tests and techniques of assessments, organizing counselling sessions and establishing resource centers.

**Developmental assessment of young children:** The course orients on screening and developmental assessment of young children for various developments through different tools and techniques.

**Counseling center**

**The department has 'Aalambana' counseling center to offer guidance and counselling services to** children, adolescents, youth, middle age and elderly people. It deals with the behavioral problems in children, Scholastic backwardness, Children with learning disabilities, Parents having children with special needs, Family problems, Personality development problems, Pre marital counseling, marital problems, Education and work related problems

**Department of Extension Education and Communication Management**

Under Graduate Courses offered in the Department of Extension Education and Communication Management focuses on

**Extension and Rural Development:**

The course is intended to orient the students with the concepts, origin importance of extension education in rural development. It also deals with various institutions and rural development programmes for enhancing the quality of rural life through agriculture and allied sectors.

**Introduction to rural sociology:**

The course provides an appraisal on rural society its patterns, structures, institutions, issues and problems. It also deals approaches to rural planning, improvement and transformation.

**Women in agriculture:**

The course aims to imparting knowledge on the women status and gender issues in Indian context with remedial measures, policies, programmes and institutions for women in agriculture. It also deals with the diversity of women's role in agriculture and allied sectors and empowering them with women friendly technologies.

**Programme development for rural families:**

The course aims in providing first-hand experience in designing, developing, implementation and evaluation of need and resource based extension programmes for rural sector. It also focuses on importance of participatory approaches right from planning to evaluation in collaboration with local bodies and organizations.

**Diffusion and adoption of Homestead technologies:**

The course aims to enable the students to understand the processes of diffusion and adoption. The strategies for transfer of homestead technologies and role of change agent, opinion leader in achieving social change is core concept in the course .

**Extension training management:**

The course aims at improving the professional competence of the individual in conducting extension training programme using various training methods and strategies for bringing desirable change among the trainees. It also provides hands on experience in designing and development of training module.

**Information and communication technologies:**

This course explains the importance of communication and ICT enabled extension services in this digital era. It also emphasizes the impact of ICTs in transforming the society through transfer of technologies.

**Print and Electronic Journalism:**

The course aims at imparting skills in writing, reporting and presenting the facts in print and electronic media using different formats. It also deals with skills required for documentation covering story board preparation, handling of still and video camera and editing for effective presentation.

**Web designing and multimedia production:**

This course provides hands on experience in designing and development of social media sites like web-portals and blogs for effective and rapid dissemination of homestead technologies by using different formats of multimedia.

**Instructional video production:**

The course aims to inculcate script writing skills for videos and documentation skills in preproduction, production and post-production.

**Public relations and social marketing:**

The course aims at providing exposure to various institutes covering different models of public relations. It also provides skill in planning and implementation of programmes in corporation social marketing strategies for the identified problems.

**6.4.1.1. Change in the nomenclature of the programme:**

The arena of Home Science has increased from "Home" to a broader perspective of "Community", the course content has reconstructed to provide quality education and hands on experience through skill development curriculum. The Fifth Deans Committee considering contemporary challenges for employability of passing out graduates and to suit the general market needs, for specialized jobs and uniformity in UG degree across the country, recommended to rename the existing UG programme B. Sc (Hons) Home Science as B.Sc. (Hons) Community Science to increase the visibility of Home Science at National as well as global level. In view of the recommendation of the fifth Deans Committee and

to increase the demand for Home Science education, the new UG programme B.Sc (Hons) Community Science was offered with the batch admitted from 2016-17 onwards. The proposal was agreed in the meeting held on 30th July at RARS, Lam, Guntur with all the University Officers, Associate Deans and Heads of the Departments of ANGRAU. The proposal of Faculty of Home Science to rechristen B.Sc (Hons) Home Science as B.Sc. (Hons) Community Science as per Fifth Deans Committee recommendations was placed before the meeting of the Academic Council on 09.06.2017 for ratification. The proposal was ratified vide Resolution No. 2817 of the 98th of the Academic Council meeting (Annexure I).

**6.4.1.2. Mode of admission:**

Admission including selections to the under graduate courses, ordinarily made in the beginning of the first semester of the academic year, shall be in accordance with the regulations laid down from time to time by the University.

The candidates passed intermediate examination in M.P.C, Bi.P.C, M.Bi.P.C stream are eligible to seek admission into B.Sc. (Hons) Community Science. The admissions are open to both boys and girls.

A notification for admission into UG programme is released in the print and electronic media. After scrutiny the eligible applicants will be called for counselling for seeking admission into the programme. Students are selected based on the obtained marks in the intermediate or equivalent courses following the presidential order (Regional allotment), the rule of reservation as per orders of the Government of Andhra Pradesh.

**6.4.1.3. Change in the nomenclature of the departments and credit load:**

Taking into consideration of the Fifth Deans Committee recommendations the change of nomenclature of the departments and the credit load was proposed as stated below. The proposal was approved vide Resolution No. 2819 in the 98th of the Academic Council meeting held on 09.06.2017 (Annexure II).

| S.No | Approved nomenclature of the department | Credit hours |
|---|---|---|
| 1. | Department of Apparel and Textiles | 20 |
| 2. | Department of Food Science and Nutrition | 25 |
| 3. | Department of Resource Management and Consumer Science | 20 |
| 4. | Department of Human Development and Family Studies | 19 |
| 5. | Department of Extension Education and Communication Management | 16 |

**6.4.1.4. Distribution in Credit hours:**

The fifth Deans Committee has recommended to increase the practical content in courses wherever necessary and suggested the common credit hours in eight semesters including student READY Programme between 170 to 183 for all the UG programmes. The committee has also recommended to include courses on Yoga Practices and Human Values and Ethics in the list of non-credit courses.

In view of the recommendations the credit hours distribution for B.Sc. (Hons) Community Science programme is as stated below (Annexure III).

| Sl.No. | Courses | B.Sc (Hons) Community Science |
|---|---|---|
| 1 | Basic supporting courses | 30 |
| 2 | Core courses/Common courses | 100 |
| 3 | Elective courses | 06 |
| 4 | Student READY<br>ELP<br>RAWE<br>Internship | <br>20<br>10<br>10 |
| 5 | Non-Gradial | 07 |
| | **Total** | **183** |

The proposed programme B.Sc. (Hons) Community Science has no specialization at UG level. In the new programme the fifth Deans committee has recommended to include Basic courses and Non-gradial courses along with core courses. The following six courses of 15 credit hours and Non-gradial courses of 7 credit hours are included in the programme. The proposal was approved vide Resolution No. 2820 in the 98$^{th}$ of the Academic Council meeting held on 09.06.2017.

**6.4.1.5. Basic supporting courses of Science and Humanities and Non-gradial courses:**

The Fifth Deans committee has recommended the inclusion of following basic supporting courses of Science and Humanities, along with core courses and the student READY programme in the final year.

| **Modified and recommended** | | |
|---|---|---|
| **Course No.** | **Course Title** | **Credit Hrs** |
| CSBC 101 | General English | 2(1+1) |
| CSBC 102 | Environmental Studies and Disaster Management | 3(2+1) |
| COCA 100 | National Service Scheme | 2(0+2)* |

| | | |
|---|---|---|
| CSBC 103 | Human Values and Ethics | 1(1+0)* |
| CSBC 104 | Technical Writing (English) | 2(1+1) |
| CSBC 105 | Principles of Biochemistry | 3(2+1) |
| CSBC 106 | Introduction to Rural Sociology | 2(2+0) |
| SMCA 107 | Agricultural Informatics | 3(1+2) |
| COCA 101 | Physical Education/Yogic Sciences | 2(0+2)* |
| SMCA 201 | Elementary Statistics | 3(2+1) |
| CSBC 202 | Fundamentals of Food Microbiology | 3(2+1) |
| CSBC 203 | Communication Skills and Personality Development | 3(2+1) |
| CSBC 301 | Elementary Human Physiology | 3(2+1) |
| CSBC 302 | Economics and Marketing | 3(2+1) |
| COCA 300 | Educational Tour | 2(0+2)* |
| | **Basic Supporting** | **30(19+11)** |
| | **Non-Gradial** | **7(1+6)** |
| ***Non-Gradial courses** | **Total** | **37(20+17)** |

A total of 11 courses with a total credit hours of 30(19+11) and 4 non-gradial courses with a total credit hours of 7(1+6) are included in the B. Sc. (Hons) Community Science Programme. There is no deviation from the course content proposed by the fifth Deans Committee. The proposal was approved vide Resolution No. 2821 in the 98$^{th}$ of the Academic Council meeting held on 09.06.2017

**6.4.1.6. Core courses of departments, Elective course, Student READY programme and Semester wise distribution of courses:**

The recommendations of the Fifth Deans Committee regarding the core courses of Departments of Food Science and Nutrition, Apparel and Textiles, Resource Management and Consumer Sciences, Human Development and Family Studies, Extension Education and Communication Management, Elective Courses, Student READY Programme along with Semester wise distribution of courses was placed before the 98$^{th}$ Academic Council Meeting held on 09.06.2017 at Faculty Block, Lam, Guntur and the following are approved vide resolution no.2822 (Annexure IV).

**6.4.1.6.1 Core courses department wise:**

| SL. NO. | Course No. | Department of Food Science and Nutrition | Credit Hours |
|---|---|---|---|
| 1 | FSNT 111 | Principles of Human Nutrition | 3(3+0) |
| 2 | FSNT 112 | Food Science and Processing | 3(2+1) |
| 3 | FSNT 211 | Community Nutrition and Education | 3(2+1) |
| 4 | FSNT 212 | Food and Nutrition Policy and Agriculture | 2(2+0) |
| 5 | FSNT 213 | Normal Nutrition | 2(1+1) |
| 6 | FSNT 214 | Food Standards and Quality Control | 3(2+1) |
| 7 | FSNT 311 | Clinical Nutrition | 3(3+0) |
| 8 | FSNT 312 | Therapeutic Nutrition | 2(1+1) |

| | | | |
|---|---|---|---|
| 9 | FSNT 313 | Food Analysis | 3(1+2) |
| | FSNT 314 | Food Hygiene and Sanitation | 1(1+0) |
| | | **Total** | **25(18+7)** |
| | **Course No.** | **Department of Apparel and Textiles** | |
| 1 | TXAD 121 | Textile Science and Fabric Care | 3(2+1) |
| 2 | TXAD 122 | Fundamentals of Clothing Construction | 3(1+2) |
| 3 | TXAD 221 | Techniques of Fabric Construction | 3(1+2) |
| 4 | TXAD 222 | Textiles Finishes | 3(2+1) |
| 5 | TXAD 223 | Retailing and Merchandizing- Textiles and Apparel | 2(2+0) |
| 6 | TXAD 321 | Garment and Accessory Designing | 3(1+2) |
| 7 | TXAD 322 | Traditional Textiles and Costumes of India | 3(2+1) |
| | | **Total** | **20(11+9)** |
| | **Course No.** | **Department of Resource Management and Consumer Sciences** | |
| 1 | RMCS 131 | Fundamentals of Art and Design | 3(2+1) |
| 2 | RMCS 132 | System Dynamics and Management of Resources | 3(2+1) |
| 3 | RMCS 231 | Financial Management and Consumer Education | 3(2+1) |
| 4 | RMCS 232 | Housing and Space Management | 3(2+1) |
| 5 | RMCS 233 | Ergonomics and Appropriate Technologies | 2(1+1) |
| 6 | RMCS 331 | Residential and Commercial Space Design | 3(2+1) |
| 7 | RMCS 332 | Entrepreneurship Development and Business Management | 3(2+1) |
| | | **Total** | **20(13+7)** |
| | **Course No.** | **Department of Human Development and Family Studies** | |
| 1 | HDFS 141 | Fundamentals of Human Development | 2(2+0) |
| 2 | HDFS 142 | Life Span Development -I | 3(2+1) |
| 3 | HDFS 241 | Life Span Development-II | 2(1+1) |
| 4 | HDFS 242 | Educational Psychology and Early childhood education | 3(2+1) |
| 5 | HDFS 341 | Marriage and Family Dynamics | 3(2+1) |
| 6 | HDFS 342 | Family Counselling and Welfare Programmes | 3(2+1) |
| 7 | HDFS 343 | Children with Developmental Challenges | 3(2+1) |
| | | **Total** | **19(13+6)** |
| | **Course No.** | **Department of Extension Education and Communication and Management** | |
| 1 | EECM 151 | Extension and Rural Development | 2(2+0) |
| 2 | EECM 251 | Programme Development for Rural Families | 3(1+2) |
| 3 | EECM 252 | Women in Agriculture | 2(2+0) |
| 4 | EECM 253 | Extension Training Management | 3(1+2) |
| 5 | EECM 351 | Information and Communication Technology | 3(1+2) |
| 6 | EECM 352 | Diffusion and Adoption of Homestead Technologies | 3(2+1) |
| | | **Total** | **16(9+7)** |

**6.4.1.6.2 Elective Courses:**

The Elective courses are listed under Module I – Product Development and Entrepreneurship and Module II – Community Nutrition and Welfare. The course titles, course numbers and credit hours are furnished below. The students have to register for 6 credits of Elective Courses in fifth and sixth semesters of B.Sc. (Hons) Community Science. Any course among the list of Elective courses will be offered when not less than ten students register for a particular course.

| S.No | Course No. | Course Title | Credit hrs |
|---|---|---|---|
| 1 | FSNT 315 | Diet and Nutrition Counselling | 3(0+3) |
| 2 | FSNT 316 | Food Preservation and Storage | 3(0+3) |
| 3 | FSNT 317 | Food Service and Hospitality Management | 3(0+3) |
| 4 | FSNT 318 | Nutraceuticals and Health Foods | 3(0+3) |
| 5 | TXAD 323 | Apparel Designing Technique-Flat Pattern and Draping | 3(0+3) |
| 6 | TXAD 324 | Fashion Illustrations | 3(0+3) |
| 7 | TXAD 325 | Computer Aided Designing - Pattern Designing | 3(0+3) |
| 8 | TXAD 326 | Principles of Textile Designing | 3(0+3) |
| 9 | TXAD 327 | Apparel Production Management | 3(0+3) |
| 10 | RMCS 333 | Tourism and Hospitality Management | 3(0+3) |
| 11 | RMCS 334 | Event Management | 3(0+3) |
| 12 | RMCS 335 | Interior Design and Decoration | 3(0+3) |
| 13 | RMCS 336 | Computer Aided Interior designing | 4(0+4) |
| 14 | HDFS 344 | Methods and Materials for Teaching Young Children | 3(0+3) |
| 15 | HDFS 345 | Education and Counseling of Parents and Community | 3(0+3) |
| 16 | HDFS 346 | Early Childhood Care, Education and Management | 3(0+3) |
| 17 | HDFS 347 | Developmental Assessment of Young Children | 3(0+3) |
| 18 | EECM 353 | Print and Electronic Journalism | 3(0+3) |
| 19 | EECM 354 | Instructional Video Production | 3(0+3) |
| 20 | EECM 355 | Public Relations and Social Marketing | 3(0+3) |
| 21 | EECM 356 | Web Designing and Multimedia Production | 4(0+4) |

**6.4.1.6.3 Student READY Programme:**

The Student READY Programme is being offered during VII and VIII semesters. The programme is divided into two parts.

1. Rural Awareness Work Experience (RAWE) Programme and Internship/Implant Training
2. Experiential Learning Programme (ELP)

**1. Rural Awareness Work Experience (RAWE) Programme and Internship/Implant Training**

The programme is undertaken by the students during the VII semester for a total duration of 21 weeks (150 days) with a weightage of 0+20 credit hours in two parts with equal weightage of 0+10 credits each viz., RAWE and Internship. During the Internship the students are being attached with institutions to get an experience of the institutional environment.

At the end of the RAWE and Internship /Implant Training, the students are given one week for project report preparation, presentation and evaluation. The students are required to record their observations in the field and in the institute on daily basis and prepare their project report based on these observations.

**2. Experimental Learning Programme (ELP)**

This programme is undertaken by the students during VIII semester for a total duration of 21 weeks (150 days) with a weightage of 0+20 credit hours. The students are allowed to register for any two modules (of 0+10 credit hours each) from the following.

1. Fruit and Vegetable processing
2. Value Addition to Textiles and Printing
3. Manufacturing of consumer durables
4. Event Management
5. Teaching Learning Material (TLM) for Early Childhood Education (ECE) programmes for normal and special children
6. Media products development for marketing promotion
7. Millet Processing
8. Interior designing
9.

| S.no | Course No. | Course Title | Credit hrs |
|---|---|---|---|
| 1. | RAWE 401 | Rural Awareness Work Experience | 10 (0+10)*** |
| 2. | INT 402 | Implant Training/ Industrial attachment | 10 (0+10) |
| 3. | ELP 403 | Experiential Learning Programme (ELP) | **20(0+20)** |

**6.4.1.6.4 Semester wise Course Distribution**

The semester wise course distribution for the course B.Sc (Hons) Community Science from I Semester to VIII Semester is furnished below.

| S.No | Title of the Course | Course No. | Credit Hours |
|---|---|---|---|
| **I Semester** | | | |
| 1 | General English | CSBC 101 | 2 |

| | | | |
|---|---|---|---|
| 2 | Environmental Studies and Disaster Management | CSBC 102 | 3 |
| 3 | Principles of Human Nutrition | FSNT 111 | 3 |
| 4 | Textile Science and Fabric Care | TXAD 121 | 3 |
| 5 | Fundamentals of Art and Design | RMCS 131 | 3 |
| 6 | Fundamentals of Human Development | HDFS 141 | 2 |
| 7 | Extension and Rural Development | EECM 151 | 2 |
| 8 | Human Values and Ethics | CSBC 103 | 1 |
| 9 | National Service Scheme | COCA 100 | 2 |
| | | **Total** | **21 (15+6)** |
| | **II Semester** | | |
| 1 | Technical Writing (English) | CSBC 104 | 2 |
| 2 | Principles of Biochemistry | CSBC 105 | 3 |
| 3 | Introduction to Rural Sociology | CSBC 106 | 2 |
| 4 | Agricultural Informatics | SMCA 107 | 3 |
| 5 | Food Science and Processing | FSNT 112 | 3 |
| 6 | Fundamentals of Clothing Construction | TXAD 122 | 3 |
| 7 | System Dynamics and Management of Resources | RMCS 132 | 3 |
| 8 | Life Span Development - I | HDFS 142 | 3 |
| 9 | Physical Education/Yogic Sciences | COCA 101 | 2 |
| | | **Total** | **24 (13+11)** |
| | **III Semester** | | |
| 1 | Elementary Statistics | SMCA 201 | 3 |
| 2 | Fundamentals of Food Microbiology | CSBC 202 | 3 |
| 3 | Community Nutrition and Education | FSNT 211 | 3 |
| 4 | Food and Nutrition Policy and Agriculture | FSNT 212 | 2 |
| 5 | Techniques of Fabric Construction | TXAD 221 | 3 |
| 6 | Financial Management and Consumer Education | RMCS 231 | 3 |
| 7 | Life Span Development-II | HDFS 241 | 2 |
| 8 | Programme development for Rural Families | EECM 251 | 3 |
| 9 | Women in Agriculture | EECM 252 | 2 |
| | | **Total** | **24 (15+9)** |
| | **IV Semester** | | |
| 1 | Communication Skills and Personality | CSBC 203 | 3 |

| | | | |
|---|---|---|---|
| | Development | | |
| 2 | Normal Nutrition | FSNT 213 | 2 |
| 3 | Food Standards and Quality Control | FSNT 214 | 3 |
| 4 | Textile Finishes | TXAD 222 | 3 |
| 5 | Retailing and Merchandizing - Textiles and Apparel | TXAD 223 | 2 |
| 6 | Housing and Space Management | RMCS 232 | 3 |
| 7 | Ergonomics and Appropriate Technologies | RMCS 233 | 2 |
| 8 | Educational Psychology and Early Childhood Education | HDFS 242 | 3 |
| 9 | Extension Training Management | EECM 253 | 3 |
| | | **Total** | **24 (15+9)** |
| | **V Semester** | | |
| 1 | Elementary Human Physiology | CSBC 301 | 3 |
| 2 | Economics and Marketing | CSBC 302 | 3 |
| 3 | Clinical Nutrition | FSNT 311 | 3 |
| 4 | Garment and Accessory Designing | TXAD 321 | 3 |
| 5 | Residential and Commercial Space Design | RMCS 331 | 3 |
| 6 | Marriage and Family Dynamics | HDFS 341 | 3 |
| 7 | Information and communication Technology | EECM 351 | 3 |
| | | **Total** | **21 (13+8) + 3 Credits Electives** |
| | **VI Semester** | | |
| 1 | Therapeutic Nutrition | FSNT 312 | 2 |
| 2 | Food Analysis | FSNT 313 | 3 |
| 3 | Food Hygiene and Sanitation | FSNT 314 | 1 |
| 4 | Traditional Textiles and Costumes of India | TXAD 322 | 3 |
| 5 | Entrepreneurship Development and Business Management | RMCS 332 | 3 |
| 6 | Family Counselling and Welfare | HDFS 342 | 3 |
| 7 | Children with Developmental Challenges | HDFS 343 | 3 |
| 8 | Diffusion and Adoption of Homestead Technologies | EECM 352 | 3 |
| 9 | Educational Tour | COCA 300 | 2 |
| | | **Total** | **23 (13+10) + 3 Credits Electives** |

### 6.4.1.6. Student READY Programme - Guidelines for implementation:

### 6.4.1.6.1. Guidelines for conducting Rural Awareness Work Experience:

Guidelines for conducting Rural Awareness Work Experience was placed before 99th Academic Council Meeting held on 20.12.2017 and was approved vide Resolution no. 2850. The details are as furnished below.

**Eligibility**

- Students undergoing studies leading to the award of B.Sc. (Hons) Community Science at Agricultural University.

**Accommodation**

- The College shall provide assistance to the students in selection of suitable accommodation for the stay in the village during RAWE. The rent to be paid for the accommodation shall be borne by the students.

**Registration**

- The students have to register for Ten Credits 10(0+10) for Rural Awareness Work Experience (RAWE) during the seventh semester along with internship on the day of registration.
- In case a student fails to be present for registration due to unavoidable reasons, student may be permitted by Associate Dean to register two days late on payment of a late fee as prescribed by the university.
- Under no circumstances the student will be permitted to register after this period.
- Student will have to register for the RAWE programme only when offered next, along with the regular batch.

**Attendance**

- After the orientation, the students will be taken to villages allotted. The student has to live in the village, identify the families and implement the project work with the families and the community.
- The total RAWE is for 10 weeks including orientation and evaluation.
- The attendance of a student shall be maintained by the concerned Subject Matter Specialist (Course Teachers) of the RAWE and particulars are to be furnished to the Programme Coordinator after every fortnight who will in turn communicate to the Associate Dean of the college concerned.
- The minimum attendance required for this programme is 85%. The students registered under RAWE are not allowed to leave the placement (village) on official/personal work or on account of illness or unforeseen reasons without the written permission from Associate Dean/Programme Coordinator.

- They may be permitted for relaxation of 10 percent of required attendance only in case of serious illness duly certified by Government Doctors.
- Attendance particulars of students shall be displayed in the notice board by the Programme Coordinator under intimation to the Associate Dean of the College.
- The student shall be eligible to appear for the final evaluation/ examination, only if attendance requirement is met with.
- The period of stay in the village shall never be extended to make up the shortage of attendance.
- In the event of falling short of attendance, the student has to register the RAWE course when offered next. However, during the period of next registered semester, the student shall not be eligible for RAWE stipend.

**Students discipline**

- All students should maintain good harmony with farmers/villagers/workers during their stay or attachment to village. No other persons/friends or relatives are allowed to stay in the village along with RAWE students.
- The students shall maintain good discipline during RAWE activities. Students whose activities are prejudicial to the interest of the programme /village/institution or subject to indulging in any unethical practices/malpractices shall be suspended from RAWE. The students so withdrawn shall not be paid stipend any more. Such students shall not be permitted to register RAWE courses further in any semester until the stipend is recovered.

**Implementation**

- One coordinator from the Department of Extension Education and Communication Management and five Subject Matter Specialists (SMSs), one from each department will be designated as RAWE course in-charges. The designated RAWE course in-charges of the college are responsible to monitor, supervise and guide the students as per the procedure laid down.

**Stipend**

1. The stipend shall commence from the month a student joins the RAWE/In Plant Training/ Internship/ Industrial attachment etc. for maximum period of six months only.
2. The stipend payable to the student shall be Rs.3,000/- per student per month for a maximum period of six months.
3. The stipend will be admissible to persons of Indian Nationality as defined in the Constitution of India or persons domiciled in India; irrespective of sex, race or religion.

4. Good conduct and regularity in attendance are also implied conditions for the continuance of stipend.
5. A student undergoing RAWE will not be allowed to avail any other fellowship/ scholarship during tenure of stipend of the Council. In case a candidate is already receiving any other fellowship/ Scholarship it has to be surrendered before accepting stipend of the Council. Merit cum means scholarship, Freeship is, however, not covered under the above conditions.

**Schedule of the work plan**

| S.No | Activity | Duration | Place |
|---|---|---|---|
| 1. | Registration, Orientation and preparation for village stay | 1week | Head quarters |
| 2. | Placement, Rapport building with villagers/survey of the families, analysis of data, identification of needs and planning of activities | 1week | Village |
| 3. | RAWE programme implementation | 7 weeks | Village |
| 4. | Report writing and External examination/assessment | 1week | Headquarters |

**Evaluation**

The overall evaluation will be done by the Advisory Committee comprising of RAWE coordinator and course in-charges based on the work presented by the student.

| S.NO. | COMPONENT | MARKS ALLOTTED (%) | | TOTAL (%) |
|---|---|---|---|---|
| | | Internal | External | |
| 1 | Objectives | 5 | - | 5 |
| 2 | Methodology | 10 | - | 10 |
| 3 | Technical programme | 10 | - | 10 |
| 4 | Implementation | 30 | - | 30 |
| 5 | Compulsory activities | 10 | | 10 |
| 6 | Report writing | 15 | - | 15 |
| 7 | Over all evaluation | | 20 | 20 |
| | **Total** | **80** | **20** | **100** |

**6.4.1.6.2. Guidelines for implementation of Internship**

Guidelines for implementation of Internship was placed before 99th Academic Council Meeting held on 20.12.2017 and was approved vide Resolution no. 2851.

. The details are as follows.

The internship is designed independently to serve the interest and abilities of the students while fully respecting the needs of host institutes. The firms or individual

practitioners choosing to participate will serve as mentors to the students, exposing them to the routine challenges of the profession.

To enrich the practical knowledge of the students, internship shall be mandatory in the seventh semester for a period of 10 weeks to the students of B.Sc. (Hons.) Community Science.

In this training, students will have to study a problem in industrial perspective and submit the reports to the college.

**Placement of the Students**

The Head of the Department in consultation with the staff of the department will select the institution(s) for internship four weeks in advance to the internship programme. The institutions that have good infrastructure facilities, modernized equipment and willing to cooperate will be selected. To ensure success of the interns, a structured schedule with 10-12 questions can be administered to the institute to derive the expectations of the institute from the students. This can be one of the criteria for selection of the institute for student placement.

The number of students to be allotted to each institution will depend on the need and mandate of the host institution for taking the interns.

An orientation programme for the students has to be conducted before the commencement of the programme.

**Registration and Orientation**

- The students have to register for Ten Credits 10(0+10) for internship during the seventh semester along with Rural Awareness Work Experience (RAWE) on the day of registration. In case a student fails to be present for registration due to unavoidable reasons, she/he may be permitted by Associate Dean to register two days late on payment of a late fee as prescribed by the university. If a student is unable to complete the internship, she/he will have to register for internship when next offered.
- After the completion of RAWE, orientation will be given by the staff in charge of internship under the guidance of the Associate Dean and other heads of the departments prior to placement.
- The attendance of the student will be maintained by the host institute under close monitoring by the staff in charge of internship. The student should have 100% attendance, but in emergency conditions it can be relaxed to minimum 85%.

- The student will be eligible for the final evaluation only after meeting the minimum attendance requirement. Student failing short of attendance will have to make up the deficit.

**Advisory Committee**

An Advisory Committee will be constituted to initiate, implement and successfully complete the Internship. The Committee will consist of

- Professor and Head of the Department
- Course in-charge of Internship
- Coordinator of the Host Institute

The Professor and Head of the Department from the respective departments of Community Science Faculty will be responsible for the overall monitoring of the Internship Programme.

The course in-charge, under the guidance of Professor & Head of the Department will supervise and monitor all the activities from Registration to completion of the programme. The course in-charge will make fortnight visits to the placement institutions; will maintain a record of all visits made from starting to ending of the programme.

The coordinator of the Host institution is responsible for delegation of work (planning, execution, documentation), guiding the students, monitoring and assessment of day to day activities of the students.

**Programme implementation**

The students shall follow the technical programme during their placement in the industry. Students should maintain a record of tasks performed during the internship and make an assessment of impact of internship on professional and personal development.

**Programme Monitoring and Evaluation**

The course in-charge of internship will be responsible for monitoring the interns regularly on daily basis either by visits to the host institute or by taking feedback from the coordinator of host institute. They will have to report the Head of the Department concerned on weekly basis.

Interns will maintain the daily dairy for their routine activities which they have to show to the course in-charge of internship and coordinator of the host institute. The interns will be required to submit the final comprehensive report before the date specified.

Student's performance will be evaluated by the course in-charge of internship of the college and coordinator allotted to the interns at the host institute where they are placed for internship.

They will be evaluated on the following parameters

| S.No | Component | Marks Internal | Marks External | Total |
|---|---|---|---|---|
| 1 | Technical Programme as per department | 200 | - | 200 |
| 2 | Record &Reports | 50 | - | 50 |
| 3 | Discipline | 50 | - | 50 |
| 4 | Attendance/Regularity | 50 | - | 50 |
| 5 | Presentation of Final report | 50 | - | 50 |
| 6 | Viva-voce | 50 | - | 50 |
| 7 | Evaluation by Host Institute | - | 50 | 50 |
| | | | | **500** |

### 6.4.1.6.3. Guidelines for implementing Experiential Learning Programme

Guidelines for implementation of Experiential Learning Programme was placed before 99th Academic Council Meeting held on 20.12.2017 and was approved vide Resolution no. 2852. The details are as furnished below.

Experiential Learning Programme is one of the components under Student READY Programme that will be undertaken during the VIII semester.

**Eligibility**

Students undergoing studies leading to the award B.Sc. (Hons) Community Science at Agricultural University.

**Duration**

The Experiential Learning will be offered for one semester period in the VIII semester of final year. As the programme is enterprise oriented, students and faculty are expected to attend the activities of the enterprise even on institutional holidays with total commitment for ELP.

**Registration**

The VIII semester of the B.Sc. (Hons) Community Science Programme is ear marked for ELP as an on-campus programme. The registration of ELP shall be done at the college concerned. The EL allotment and registrations shall be done on the first day and orientation on the second day. Registration is permitted even on third day of the programme commencement. Under any circumstances the registration would not be permitted after three days of commencement of ELP.

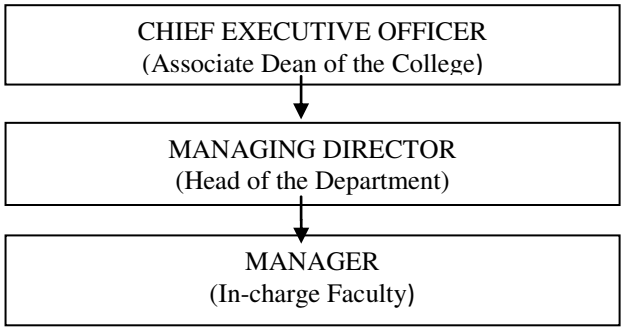
**Working hours**

The students should work for a minimum of 8 hours in a day for all the days of the semester and there is no time limit or restriction of working hours for ELP.

**Attendance**

The minimum attendance required for this programme is 85%. The attendance of a student will be maintained by the teacher in-charge of ELP. The attendance particulars of each student shall be communicated to the Head of the Department every week by the in-charge faculty who in turn will submit it to the Associate Dean. The student will be eligible for the final evaluation of ELP only when the attendance requirement is met with. Any student in the event of recording shortage of attendance has to re-register the EL programme when offered next, along with regular batch.

**Organization structure**




**CEO Responsibilities**

- Orientation
- Introduction
- Setting the objectives

**Managing Director Responsibilities**

- Supervision of need assessment, analysis
- Guidance in preparation of business plan
- Procurement of raw materials
- Production and marketing
- Mentoring, assessment and evaluation

**Manager Responsibilities**

- Orientation – introduction, objectives.
- Supervision of need assessment and analysis
- Guidance in preparation of project proposal
- Arranging for guest faculty
- Guidance in organizing Open house and Office shows
- Monitoring of getting orders from different institutions and individuals

- Hands on training to students
- Supervision of production and marketing
- Mentoring, assessment and evaluation

**Financial management of the ELP Unit**

1. Full Financial Autonomy and delegation of power should be given to CEO, MD and Manager as per the university norms.
2. Student should work for 8 hours and the profit earned should be shared among students department / manager etc.

**Profit Sharing**

- The 50% of the profit will be distributed among students
- Faculty share will be 10% of the profit; faculty includes teaching and non-teaching staff responsible for conducting ELP
- University will get 20% of the profit and which will be included in the central training fund of the university.
- Associate staff including ministerial staff and Class IV will share the 10% of the profit.
- Remaining 10% of the profit will be utilized for the development of facilities by Head of the institution.

**Schedule of Activities**

| No. | EL activity | No. of days |
|---|---|---|
| 1. | Orientation | 3 days |
| 2. | Developing business/service plan and proposal | 7 days |
| 3. | Pre-preparations, designing and standardization of the product / service | 7 days |
| 4. | Production, finishing, costing and sales / hands on experience on particular service | 143 days |
| 5. | Documentation and report submission | 7 days |
| 6. | Presentation and External evaluation | 1 day |
| | **Total** | **168 days / 24 weeks/Semester** |

**Evaluation**

The Associate Dean will nominate a person/constitute a committee for external evaluation. The percentage distribution of marks is as stated below.

| No. | Activity | Marks |
|---|---|---|
| **Internal evaluation:** | | |
| 1. | Developing a business plan and proposal | 10% |
| | Markey survey | |
| | Selection of idea / product to be manufactured | |
| | Innovativeness in the plan | |
| | Creativity | |

| No. | Activity | Marks |
|---|---|---|
| | Realistic plan | |
| | Finding out resources | |
| | Budgeting | |
| | Study of risk factors | |
| | Overall business project plan and presentation | |
| | Preparation of project concept note | |
| 2. | Pre-preparation / standardization/ designing of the product | 10% |
| | Designing of the product / services | |
| | Standardization | |
| | Sample preparation and acceptance | |
| | Costing and pricing | |
| | Time and energy management | |
| | Organisation of resources and its management | |
| 3. | Production and sales | 50% |
| | Regularity in production | |
| | Timely Inspection of the produce | |
| | Maintenance of quality control report | |
| | Labelling and Packaging | |
| | Packing and Accounting | |
| | Organisation of Exhibition / display | |
| | Sales: Sales performance, Sales volume, Profit generated | |
| 4. | Documentation and report submission | 20% |
| | Book keeping: Production and sales management | |
| | Preparation of final report. Process, events photos, videos. | |
| **EXTERNAL EVALUATION** | | |
| 5 | Oral examination | 10% |
| | Presentation | |
| | Viva- voce | |
| | **Total** | **100%** |

**6.4.2. Faculty Strength:**

The faculty of Home Science has well qualified and competent teachers who can ably contribute to the accomplishment of goals of the programme through their teaching skills. The details of faculty strength, sanctioned and in-position, at the College level for teaching B.Sc. (Hons) Community Science Programme is presented in the table below. Out of 7 faculty in position 5 are Ph.D degree holders.

In the process of bifurcation of the University, the staff strength of faculty of Home Science was not allocated to the faculty due to some administrative problems. Hence, the proposal for sanction of new posts as per the ICAR guidelines is pending with the Government of Andhra Pradesh. Till the required posts are sanctioned, temporary arrangement was made by engaging teaching associates against the vacant positions of other faculties of the University to uphold the quality of the programme.

**Faculty Strength**

| S. No. | Designation | Sanctioned Faculty | Faculty in place | Vacant position | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|---|
| 1. | Professor | 1+2**** | 3* | - | 7 |
| 2. | Associate Professor | 4**** | 1** | - | 14 |
| 3. | Assistant Professor | 10 | 5 | 4*** | 28 |
| 4. | Teaching Associates | - | 6 | | |

** One Direct Professor is in sanctioned Professor post. Other two professors are under Professor (CAS)*
*** One Regular Associate Professor appointed in the faculty is posted against one of the vacant Associate Professor in the University.*
**** One regular Assistant Professor was promoted as Professor under CAS*
******Recently sanctioned posts vide G.O.MS.No.71, dated 23.07.2020 of Special Chief Secretary, Government of Andhra Pradesh.*

### 6.4.3. Technical and Supporting staff:

The strength of technical and supporting staff under the B.Sc. (Hons) Community Science programme is given in the following table. The proposal for sanction of new posts as per the ICAR guidelines is pending with the Government of Andhra Pradesh.

**Technical and Supporting staff**

| S. No. | Designation | Sanctioned Faculty | Faculty in place | Vacant Position |
|---|---|---|---|---|
| 1. | Technical staff | 12 | 5+3* | 7 |
| 2. | Supporting staff | 16 | 1+14** | 15 |
| 3. | Field staff | - | - | - |

** 3 posts in technical staff*
***14 posts in supporting staff are filled through outsourcing*

### 6.4.4. Classrooms and Laboratories:

Initially in the year 2013 the college was started in a rented building. The rented building was sufficient for conducting theory and practical classes. Subsequently when the strength of the students was increased in the year 2016, additional building was taken on rent to meet the requirements of increased strength. After the bifurcation of the state and the university with the funds allocated a new college building with a built up area of 1532.17 Sq m was constructed in the first phase, with a provision for horizontal and vertical expansion. In the year 2019 the college was shifted to new building.

The new college building is having three spacious, well ventilated and well furnished classrooms each with an area of 90 Sq. m to meet the needs of first, second and third year students. Two small classrooms were allotted for fourth year students who register for student READY programme. The college building has five equipped laboratories for conducting practical classes. The practical classes are conducted in three batches. Thus the space requirement for undergraduate teaching is met.

Apart from the classrooms and laboratories the college building also has library, computer lab and seminar hall to cater to the needs of the undergraduate programme. The building has got well ventilated staff rooms and administrative block consisting of associate dean office and office room. The seminar hall is being put into use for multipurpose requirements. Thus the space requirement for UG programme for academic and extracurricular activities is being met comfortably. The information regarding classrooms, laboratories and other facilities under B.Sc. (Hons) Community Science is presented in the following tables.

**Classrooms and Laboratories**

| S. No | Particulars | Number |
|---|---|---|
| 1. | Classrooms | 3 |
| 2. | Laboratory | 5 |
| 3. | Library | 1 |
| 4. | Computer lab | 1 |
| 5. | Seminar hall | 1 |

**Laboratories and equipment**

| Name of the Department | Name of the Laboratory | Name of the Equipment |
|---|---|---|
| Food Science and Nutrition | Foods and Nutrition Lab | • Godrej Refrigerator<br>• Micro Wave Oven<br>• Mixer Grinder<br>• Wet Grinder<br>• Gas Stove<br>• Food Balance<br>• Electrical Weighing Scale<br>• Gas Connection, Regulators,<br>• Accessories<br>• Fire Extinguisher<br>• Electronic Balance<br>• Adult Weighing Scale<br>• Electronic Precision Balance<br>• Digital BP Apparatus |

| | | |
|---|---|---|
| | | • BP Apparatus<br>• Digital Weighing Machine<br>• Stethoscope<br>• Height Rod<br>• Infantometer<br>• OTG Bajaj<br>• Brix Refractometer Hand held<br>• Centrifuge machine<br>• Colorimeter<br>• Digital PH Meter<br>• Neubar Counting Chamber<br>• Variable Volume Pipette<br>• Microscopes<br>• Cabinet Dryer<br>• Desktop with Printer<br>• Laptop |
| Apparel and Textiles | Garment and Accessory Designing Lab | • Sewing machines<br>• Cutting tables<br>• Machine stools<br>• Adjustable SS stools<br>• Dress forms (36")<br>• Dress forms (34")<br>• Binocular microscope<br>• Electronic weighing balance<br>• Desktop with Printer<br>• Laptop<br>• High end computers |
| Resource Management and Consumer Sciences | Resource Management and Design applications | • Hand ridger<br>• Naveen manual dibbler<br>• Manual Rotary dibbler<br>• Manual Twin wheel hoe<br>• Manual 4- row rice seeder<br>• Manual cono weeder<br>• Sickles<br>• Maize sheller<br>• Manual groundnut decorticator (Sitting Type)<br>• Manual groundnut decorticator (Standing Type)<br>• Portable charring kiln<br>• Manual double screen grain cleaner<br>• Manual sack holder<br>• Multi fuel cooking stove |

| | | |
|---|---|---|
| | | • Double reflector solar cooker<br>• Solar cabinet dryer<br>• Polar heart rate monitor<br>• Anthropometric Kit<br>• Skin fold calipers<br>• Goniometer<br>• Electronic digital Hand dynamometer<br>• Arm-leg and back dynamometer<br>• Omron Weighing scale<br>• Step counter 3D sensor Pedometers<br>• Thermo Hygrometer<br>• Blood pressure Monitor<br>• Manual weeder<br>• Peg tooth weeder<br>• Electronic digital balance<br>• Wooden step stool<br>• Sealing machine<br>• Apex electronic balance<br>• Desktop with Printer<br>• Laptop |
| Human Development and Family Studies | Human Development Lab | • Assessment tools<br>**a) Psycho-social Development**<br>o Mental health battery<br>o Self confidence scale<br>o Self concept scale and questionnaire<br>o 16 personality factor test<br>o Frustration test<br>o Dimensions of temperament scale<br>o Coping strategy scale<br>o Student level of aspiration scale<br>o Level of aspiration scale<br>o Problem checklist<br>o Life satisfaction scale<br>o Teachers attitude scale<br>o Eight state questionnaire<br>o State trait anxiety inventory<br>o Dimensions of rigidity scale<br>o Parental attitude scale towards preschool education<br>o Marital adjustment questionnaire<br>o Rosters lotus of control scale<br>o Family pathological scale<br>o Behavioural checklist for screening the |

| | | |
|---|---|---|
| | | learning disabled<br>o School Environment Inventory (SEI-M)<br>o Emotional maturity scale<br>o Social adjustment scale<br>o Social maturity scale<br>o Vineland Social emotional scale<br>o Scale on emotional competencies<br>o Dimensions of friendship scale<br>o Moral judgment<br>o Security insecurity inventory<br>o Indian Adoption of Maslow's Security-Insecurity Feeling Inventory<br>o Home environmental inventory<br>o Family relationship inventory<br>o Parent child relation test<br>o Carrier and family value scale<br>o Parenting scale<br>o Moral value scale<br>o Socio-emotionl scale<br>o Family environment scale<br>o Academic anxiety scale<br>o Comprehensive scale of tension<br>o Value conflict scale<br>o Behavioural observational scale<br>o Peer pressure scale<br>o Comprehensive value scale<br>o Comprehensive interest test<br>o Type A/B behavioural pattern scale<br>**b) Language Development**<br>o Verbal intelligence test<br>o Peabody picture vocabulary test<br>**c) Cognitive Development**<br>o Gessel's drawing test of intelligence<br>o Draw a man test<br>o Cognitive style inventory<br>o Group test of intelligence<br>o Raven's coloured progressive matrices<br>**d) Psycho-motor Development**<br>o BSID (Baley Scale for Infant Development)<br>o DASI (Developmental Assessment for Indian Infant)<br>**e) Others**<br>o Comprehensive modernization inventory<br>o Socio economic status scale |

| | | |
|---|---|---|
| | | ○ Carrier and family value scale<br>○ Guidance needs inventory<br>○ Muthayya's job satisfaction questionnaire<br>○ Vocational preference scale<br>○ Teaching aptitude scale<br>○ Functional assessment checklist for programming<br>○ Scale for Entrepreneurship |
| Extension Education and Communication Management | Multimedia Lab | • Exhibition display system<br>• Digital Video Camera<br>• High end computers<br>• Audio recording and editing equipment |

**Theory and practical batches for the Degree Programme**

| S.no | Degree programme | Academic year | Strength | Theory batch | Practical batches |
|---|---|---|---|---|---|
| 1. | B.Sc (Hons) Home Science | 2013-14 | 25 | 1 | 1 |
| | | 2014-15 | 27 | 1 | 1 |
| | | 2015-16 | 35 | 1 | 1 |
| 2. | B.Sc (Hons) Community Science | 2016-17 | 88 | 1 | 3 |
| | | 2017-18 | 72 | 1 | 3 |
| | | 2018-19 | 68 | 1 | 3 |
| | | 2019-20 | 79 | 1 | 3 |

**6.4.5. Conduct of Practical and Hands-on-Training**:

**Food Science and Nutrition:**

The department of Food Science and Nutrition conducts practical classes to the students to impart knowledge on food processing, food preservation, community nutrition, normal nutrition, therapeutic nutrition and food analysis. The students are taught scientific methods of cooking of food, planning of balanced diets for various physiological and therapeutic conditions and counselling for dietary management of nutrition related disease conditions. The students also learn food product development, evaluation of quality of foods and analytical techniques to determine nutrient composition of foods. Apart from laboratory teaching the practical curriculum also exposes the students to real time situations to gain hands on experience in food handling, patient dietary care and nutrition education. For this visits to food processing institutes, hospitals, primary health centres,

anganwadis, schools and exhibitions will be arranged.

**Apparel and Textiles:**

The courses designed for the undergraduate programme students impart knowledge on different textile natural and synthetic fibres, spinning processes of natural and synthetic fibres, fabric construction methods, storage of clothes, clothing requirements of different age groups, different pretreatment finishes, surface finishes, functional finishes, handling of different fabrics for garment and accessory materials based on fashion trends in garments and accessories. Exposure visits are arranged to the students for weaving units at the nearby places of Guntur. The students gain hands on training in the areas like identification of different textiles fibres, fibre testing and analysis, basic sewing techniques, pattern making and draping techniques according to the design, application of different dyes, dyeing and printing techniques, textile designing, traditional textiles, computer aided apparel and textile designing.

**Resource Management and Consumer Science:**

The students are given hands on training in practical class as per the course objectives. The practical manuals have been developed by teachers for all the courses. Students are given instructions on how to carry out the practical exercises. When the practical exercise demands for exposure visits, the students are taken for field visits. Instructions are given to the students on the type of data they need to gather during the visit. After the visits, the students are expected to prepare a report and present in the class and share their experience. In courses related to interior space planning the students are given hands on experience in operating computer software and develop CAD designs. The students gain proficiency in Computer aided interior designing which will help later in their Experiential Learning Programme.

**Human Development and Family Studies:**

The students who have registered the courses like Life span development I & II – School age, adolescents and Early Childhood care, education and management used to conduct practical sessions, plan and implement the Early Childhood Education, Care and Education programmes in the 'Chinmaya School' located at S.V.N. Colony. As the college was located in the Chinmaya school premises the students were permitted to conduct their activities in the nursery school, LKG and UKG classes. For observational visits students were taken to the government and private Early Childhood Education centres like Timekidz, Kidzee and Anganwadi centres located at S.V.N. Colony and nearby places.

After implementation of the fifth Deans committee syllabus, students are being

taken to the Early Childhood Education centres and schools located in Jonnalagadda which is near to the college. Students are implementing their activities in these anganwadi centers. There is place and proposal for construction of laboratory nursery school in the college premises which will be taken up soon.

**Extension Education and Communication Management:**

Community oriented practicals are being conducted by organizing field visits and interaction with institutions to provide first hand information and experience to the students in the courses like Programme Development for Rural Families, Extension Training Management, Diffusion and Adoption of Homestead Technologies.

Media related skills are imparted by involving the students in departmental projects where skill training is given on handling different software in media production. Use of user friendly Open Source Softwares (OSS) is being promoted by the students for continuous usage.

Edutainment approach has been followed to inculcate interest and impart complex concepts related to communication and training management. Guest lectures are being organized to provide interaction with experienced working professionals in the fields of web designing, print and electronic media production.

Students are been placed for a period of two and half months at national institutions like ICAR-NAARM, MANAGE – GoI, Hyderabad for internship where the students are exposed to media related cutting edge technologies through existed MOOCs and electronic labs in the field of e- extension and communication management.

During the third year second semester Educational tour is organized to endow with exposure to various national institutions like NIN, CFTRI, Weavers Service Centre, JNFAU, NIEPID, NIHH, NAARM and MANAGE. This tour enable the students to gain knowledge on the latest developments in the different areas of Community Science.

During Rural Awareness Work Experience programme the students are placed in the rural areas to gain first-hand experience in conducting technical programmes to the clientele considering the field level needs, problems and available resources.

Under Internship programme the students are placed in subject specific institutions like hospitals, counseling centres, special schools, garment industries, boutiques, interior designing studios and national institutions like NAARM, MANAGE to gain knowledge and skills along with work culture for career development.

The students are given hands on training for inculcating entrepreneurial skills through the Experiential Learning Programme in department specific activities which

include catering management, value addition, interior designing, development of teaching and learning material and developmental assessments for young children and designing and development of media products.

### 6.4.6. Supervision of students:

### 6.4.6.1 Supervision of undergraduate students in B.Sc. (Hons) Community Science Programme:

The students on their admission shall be divided into convenient batches by the Associate Dean of the college and each batch is assigned to one of the teachers who are designated as 'Advisor'. Each student immediately after enrolment fills up all the registration cards with the guidance of her advisor. Among other things, the advisor shall help the students in planning the programmes of their studies. The advisor will establish and foster close personal relationship with students assigned to her during their entire stay in the college by having periodical meetings either with the entire batch of students or with each individual student as often as is considered necessary in an effort to know their problems, review their study programmes and take such remedial actions as may be necessary in consultation with the teachers concerned and the Associate Dean. The advisor will maintain a record containing particulars of previous history of the student, courses registered and examinations appeared and grades obtained in each course in each semester.

The advisor holds a meeting for one hour in a week (advisory class) with the students allotted to her at the time earmarked for the class in the timetable. A register is maintained by the advisor to record the issues related to academics, hostel, co curricular and extra-curricular activities that were discussed during the advisory class along with attendance.

For effective functioning of the academic programme faculty are designated with additional duties like Officer in-charge for Academic Matters (OAM), Officer in-charge for Student Affairs (OSA), NSS Programme officers, Hostel Warden and Additional Warden, SC/ST Cell in-charge and Placement Cell in-charge who will be responsible for implementation of the programmes.

### 6.4.6.2 Supervision of PG/Ph.D Programmes:

The postgraduate programme in the faculty of Home Science is under the administrative control of Advanced Post Graduate Centre, ANGRAU, Lam. The PG and Ph.D programmes are being offered in all the five departments viz., Foods and Nutrition,

Apparel and Textiles, Resource Management and Consumer Science, Human Development and Family Studies and Extension Education and Communication Management. The total intake of the students in M.Sc programme is 15 and in Ph.D programme is 4. The faculty of College of Home Science are involved in teaching and guidance of PG students. As per the university guidelines a teacher is eligible to guide not more than 5 students at a time. Eight teachers from the college and six teachers working in KVKs from the faculty are eligible for guiding Postgraduate students.

**6.4.7. Feedback of stakeholders (Students, parents, industries, employers, farmers etc.):**

Feedback of the students is taken during the advisory classes which are held every week. Action is taken on the feedback given by the students after the discussions during the faculty meetings.

Staff – student Council Meetings are held quarterly involving student representatives from each year, faculty holding additional responsibilities (OAM, OSA, NSS officers, Warden, Additional Warden) and senior faculty members . The issues raised are communicated to the concerned and the issues are solved at College level as well as University level.

The parents are encouraged to contact the advisor over phone or in person to know about the progress of their ward in academic performance and regularity in attending classes and obstacles if any. The parents also meet the Associate Dean in person or the office staff to know their wards status in academic performance and administrative matters. The feedback from the students parents is also collected after completion of semester for their suggestions to improve teaching and learning facilities.

Feedback from the industries/institutions is obtained in a prescribed format at the end of the internship programme, which is offered during first semester of the fourth year regarding the academic curriculum and the need for any up gradation in the curriculum (Annexure evaluation format). Feedback from the host institute and host families are being collected during the implementation and evaluation of Rural Awareness Work Experience (RAWE).

The sample feedback from the stakeholders is attached below:

**MANAGE -NATIONAL INSTITUTE OF AGRICULTURAL EXTENSION MANAGEMENT**

(A National University Established in 1987.)

Hyderabad 500032, India

## CERTIFICATE

This is to certify that the thesis entitled **"MULTIMEDIA PRODUCTION"** that is being submitted by**Nova Reena Jemimah. Kalla**in partial fulfillment for the Degree of BACHELORS in Community Science, Department of HECM, Acharya N.G Ranga University, is a record of bonafide work carried out by her under my guidance and supervision.

Prof. Dr. Veenita Kumari,
Deputy Director ,
Department of Gender Studies,
MANAGE- NIAEM,
Hyderabad- 500030.

ANGRAU

# CERTIFICATE

ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
COLLEGE OF HOME SCIENCE
INTERNSHIP

Certified that this is a bonafide certificate of practical work done and data collected By K. GAYATHRI bearing Id No GH/16-087 in Internship programme during I semester of final year B.Sc (Hons) Home science course during ,the academic year 2019 -2020.

Signature of [illegible]

Signature of Course In Charge :

Dr. S. Prasanthi, Ph.D.
Asst. Professor
Department of Human Development and Family Studies
College of Home Science
Acharya N.G.Ranga Agricultural University
GUNTUR - 522 006

Date :

Institute Rubber Stamp

DIRECTOR, INTEGRATED RESEARCH & REHABILITATION
REGD. NO : 1634 / 08
NARASARAOPET, GUNTUR DIST.

MANO JAGRITHI

Dr. GEETHA CHALLA

FOUNDER DIRECTOR

MANOJAGRITHI

KOUKAPUR, HYDERABAD

## CERTIFICATE

This is to certify that **Ms.B Hamsa vardhini**, a student of Acharya N.G Ranga Agricultural University, College of Home Science,Guntur pursuing her **B.Sc (HONS) community science** was an intern at this institute from 3rd September,2019 to 31st October,2019.

She was given exposure to mental health awareness,mental health professionals, counseling process, Basic counseling skills, interventions, case sheet writing, student counseling, organizing workshops, preparation of teaching learning material for special needs children, counseling centre management, clients file maintenance, visits, special celebrations and documentation of events

The intern has shown dedication and commitment towards the internship

Dr. GEETHA CHALLA

Dr. Geetha Challa
M.A, M.Sc., M.Sc.W, Ph.D
Psychologist
REGISTRATION

Scanned with CamScanner

## CERTIFICATE

This is to certify that this is a report of internship work done by **Ms. B. Keerthi Sai (GHO15-013) & Ms .S. Vasiari (GHO15-033) who are** bonafide students' of B.Sc. (Hons) Home Science IV year II Semester, College of Home Science, Acharya N.G.Ranga Agricultural University, Guntur Pin code- 522006, underwent internship at XSM division, ICAR- National Academy of Agricultural Research Management, Rajendranagar, Hyderabad from 21-2-2019 to 30-4-2019.

**Signature of course in charge**

BHARAT S SONTAKKI

**Signature of internship in charge**

V. K.J.Rao

# PREFACE

India is a country of Six lakh forty eight thousand villages and more than 70% of the population lives in villages. The women and children in rural areas suffer from lack of education, health facilities and malnutrition. With this scenario, the two interns of Acharya N. G. Ranga Agricultural University, Guntur were sent to XSM division, ICAR-NAARM to undergo internship programme. They got an opportunity to apply the knowledge gained in BSc (Hons.) Home Science courses like Home Science Extension and Communication Management (HECM), Human Development and Family Studies (HDFS), Foods and Nutrition (FDNT), Resource Management and Consumer Science (RMCS), Apparels and Textiles (TXAD) technologies in the rural areas. They have identified gaps existing with respect to malnutrition, status of education, standard of living in rural areas. We found that bringing awareness and empowering the rural youth and children on these subjects is the urgent need of the hour. The survey conducted has identified gaps at grass root level. There is tremendous scope to apply the Home Science knowledge to bring in prosperity, improved Nutrition, and finally, empowerment and better standard of living of women and children in Rural India.

Lastly, the two interns are sincere, hardworking, and industrious. The XSM division wishes them a very best in their future endeavors.

Place: HYDERABAD

Date: 30th April 2019

Dr. Bharat. S. Sontakki
XSM Division
ICAR- NAARM

भारत एस. सोंताक्की / BHARAT S. SONTAKKI
प्रधान, विस्तार प्रबंधन प्रभाग / Head, XSM Division
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INTERNSHIP CERTIFICATE

This is to certify that this is a bonafide record of dissertation work entitled "[illegible] Diabetics" done by G.Sowmitha Priyanka bearing Id no [illegible] (Batch) [illegible] (2013-2017), who has done her internship for 3 months i.e., 10-1-2017 to 10-4-2017 at Government General Hospital, Guntur as a part of her academics.

Dr. Kuchibhotla Lakshmi,
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Dept.of Foods and Nutrition

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Dr.B.V.Rama Kumari 10-4-17
Chief Dietician,
Government General Hospital, Guntur.

CHIEF DIETICIAN
Govt. General Hospital,
GUNTUR.



Personal Touch

Redefine Yourself

Certificate of Internship

This is to certify that Ms/Mr. I. Divya Shri

student of College of Home Science, ANGRAU, Guntur have undergone

training in Designing & Visual Merchandising under the esteemed guidance of

Personal Touch from 22-02-2018 to 26-04-2018

During the tenure she was found hard working & good

K. Padmavani

Faculty

Date 26-04-2018

04 SEP 2019

4/9/2019

To

Sir,

Subject:

Respected Sir,

I am [illegible] working in [illegible] Hospital. Recently my son [illegible] admitted in [illegible] Hospital with [illegible] and [illegible] was done. Due to [illegible] he is suffering from [illegible] and [illegible] is also [illegible]. Now he is [illegible] and [illegible] is also [illegible]. Please [illegible] and [illegible] is also [illegible]. Please [illegible] and [illegible] is also [illegible].

Thanking you,

Yours faithfully,

[illegible]

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### 6.4.8. Student intake and attrition in the programme for last five years:

Year wise information on sanctioned strength, actual intake and attrition in the last five years of the Degree Programme, is given below.

**Student intake and attrition for B.Sc. (Hons) Home Science and B.Sc. (Hons) Community Science Programme**

| Year | Name of the Degree Programme | Actual number of students admitted | Attrition | Attrition (%) |
|---|---|---|---|---|
| 2013-14 | B.Sc. (Hons) Home Science | 27 | 2 | 7 |
| 2014-15 | B.Sc. (Hons) Home Science | 34 | 7 | 21 |
| 2015-16 | B.Sc. (Hons) Home Science | 46 | 11 | 24 |
| 2016-17 | B.Sc. (Hons) Community Science | 110 | 22 | 20 |
| 2017-18 | B.Sc. (Hons) Community Science | 90 | 20 | 22 |
| 2018-19 | B.Sc. (Hons) Community Science | 70 | 2 | 3 |
| 2019-20 | B.Sc. (Hons) Community Science | 95 | 16 | 17 |

### 6.4.9. ICT Application in Curricula Delivery:

ICT is an integral part in teaching. The institute is equipped with latest information communication devices. Computer based instruction is being carried out in the classroom teaching. The departments are equipped with high end computer systems with softwares installed for delivery of respective practical curriculum. Students are trained in use of computer based applications in their practical exercises. Teachers make use of information available in e-courses in different formats like videos, images and animations.



6.4.10. Certificate (Applicable when SSR is submitted for Programme)

I, Dr. LAKSHMI J the Associate Dean hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding university.

Signature of Associate Dean of the College with Date & Seal

# College of Community Science
# Lam, Guntur

## Self Study Report of the College

**Acharya N.G. Ranga Agricultural University**
**Lam, Guntur – 522034, Andhra Pradesh**

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## 6.5. Historical background

The college of Home Science was established in the year 2013 vide G.O.Ms.No.195 dated 03-11-2012 of the Principal Secretary to Government (AGRI), Government of Andhra Pradesh.

Initially the college was established in a rented building located in the campus of Chinmaya Vidyalaya campus, SVN Colony, Guntur. The rented building consists of one pucca building and one building with asbestos roof. The area of the pucca building was 5629 Sq ft and building with asbestos roof was 1344 sq ft. Thus a total of 6973 sq ft was available for the college for class rooms, laboratories, library and staff rooms. The college also had a spacious play ground for students use.

As the strength of the college was increased after bifurcation, apart from the building at Chinmaya vidyalaya campus, SVN colony another pucca building at RVR College campus, SVN colony of Education was taken on rent. The area of the building was 11,200 Sq ft. The building consisted of 8 rooms of different sizes for conducting theory and practical classes. Students were accommodated in the private hostel duly checking the security and safety.

The university has allotted 9.90 acres of land at Jonnalagadda Cross roads, Lam, Guntur for construction of college and hostel buildings. A new college and hostel building were constructed and the college was moved from the rented building to its own building on 01.03.2019. The hostel has 137 boarders accommodated in 25 rooms in two floors.

The college of Home Science at Guntur was initially established with an intake of 25 students in B.Sc. (Hons) Home Science programme. The college has expanded its horizons rapidly in all dimensions from then on.

As per 371D norms and following Presidential order the total seats in degree programme in united Andhra Pradesh were apportioned in the ratio of 64:36 for residual State of Andhra Pradesh and Telengana. Accordingly the admission strength of U G programme was enhanced from 25 to 83 from the year 2016-17. In the same academic year the PG and Ph.D programmes in all five major areas of specialization were initiated under Advanced Post Graduate Centre, Lam, Guntur. Efforts were made to establish long term collaborations between ANGRAU and other state Agricultural Universities through MoUs as per ICAR guidelines to facilitate exchange of knowledge and post graduate work.

The discipline of Home Science is rechristened as Community Science from the academic year 2016-17. The relevance of Community Science in the present scenario

became more apparent when the subject is linked to address the core issues of well-being of community and millennium goals of development through its major areas of specialization. The course curricula was restructured to reorient the course to develop much needed skills and entrepreneurial mind set among the graduates to take up self-employment and contribute to enhance rural livelihood and food security. Community Science is unique field of knowledge with its comprehensive and inter-disciplinary approach from different domains. It had enriched its educational programmes in educating the young girls and boys and catering to the present needs of education in order to meet the rapidly changing demands of community. It encompasses a number of community related courses suited for career development.

The faculty comprises of well qualified and experienced members, actively involved in imparting good standard of education to the students. The college is equipped with Student Counselling and Placement Centre for facilitating students in career oriented perspectives. The faculty is persistently involved in conducting need based community outreach programmes for the rural youth, women and entrepreneurs. The extension activities are intensively carried out in collaboration with Krishi Vigyan Kendra (KVKs), District

Agricultural Advisory and Transfer of Technology Centres (DAATTCs). The faculty of Community Science works in coordination and collaboration with line departments such as Department of Agriculture, Department of Women Development and Child Welfare, Department of Rural Development, Department of Consumer Affairs, Food and Civil Supplies, Khadi and Village Industries, District Industries Corporation, NEDCAP, AP foods and Department of Education.

The faculty has been actively intensifying the promotion of healthy lifestyle changes and entrepreneurial abilities among various individual. Initiated start-up unit in Food Processing and Value addition at Regional Agricultural Research Station (RARS), Lam, Guntur. The unit aims at Standardization of Value added Millet products and generates easily affordable consumer friendly products under the Brand name of “ANGRAU Products”. The faculty has established Diet Counselling Centres, Consumer guidance cell, Child and Family Guidance Cell in the College premises. These centres offer guidance to general public in the respective areas. The centres are rapidly gaining popularity. The faculty under Tribal Sub Plan with funds from ICAR established “Briquetting Manufacturing unit” in RARS, Chintapally and the unit started functioning from the year 2019. The faculty with their knowledge and concern are working in different arenas and contributing for the upliftment of families and community.

The different areas of specialization concentrate on providing sustainable training to the students for various job opportunities. With growing awareness towards health, safety, nutrition and living styles of the society, employment opportunities for Community Science graduates are growing continuously and rapidly. The trained graduates and post graduates are absorbed in Universities, Government departments, Industrial units, Hospitals, Educational institutions, Hotel industries, Apparel industries and similar industries. They also can opt for number of careers as Dieticians in Hospitals, Diet Consultants, Counsellors in Life style clinics, Freelance dieticians, Health Demonstrators, Nutrition Experts in International Organizations, Counsellors, Consultants for Child Development Programmes, Interior Designers and Colour Consultants, Event Managers, Apparel Designers, Fashion Designers, Production Managers in Apparel Industries, Quality Control Inspectors, CAD professionals, Media managers, Scientists in Research Institutions, Teaching Faculty in Universities, Project leaders in developmental projects etc.

In collaboration with agriculture sciences, Community Science can play great role in food and nutritional security. The trained students with their knowledge and concern for human life and development can work effectively with different stakeholders since many of the national development programs are for women, children and community development.

The mission of the faculty is to deliver diversified subject matter content for sensitizing and applying socially relevant multidisciplinary knowledge and refining practices by developing scientific and technical skills in students for betterment of family and community life in today's challenging world.

**Objectives:**

- To impart education through qualitative teaching and learning in order to create proficient manpower to cater the needs of the society.
- To build up abilities and potentials of students through scientific principles, knowledge and experience acquired for optimum living.
- To promote progress of students towards inventive research to add to the eminence of family, community and industry in the challenging life scenario.
- To enable development of entrepreneurial skills in students to encourage enterprise development at various levels.

The curriculum concentrates on five core areas such as Food Science and Nutrition (FSNT), Apparel and Textiles (APTX), Resource Management and Consumer Sciences (RMCS), Human Development and Family Studies (HDFS) and Extension Education and Communication Management (EECM)

**Department of Food Science and Nutrition**

It is a pioneering department in the Faculty of Home Science. The mission of the Department of Food Science and Nutrition is to contribute to health and well being of the society with special emphasis to develop young entrepreneurs in the field of food product development and nutritional counselling.

The saga of the department grew multifaceted by training students for the challenges of a career in the field of Food Science and Nutrition, with a strong technical foundation in food science, processing and preservation, food safety and quality control, food product development, analysis of food composition, dietetics and with imparting practical skills in assessing nutritional problems and provide dietary treatment and counselling.

***Impact on Rural Community***

***1.*** **Improving the Health and Nutritional status**

- Improvement of Nutrition and Health status of farm families through awareness generation programmes and nutritional interventions with special emphasis on vulnerable groups.
- Promotion of Farming Systems for Nutrition (FSN) in collaboration with M.S.Swaminathan Research Foundation to address the malnutrition.

**2. Entrepreneurship promotion**

- Nutri entrepreneurship is promoted by collaborative strategies of ANGRAU and SERP in enhancing the livelihood of small and marginal farmers through Andhra Pradesh Rural Inclusive Growth Project (APRIGP) . The aspects covered under this initiative include nutri garden, backyard poultry, millet value addition and food and feeding demonstrations for pregnant and lactating women and children below 2 years of age.

**3. Enhancing the capacities of filed functionaries through convergence activities .**

- Improvement of knowledge and skills of field functionaries of ICDS programme of Dept. of Women Development and Child Welfare, Govt. of A.P.

- Technical support to Government feeding programmes of the Dept. of School Education and Dept. of Women Development and Child Welfare, Govt. of A.P. like,
  - Mid Day Meals Programme for school children
  - Supplementary Nutrition Programme for Anganwadi children
  - Anna amrutha hastham programme for pregnant and lactating women
  - Take Home Ration (THR) for pregnant and lactating women
- Transfer of technology for preparation of value added products with Cereals and Millets, Fruits and Vegetables, Nuts and Oil seed, Fish and poultry through KVKs and village adoption programme .

***Impact on Urban Community***

***1.*** **Value chain management**

- Established a Food Processing Unit in the year 2016 for training, research and promotion of entrepreneurship among urban people.
- Popularization of millet based value added products through millet fests.

**2. Nutritional counselling**

- Management of diet related disorders through Diet counseling

**Department of Apparel and Textiles**

Department of Apparel and Textiles (APTX) attempts to inculcate entrepreneurship skills to the urban and rural population to generate income and improve standards of living. It focuses to impart skills on sewing techniques, pattern production, dyeing and printing, preparation of various apparel and textile articles to meet the needs of consumers, dyers, weavers, textile and apparel designers as well as entrepreneurs to develop their enterprise.

***Impact on Rural Community:***

***1. Capacity building and entrepreneurship development***

- Imparting skill in extraction of fibres from agricultural waste for making of handicrafts
- Development of fibre handicrafts by SHG groups and marketing
- Development of innovative articles were made of loom waste and learnt to utilize waste in a remunerative way
- Introduction of new designs were introduced in fabric structures in ikats and fabric embellishment like embroidery, dyeing and printing and extraction of natural dyes

***Impact on Urban Community***

***1. Capacity building and entrepreneurship development***

- Establishment of dyeing centres in residential areas
- Trained to work as freelance designers
- Establishment of boutiques
- Production centre for printed goods
- Development of good and innovative designs in handicrafts
- Organisation small scale sewing centers

**Department of Resource Management and Consumer Sciences**

Department of Resource Management and Consumer Sciences (RMCS) attempts to clarify the scope and meaning of management of resources for a larger section of population which includes students, urban and rural families, farmers and state functionaries. It focuses upon ergonomics functional housing interior design and decoration and consumer education for improvement of quality of life.

***Impact on Rural Community***

**1. Capacity building and entrepreneurship development**

- women entrepreneurship development is an important activity especially for unemployed and under employed women and adolescent girls to generate income and improve the standard of living.
- Necessary training in the selected activities for the skill development are given. They are motivated and assisted to start the enterprise on their own and guided in procurement of raw materials packaging the products and marketing.

**2. Resource management and Consumer education**

- It helps families to recognize and make the best use of available resources in and around the home
- Rural people being vulnerable group as consumers are educated on various issues like rights and responsibilities, wise purchasing practices, faulty weights and measures, method of detecting adulterants, misbranding and labelling importance of standardization marks, consumer legal provisions and consumer redressal system to make them become more aware, vigilant, rational and empowered.
- Education on importance of space planning, anthropometry, ergonomic principles and aesthetic point of view are given through practical demonstration on space organization and space planning techniques. Need and importance of

money management, energy management and conservation, environmental cleanliness etc. are also areas dealt through talks and discussions.

**3. Drudgery reduction in farm and home activities**

- To reduce the drudgery of women both at home and also at farm. Low cost energy saving and drudgery reducing techniques like hay basket, Janata fridge, solar dryer, smokeless chulha, to conserve time, human energy and fuel energy are demonstrated. Farming implements like improved sickle, harvesting bag, ring cutter for vegetables, maize Sheller, water trolley are also introduced.
- Farm families are trained to make the effective use of untapped resources farm residues, flowers and dried plant materials etc. to evolve value added products for generating income.

***Impact on Urban Community***

**1. Resource management and Interior designing**

The impact of RMCS in urban areas is mainly seen in terms of space planning techniques to manage limited space effectively and for comfortable living. Greater emphasis is given on ergonomics in interior space planning and this contributed developing universal interiors and also functional interiors for people with special needs. Research on occupational health helped to understand the problems in work environment in home sector, banks, educational institutions, and small and medium scale industries and evolve solutions to overcome the health related problems.

Resource management techniques to enhance quality of life had an impact on urban families

- Consumer education helped urban family understand their responsibilities and fight against unfair trade practices.
- Research on energy saving techniques contributed towards conserving energy resources.
- Interior space planning techniques helped in managing limited space for comfortable living.
- Training in interior design and decoration had given way for interest in aesthetics in residential and commercial environment.
- Emphasis on anthropometry and ergonomics results in designing safe products.
- Interior enrichment with flowers has gained emphasis in both residential and commercial environments. Hence the importance of floriculture and value addition to plant material are given special attention through training.

**Department of Human Development and Family Studies**

The Department of human development and family studies (HDFS) caters to the needs of the parents and community by implementing need based educational and intervention programmes to enhance the knowledge and skill in the areas of developmental assessment, scientific child rearing, infant stimulation, effective parenting.

***Impact on the rural community***

**1. Capacity building and awareness generation**

- Awareness on importance of infant stimulation and developmental outcomes is created to the rural mothers for optimum development
- planning and implementation of parent education programmes on identifying developmental milestones at an early age to prevent handicaps
- Enriching the preschool education component of Angawadi centers through rural home science work experience programme
- Educational and research programmes focus on the vulnerable groups- pregnant, lactating, old and children with special needs to improve their quality of life
- Parents and community are also given guidance and counselling programmes to deal with the behavioral problems and family conflicts
- Educational material useful for literate and illiterate mothers on scientific child care, welfare programmes and schemes meant for the women and children is developed and used to educate the rural families.
- Awareness programmes on issues like female foeticide, exploitation of girl child, legal rights, dowry prohibition, child marriage and domestic violence to the rural community
- Training the rural adolescents regarding menstrual hygiene, gender equality, legal rights, health and sanitation issues through skits and group discussions working in convergence with department of Women Development and Child Welfare.

***Impact on the Urban Community***

***1. Improving the Early childhood care and education***

- Students participate in the urban Anganwadi centers to provide early childhood care and education through theme based play way methods to improve the physical, cognitive, language, psychosocial development of children

- Parent education programmes to improve knowledge, attitude and skills in the areas of positive parenting, behavioural interventions and identification of developmental delays
- Developmental assessments programmes in preschools and give suggestion to the teachers and parents for optimum development
- Developing teaching and learning material for ECE centers to improve the quality of education

**2. Addressing the needs of Children with developmental challenges**

- Planning individualized education programmes for children with special needs and early intervention services to the parents of children with developmental challenges.
- Helping in enhancing the vocational skills of children with special needs in by providing training to the students.
- Creating awareness about breast feeding and child rights through celebration of special days
- Educational material like pamphlets, folders and booklets are developed and distributed to the parents and community workers in the areas of stimulation, parenting and developmental milestones

**Department of Extension Education and Communication Management**

The department of Extension Education and Communication Management imparts knowledge and skill in social and economic dimensions and develops positive attitude towards development, especially rural development with a motto of Enter to learn and leave to serve. The department aims at:

- Developing an appreciation for rural life
- Equipping with knowledge and analytical thinking on policies, programmes and process for empowerment of women.
- Capacity building in developing and delivering extension programmes.

***Impact on Rural Community***

**1. Capacity building and empowerment of farm families**

During Rural Awareness Work Experience (RAWE) programme students stay in a village for two and half months and analyse the needs of families, especially women and children and plan programmes to meet their needs by adopting five families each. To

implement the activities students pool all the available resources– human, infrastructural and environmental resources and coordinated with individuals, institutions through PRA at village level i.e., Self help groups, Farmer producer organisations, Rythu mitra groups etc and at mandal level – Mandal Praja Parishad, Mandal Mahila Samakhyas, Cooperative societies etc.

**2. Transfer of technologies to improve quality of life**

Technologies are transferred to the needy clients by planning short term training programmes during RAWE programme using different extension methods like demonstrations, trainings and exhibitions. Folk media, which is close to the heart of people inspite of modern media, is almost used everyday to motivate rural people for increase in their participation and to stimulate villagers response towards sensitive social issues like child labour, child marriages, alcoholism and gender discrimination apart from mother and child care messages.

Village adoption programme is one of the mandatory activities of ANGRAU. Vejendla village of Chebrolu mandal of Guntur district is been covered in this programme. Department plan and organize programmes in coordination with all the other four departments covering the clientele groups like children of all age groups, adolescent girls, pregnant and lactating mother, SHGs and women entrepreneurs. Rural women are trained in vocational activities for additional income generation and self-employment in the fields of Garment making, fabric embellishment, flower bouquet making and value addition to locally available foods. Drudgery reducing technologies in farm and home activities are also disseminated with the help of local gross root level extension workers.

***Impact on Urban Community***

**Community education and empowerment**

Undergraduate students under practicals for courses like Diffusion and Adoption, Extension Training Management conduct different activities in the slums. The needs and problems of the communities are analysed by using PRA techniques. Programmes are designed and developed based on the results of the need assessment and implement the programme. Community mobilization for action is done on social and health issues like environmental hygiene, personal hygiene and community sanitation and seasonal health problems etc.

### 6.5.1. College Administration

#### 6.5.1.1. College Associate Dean's Office Establishment

The post of Associate Dean was sanctioned by the State Government vide G.O.Ms.No.241/FINANCE (SMPC-I) Department Dt:24.08.2013. University administration nominates the Associate Dean for a period of 2 years based on the seniority and extendable for one more year. At present the post of Associate Dean was vacant and Dean Home Science is acting as In-charge Associate Dean from 24.03.2018 onwards.

#### 6.5.1.1.1 Staff available in the Associate Deans Secretariat:

**The ministerial and supporting staff**

| S.No | Name of the post | Number |
|---|---|---|
| **1.** | Administrative Officer | 1 |
| **2.** | Superintendent | 1 |
| **3.** | Senior Assistants | 2 |
| **4.** | JAC Data Processing Assistant | 3 (Contract Basis) |
| **5.** | Office subordinate / Attender | 3 (Contract Basis) |
| **6.** | Junior Library Assistant | 1 (Contract Basis) |
| **7.** | Mechanic Grade-I | 1 (Contract Basis) |
| **8.** | Record Assistant | 1 |
| **9.** | Sweeper | a3 (Contract Basis) |
| **10.** | Driver (H V) | 1 |
| **11.** | Watchman | 2 (Contract Basis) |
| **12.** | Sanitary Attender | 1 (Contract Basis) |

#### 6.5.1.1.2 Building and infrastructure facilities available in the Associate Deans Secretariat

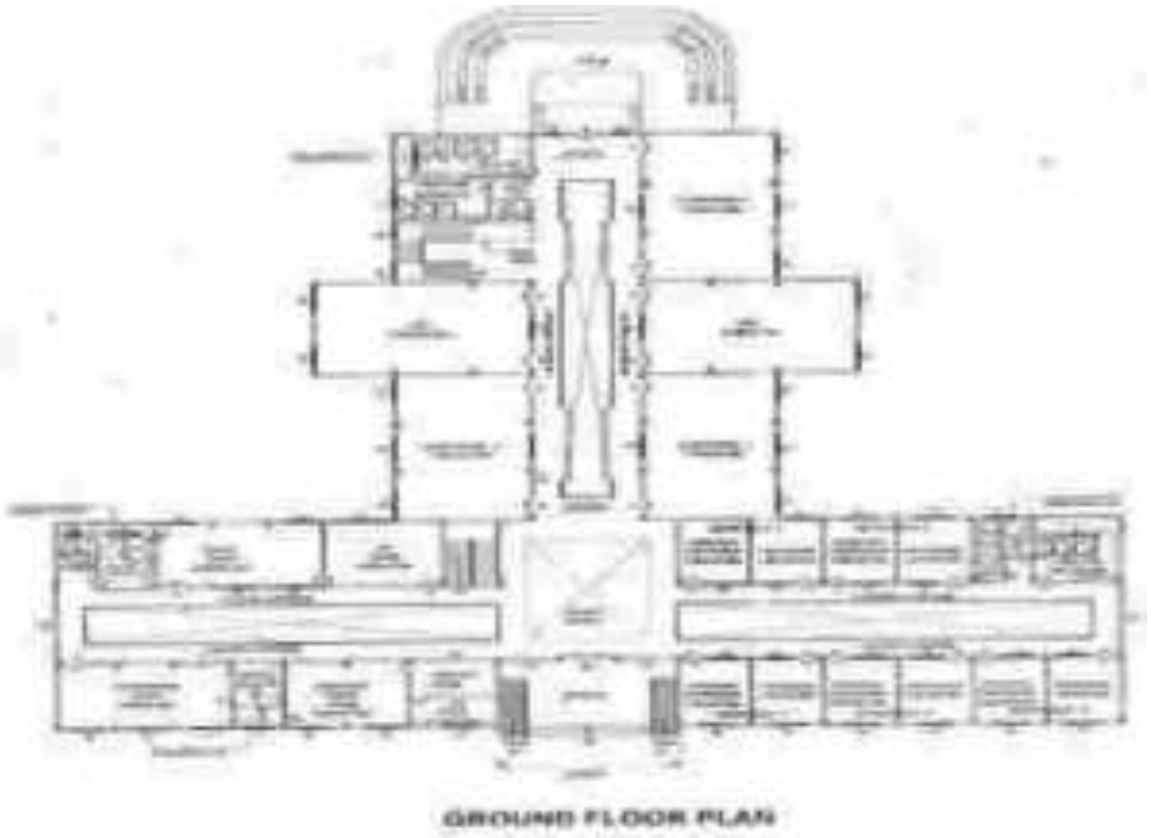
In the year 2013 the college was started in a rented building in Chinmaya School Campus. S.V.N Colony, Guntur. The total area of the building was 5629 Sq ft. In the year 2016 in view of increasing the admission strength of the college two floors at RVR College of Education, JKC College Road measuring 11200 Sq ft, was hired for conducting undergraduate classes. The university has allotted eight acres of land at Jonnalagadda cross roads, Lam, Guntur for construction of college and hostel buildings. From the RIDF funds received from NABARD by the university an amount of Rs. 8.5 crores was allotted for faculty of Home Science. From that amount Rs. 5.00 lakhs was allotted for College and 3.5 crores for construction of girl's hostel. The constructions of both the college and hostel buildings was completed in month of January 2019.

Newly constructed College and Hostel buildings of College of Home Science, ANGRAU at Jonnalagadda cross roads, Lam, Guntur were inaugurated on 22.01.2019. The college was shifted and started functioning in the new college building from 1st March 2019 onwards. The Hostel has started functioning from 1st April 2019 onwards with 137 boarders in 25 rooms in 2 floors.

**Space Available at Associate Deans Office**

| S.No | Office | Area (Sq.mt) |
|---|---|---|
| **1.** | Associate Deans Office | 36.146 |
| **2.** | PA's Office | 11.448 |
| **3.** | Office Room | 47.594 |
| **4.** | Seminar Hall | 51.145 |
| **5.** | Computer lab | 26.42 |
| **6.** | Class rooms (3) | 90 |
| **7.** | Staff rooms (5) | 20.935 |
| **8.** | Department labs | |
| | FSNT Lab | 90 |
| | APTX Lab | 90 |
| | RMCS Lab | 20.935 |
| | HDFS Lab | 20.935 |
| | EECM Lab | 20.935 |
| **9.** | Library | 34.344 |

**Layout of the College:**



### 6.5.1.2. Monitoring Mechanism for Quality Education

The college has a structured mechanism to monitor the quality of teaching, research and extension programmes.

**A. Teaching**: The academic programme is monitored at every step. One way is through a well defined structure as per the university regulations. The academic programme is run according to the academic calendar planned and communicated by the university. The students register the courses and attend the classes regularly as per the timetables set by the college administration.

The mid-semester examinations are conducted after completion of 50% of the syllabus and 50% of working days in a semester. The mid semester examination is conducted 50 marks with a duration of one and a half hours. Answer scripts of mid-semester examinations are evaluated by the concerned course teacher and subjected to the scrutiny by head of the department. Students are given an option to go through the evaluated papers to seek the clarifications from the teacher in awarding marks and the teacher also openly discusses each question and answers.

- The other monitoring system to enhance the quality of education is through counseling where the advisors review the progress of the students weekly and the feedback given by the students are discussed with the concerned course incharges for ensuring the quality education.
- Guest lectures are organized by experienced and eminent faculty working in other institutes for the benefit of the students.
- To conduct practicals apart from the college laboratories, the students are taken to various departments, educational institutions which include schools, anganwadi centers, NGO's located in around the town for providing better hands on experience and exposure.
- Well structured study material has been developed for all the courses by the department faculty. To facilitate the students, reference books are kept available in the library.
- Library is equipped with books and journals. Its kept open from 8.00am to 5.00pm every day. Library hour is maintained in timetable as part of the academic programme. Students visit the library during this hour for making references for their assignments and regular academic activities. Junior Library Assistant assists in searching of books and facilitates the students in accessing e-resources.

- Setting and evaluation of papers for semester final theory examination is done by the course in charge and other faculty in the department to maintain confidentiality. The question paper is scrutinized at three levels and moderated by the staff nominated by the Dean of Community Science.
- Surprise quizzes and assignments are conducted to check the alertness of students and uphold the quality education.

**Impact and Outcome**

- JRF was secured by two students in the year 2018-19 and 2019-20
- Nearly 10 students secured seats in reputed national and ICAR organizations to pursue higher education in the year 2016-17, 2017-18 & 2018-19.
- Three PG students of 2016-17 batch are working as Counselors in Schools
- One PG student of 2016-17 batch is working as Extension Officer in ICDS selected through APPSC.
- Three students of 2014-15 batch are selected for Grama Sachivalaya Volunteers
- Seven PG students of 2016-17, 2017-18 batches have cleared ICAR – NET
- Students have participated and won prizes in Inter college and Inter University sports, games cultural and literary meet in 2014-15 & 2018-19.
- Passed out students are employed in the projects as Research Assistants and Research Associates.
- Experiential Learning students are involved in getting the better hands on experiences.

**Research:** Research is given due importance in the institute. Staff carries out both University funded and external funded research projects like Department of Education. Individual research projects funded by the University are initiated from the year 2016 onwards. Apart from staff research the PG students' research is also carried out every year. The college has faculty research and student research projects considering the thrust areas and current needs of the farming community.

The needs and requirements of the farm families raised at ZREAC & REAC meetings serve as an input into the research programmes of the institute. The research needs and gaps are identified by the head of the departments and department staff, based on which the relevant areas of research are identified.

- The faculty research projects are formulated at college level with the involvement of stakeholders, subject experts and intended clientele. These projects are scrutinized and finalized during State Level Technical Programme (SLTP)

meetings every year with the approval of the Director of Research (vide 6.5.7.5 of the SSR of the college).

- The approved faculty projects are monitored by the head of the departments during implementation and evaluation stage.
- The proposed student research projects and presented are finalized in SLTP meeting. The suggestions of Dean of PG Studies, Dean of Community Science and other staff of the university and college are taken into consideration while finalizing the topics of the research objectives.

**Impact and Outcome**

- The deliverables of the research projects conducted by the faculty are given to Subject Matter Specialists (H.Sc.) of KVKs for technology assessment & refinement under OFT & FLD.
- Project results are published in the journals and extended forms like books, apps and e-modules for further horizontal and vertical spread of information.
- Departmental resources and infrastructure is strengthened with the project funds
- Strengthened linkages with line departments

**Extension**: The College is having a Village Adoption programme with an objective to improve the socio- economic status of the farm families through transfer of technology. Vejendla village of Chebrolu mandal was selected for village adoption programme which is 27kms away from the college and is accessible by road.

- The community oriented activities related to research and teaching are implemented by the faculty and students.
- Awareness programmes and campaigns are organized in the adopted and nearby villages on the special days like Breast feeding week, nutrition week, child rights day, World food day, consumer rights day etc.
- Activities for improving knowledge skills and income of the farm families are addressed through capacity building programmes.

**Impact and Outcome**

- The knowledge and skill of the women farmers, SHG women and extension functionaries improved with the various capacity building activities organized in the adopted village.
- Created awareness on low cost locally available nutri-rich foods to the vulnerable groups

- Created awareness on issues like child rights, consumer rights, women rights etc, in the adopted village and sub urban areas near the college.
- Developed an appraisal on field activities in rural setting among students.

**Administrative structure of the college**

| Teaching | Administration | Hostel |
|---|---|---|
| • Associate Dean<br>• Professor/Head of Department<br>• Associate Professor<br>• Assistant Professor | • Associate Dean<br>• Administrative officer<br>• Superintendent<br>• Senior Assistant<br>• Record assistant<br>• Attenders | • Chief warden (Associate Dean)<br>• Warden<br>• Assistant warden<br>• Supervisor<br>• Mess worker<br>• Attenders |

**Planning process**

| Dean | Associate Dean | Head of the Department |
|---|---|---|
| • Overall administration of the college including academic management<br>• Curriculum revision<br>• Budget allocation at college level<br>• Providing infrastructural facilities<br>• Review the registration process/problems of the students and faculty improvement<br>• Inspection of the departments and office of the college | • Preparation and utilization of the college budget/finance management including drawing and disbursing functions<br>• Prompt preparation and submission of reports and returns etc.<br>• Personnel management (teaching, non-teaching and supporting labourers during the inspection of the college<br>• Implementation of RAWE/Internship/Experiential programme/NSS programmes of the college<br>• Acting as a chief superintendent for conducting the examination<br>• Acting as a chief warden of the college hostel | • Day to day functioning of the department<br>• Department level budget spending<br>• Allocation of courses<br>• Allocation of department level duties<br>• Student evaluation. General administration (tech, non tech., finance) including day to day functions of the department<br>• Allocation of courses/duties and supervising the faculty and supporting staff for the smooth execution of their duties.<br>• Supervising the conduct of examination, evaluation and preparation of performance registers of the department<br>• Procurement of latest books, relevant periodicals, latest equipment<br>• Identifying new technologies for departmental development<br>• Formulation and implementation of income generation programmes. |

**Job charts for various functionaries**

**Dean of Home Science Faculty**

- Chief executive officer of the Home Science faculty and directly responsible to the Vice-Chancellor
- Organize and conduct the teaching, research and extension programs of the faculty
- Formulate and present policies to the Home Science faculty board
- Review the registration and progress of Home Science students and faculty improvement
- Preparation of the budget for the faculty
- Allocation of budget to various departments of the faculty
- As a member, assist Vice-Chancellor in the recruitment and transfer of the faculty
- Review progress and problems of Home Science colleges with Vice-Chancellor
- Inspection of the departments and offices of Home Science college
- Participation in all review meetings organized by Vice-Chancellor as representative of the faculty

**Associate Dean**

- Overall administration of Home Science college including academic management
- Preparation and utilization of the Home Science college budget and finance management (including drawing and disbursing functions)
- Prompt preparation and submission of reports, returns etc,.
- Conduct inspection of the college and departments
- Personnel management (Teaching, Non-Teaching and supporting labourers)
- Maintenance of discipline, law and order in the colleges and hostels
- Supervision of the work of teachers
- Management of physical and infrastructural facilities
- Proper educational use of the infrastructural facilities
- Campus development
- New initiatives and innovations for the development of Home Science colleges
- Implementation of RHWE / Internship / NSS and other programs of the college
- Arranging guest lectures on the Home Science subjects by the concerned eminent speakers
- Acts as a chief superintendent for conducting the examinations (supervise the conduct of examinations, evaluation ad preparation of performance registers)

- Acts as a chief warden of college hostels
- Implementation of income generation plans
- Any other duties assigned by the university

**University Head**

- State wide professional responsibility
- Leadership in the field of subject matter of the department
- Coordinate the activities of concerned departments in the college of Home Science
- Planning, formulation execution, monitoring and review of departmental research / extension programs and material development by the faculty
- Curriculum development, monitoring teaching learning process in the university
- Overall supervision of examination system in her discipline in the university
- Submission of progress reports and teaching programs to the university
- Review of progress in terms of quality and quantity by the faculty in association with head of the department
- Any other duties assigned by the superiors

**Head of the Department (common)**

- General administration (Tech, Non-Tech, Finance, Labour)
- Guide the professor, Assoc. Professor and supervising them for the smooth execution of their duties
- UG and PG teaching and PG student guidance
- Program implementation, general discipline, upkeep and management of department in the college
- Allotment of workload to each faculty in consultation with university head of the department
- Supervise the conduct of examination, evaluation and preparation of performance registers in the department
- Procurement of latest books and relevant periodicals
- Arranging guest lectures
- Supervision of the work of supporting staff
- Formulation and implementation of income generation programs
- Identification of research gaps for suggesting areas for future research
- To take steps to look after new courses, certificate courses etc,. and encourage staff research thorough adhoc schemes submitted to different funding agencies

- To procure latest equipment and identify new technologies for departmental development
- Identifying relevant user agencies, entrepreneurs and line departments
- Identifying job opportunities arising from time to time
- Monitoring consultancy and counselling services
- Any other duties assigned by superiors

**Professor**

- Teaching (UG and PG) and PG research guidance
- Responsible for the management of departmental affairs besides research and extension activities
- Prioritization, formulation and execution of research programs
- Curriculum development, supervision and conduct of the examination, evaluation and preparation of performance registers
- Authoring quality text books and manuals
- Help the Associate dean in conduction and coordinating the activities besides helping in the maintenance of discipline, law and order in college and hostels
- Participation in different administrative and academic committees
- Providing required technical service to the farmers / farm women as and when required
- Maintaining correspondence and records
- Participation in kisan melas, raithu sadassu etc,.
- Identification and execution of income generation plans
- Consultancy and interdisciplinary services
- Implementing adhoc research projects
- Developing low cost technologies suitable for rural families
- Disseminating research finding through appropriate communication media
- Preparing leaflets, folders, booklets, CD's and video cassettes and relevant technologies on subject matter concerned
- Organizing training programs, exhibitions/ open house/ demonstrations/ kisan melas to impart skills/ knowledge
- Participation in village adoption programs
- Any other work assigned by the head/Associate dean/university

**Associate Professor**

- Teaching (UG and PG) and PG research guidance after accreditation
- Responsible for conducting research and extension activities
- Participation in curriculum development and other activities
- Authoring quality text books and manuals
- Arranging guest lecturers whenever necessary
- Assisting the head of the department in the procurement of the departmental requirements
- Maintenance and repairs of laboratory equipment
- Conduct of co-curricular and extracurricular activities assigned by the university
- Management of hostels and other duties assigned
- Effectively serve as advisor to the students
- Conduct of examinations, evaluation and program preparation of performance registers
- Assist head of department in creation and maintenance of facilities including administrative matters
- Coordinating certificates/short courses besides participating in the income generation schemes
- Collection of case studies of successful entrepreneurs, NGO's and alumni etc,.
- Help/ assist Associate dean in maintenance of discipline of law and order in colleges and hostels
- Production/ publication of technical research and extension material
- Implementation of adhoc / departmental projects
- Organizing training programs, exhibitions/ demonstrations/ kisan melas to impart skills/ knowledge
- Participation in village adoption programs, RHWE and other related programs of the college
- Developing low cost technologies suitable for rural families
- Any other work assigned by the head/Associate dean/university

**Assistant Professor**

- Teaching, research and extension
- PG teaching and research guidance after accreditation
- Advisory services to UG and PG students

- Preparation of lecture outlines and lesson plan for the course
- Preparation of audiovisual aids for concerned course
- Preparation of practical manual in consultation with the associate profession
- Collection of case studies of successful entrepreneurs, NGO's and alumni etc,.
- Arranging guest lecturers whenever necessary
- Conduct of examinations, evaluation and program preparation of performance registers
- Extending support to the concerned head in revision of syllabus in keeping up-to-date with the current developments in the field
- Up keep of laboratory for practical classes
- Departmental correspondence
- Maintenance of academic records, stores stock, department library etc,.
- Participation in departmental developmental activities
- Assisting the head of the department in the procurement of the departmental requirements
- Conduct of co-curricular and extracurricular activities as assigned
- Assist Associate dean in maintenance of discipline of law and order in colleges and hostels
- Participation in curriculum development
- Effectively serve as advisor to the students
- participation in income generation schemes
- planning and guidance PG research as an advisory committee member
- Implementation of adhoc / departmental research projects
- Participation in all extension activities of the department
- Functioning as an officer in charge of NSS /other programs of the college
- Any other work assigned by the head/Associate dean/university

**Job chart of Non-Teaching Employees**

**Administrative officer**

- Drawing and disbursing of the salaries, contingencies etc,. of the college. Supervise and direct all the ministerial staff and any other correspondence. Check and sign all the cash books, service registers and stock registers etc,. assist the Associate Dean in all matters of the college and attend any other duties assigned by him.

**Superintendent**

- Distribution of tappals among the section. Preparation of para wise remarks of court cases and issue orders based on the approval of higher authorities. Overall supervision of the section work.

**Senior Assistant**

- Receiving currents from Section Superintendent and to put up files pertaining to the seat, which he / she is attending with rule positions. He/she should acquaint with the administration, accounts, pensions, disciplinary cases, leave rules etc,. and issue orders based o the approval of higher authorities.

**Junior Assistant cum Typist**

- Assisting the senior assistants in administration, finance and academic sections
- Attend typing and computer related works

**6.5.1.3. CC/ Board of studies**

The faculty board and the academic council are the two bodies that monitor the academic issues related to the faculty.

**A. Faculty Board**

The Faculty Board is headed by the Dean of Community Science to address all issues concerned with the academic matters such as formulation of course curricula, syllabi, examinations, student evaluation procedures etc., which are finally referred to the Academic Council for approval. The composition of faculty board includes Dean of Community Science as Chairman, Dean of PG studies, Deans of other faculties, Dean of Student Affairs, University Librarian, Principals of all colleges in the faculty, all heads of departments of the subject taught in the faculty, two eminent scientists from outside the university to be invited by the Dean, all Professors/Senior Scientists/Associate Directors/University heads of the departments and college heads of the departments in the faculty and three representatives of whom to in the cadre of Associate Professor and one in the cadre of Assistant Professor from faculty to be nominated by the Vice-Chancellor.

**B. Academic Council**

The Academic Council is the principal body vested with the responsibility of implementing and monitoring all the academic programmes. The Council is headed by the Vice-Chancellor as the Chairperson and consists of Deans, Director of Research, Director of Extension, University Heads of Departments and Professors as Members. In addition, the Council consists of ten academicians representing different faculties

nominated by the Vice-Chancellor and one representative of the Board of Management. The Council normally meets once in six months.

**Details of the meeting and resolutions given:**

| S. No | Faculty Board | | Academic Council | |
|---|---|---|---|---|
| | **Date** | **Agenda item** | **Date** | **Resolutions** |
| 1. | 27.1.2015 | Evaluation of Semester final Examination papers | 28.1.2015 | Ratified |
| 2. | 27.1.2015 | Staff requirement for handling various course of degree programme | 28.1.2015 | Approved |
| 3. | 27.1.2015 | Need for improvement in infrastructural facilities and increase in student intake | 28.1.2015 | Resolved that the student intake will be increased only after improvement of the infrastructural facilities and staff position |
| 4. | 27.1.2015 | Establishment of Lab nursery school | 28.1.2015 | Approved |
| 5. | 27.1.2015 | Change in UG programme from 2+2 pattern to 3+1 pattern | 28.1.2015 | Deferred till the finalization of V Deans Committee |
| 6. | 27.1.2015 | Starting of new UG programme B.Sc(FSN) -Food Science And Nutrition & B.Sc (FT) – Fashion Technology from 2015-16 | 28.1.2015 | Resolved to start only after development of infrastructure and staff position |
| 7. | 10.9.2015 | Change in evaluation pattern of answer scripts | 11.09.2015 | Approved to entrust the evaluation of Semester Final Answer scripts of various courses duly following the coding procedure and utilizing the services of a teacher other than course in-charge |
| 8. | 10.9.2015 | Request for total sanction of posts proposed while establishing college | 11.09.2015 | Approved |
| 9. | 10.9.2015 | Sanction of funds for celebration of special events | 11.09.2015 | Approved |

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|---|---|---|---|---|
| 10. | 10.9.2015 | Conversion of practical credit to theory credit in Course FDNT 303 | 11.09.2015 | Not approved and decided to maintain status-quo |
| 11. | 10.9.2015 | Request to sanction AICRP on Home Science under ANGRAU | 11.09.2015 | Referred to Director of Research, ANGRAU |
| 12. | 10.9.2015 | Permission to offer few certificate courses | 11.09.2015 | Approved |
| 13. | 10.9.2015 | Permission to establish counselling centers | 11.09.2015 | Approved |
| 14. | 10.9.2015 | Sanction of state plan projects for Home Science faculty | 11.09.2015 | Referred to Director of Research, ANGRAU |
| 15. | 10.9.2015 | Establishment of Millet incubation center | 11.09.2015 | Approved and directed to submit DPR for NABARD funding |
| 16. | 10.9.2015 | Starting of PG programme in all disciplines of Faculty of Home Science at APGC, Lam | 11.09.2015 | Resolved to constitute a committee to start PG programme in all disciplines of Faculty of Home Science at APGC, Lam |
| 17. | 5.1.2016 | Submission of the report of the committee for starting PG programme in faculty of Home Science | 6.1.2016 | Until the Committee report gets approval from academic council status quo will be maintained |
| 18. | 24.5.2016 | Initiation of MSc Food Technology course along with other PG programme | 25.5.2016 | Agreed for discontinuation of MSc (Food Technology) Course |
| 19. | 24.5.2016 | Decision by PJTSAU not to offer BSc (FSN & & BSc.(FT) from 2016-17 onwards | 25.5.2016 | Approved |
| 20. | 8.6.2017 | UG Programme restructured as per Fifth Deans Committee Recommendations<br>(i) To rechristen B.Sc. (Hons) Home Science as B.Sc. (Hons.) Community Science | 9.6.2017 | Ratified |

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|---|---|---|---|---|
| 21. | 8.6.2017 | UG Programme restructured as per Fifth Deans Committee Recommendations (ii) Offering one UG Programme B.Sc. (Hons) Community Science under the faculty of Home Science | 9.6.2017 | Ratified |
| 22. | 8.6.2017 | UG Programme restructured as per Fifth Deans Committee Recommendations (iii) Bifurcation of certain departments, Nomenclature of departments and distribution of credit hours | 9.6.2017 | Ratified |
| 23. | 8.6.2017 | UG Programme restructured as per Fifth Deans Committee Recommendations (i) Total credit hours for B.Sc. (Hons) Community Science under the faculty of Home Science | 9.6.2017 | Approved |
| 24. | 8.6.2017 | UG Programme restructured as per Fifth Deans Committee Recommendations (ii) Basic supporting courses of science and humanities Non-Gradial Course | 9.6.2017 | Approved |
| 25. | 8.6.2017 | UG Programme restructured as per Fifth Deans Committee Recommendations - (iii) Core courses of Departments of Food Science and Nutrition, Apparel and Textiles, Resource Management | 9.6.2017 | Approved |

| | | | | |
|---|---|---|---|---|
| | | and Consumer Science, Human Development and Family Science, Extension Education and Communication Management Elective Courses Student READY Programme Semester wise Course distribution – Elective Courses Student Ready Programme Semester wise Course distribution | | |
| 26. | 19.12.2017 | Institution of Endowment in the name of "Late Sri Papola Murahari Rao" at College level to the student who secures highest OGPA in B.Sc.(Agriculture/B.Sc.(Hons.) Agriculture and at University level to the student who secures highest OGPA in B.Tech (Agricultural Engineering) & B.Sc.(Hons.) Home Science/B.Sc. (Hons.) Community from 2018 | 20.12.2017 | Approved |
| 27. | 19.12.2017 | Change of nomenclature of College and Faculty of Home Science as College of Community Science and Faculty of Community Science | 20.12.2017 | Approved |
| 28. | 19.12.2017 | Admission to Boys in the UG Course B.Sc. (Hons) Community Science | 20.12.2017 | Approved |
| 29. | 19.12.2017 | Extending the Internship facilities outside Andhra Pradesh | 20.12.2017 | Approved |

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|---|---|---|---|---|
| 30. | 19.12.2017 | Certificate Course for AWW on Nutrition and Early Childhood care and Education (ECCE) | 20.12.2017 | Approved |
| 31. | 19.12.2017 | Student READY Programme Guidelines for conducting Rural Awareness Work experience | 20.12.2017 | Approved |
| 32. | 19.12.2017 | Student READY Programme guidelines for implementation of Internship | 20.12.2017 | Approved |
| 33. | 19.12.2017 | Student READY Programme guidelines for implementing Experiential Learning Programme | 20.12.2017 | Approved |
| 34. | 14.6.2018 | Admission of Boys in the UG Course B.Sc.(Hons.) Community Science | 15.06.2018 | Approved |
| 35. | 14.6.2018 | Celebration of certain special events/days related to Home Science curriculum | 15.06.2018 | Approved |
| 36. | 14.6.2018 | Constitution of Ethical Committee (EC) at University level | 15.06.2018 | Approved |
| 37. | 14.6.2018 | Admission to M.Sc. and Ph.D. in Home Science for the Academic year 2018-19 – Certain recommendation regarding increase/decrease in intake of seats | 15.06.2018 | Ratified |
| 38. | 14.12.2018 | Expansion of Lab facilities for all five departments of Home Science to offer B.Sc.(Hons.) Community Science courses as per the recommendations of V Dean's Committee | 15.12.2018 | Deferred as Academic Council cannot do anything in this regard. However the Dean of Home Science informed to submit the proposals and depending up on the availability of funds in |

| | | | | |
|---|---|---|---|---|
| | | | | a phased manner funds will be allocated. |
| 39. | 14.12.2018 | Creation of Department of English along with post of one Assistant Professor at College of Home Science, Guntur | 15.12.2018 | Deferred |
| 40. | 14.12.2018 | Admission to PG/Ph.D courses in the faculty of Home Science in the Academic Year 2019-20 – Decision with regard to number of seats in each department | 15.12.2018 | Resolved to maintain status Quo |
| 41. | 18.6.2019 | Uniform Dress Code for all the students of Agriculture, Agril. Engineering and Technology and Home Science Colleges of ANGRAU | 19.6.2019 | Resolved |
| 42. | 16.12.2019 | i. Rechristen M.Sc (Home Science) to M.Sc (Community Science)<br>ii. Inclusion of agricultural and veterinary courses as basic supporting courses in B.Sc (Hons) Community Science programme | 17.12.2019 | Approved<br><br>Resolved to refer the proposal to the committee to suggest the content, coverage and credit load to offer as basic supporting courses |

**6.5.1.4. Anti Ragging Cell**

To ensure ragging free campus and comfort to the newly admitted students, college level Anti-Ragging Committee is constituted every year and information regarding contact details of the committee members are made available to the students through open display in the college and hostel notice boards. CCTV surveillance is also arranged in the campus to monitor the students and take necessary action. A meeting with Police Officers was organised on security measures taken up in the educational institutions on 14.5.2019.

Teachers are deputed as anti-ragging squad to monitor the junior students' problems during night time in the hostel in the initial months of admissions. A register is also being maintained for recording the visits of the teachers on anti-ragging night duties. The students are also sensitized with anti-ragging posters, banners and personal counseling on anti-ragging. The committee members interact with students in the hostel and college regularly to make the institution ragging free. The details of the anti-ragging activities of the college are furnished below:

**Anti Ragging Committee of the college:**

| S.No | Name of the Member | Representative |
|---|---|---|
| 1 | Dr L. Uma Devi, Dean & Associate Dean i/c,<br>College of Community Science, Guntur<br>Mobile No: 8008987132<br>Email ID: lingareddy.umadevi@gmail.com | Chairman Anti-Ragging Committee |
| 2 | Dr J Lakshmi, Professor & Univ Head<br>College of Community Science, Guntur<br>Mobile No: 8008987132<br>Email ID: jagarlamudi62@gmail.com | Convener Anti – Ragging Committee |
| 3 | Dr. Lakshmi Kuchibhotla, Asst. Professor<br>Mobile No: 9989993506<br>Email ID: lakshmi.kuchibhotla@gmail.com | Faculty |
| 4 | Sri. Bhaskar Rao, Andhra Jyothi Bureau In-charge<br>Mobile No: 9985411218<br>Email.ID: gunturaj@gmail.com | Local Media |
| 5 | Mr. T. Subbarao, Enadu, News Reporter<br>Mobil No: 9700122328,<br>Email.ID: subbaraotella24@gmail.com | Local Media |
| 6 | Smt. M. Ananda Bala, Superintendent<br>College of Home Science, Guntur<br>Mobile No:9989306898 | Non-Teaching |
| 7 | Sri.N. Kruparathnam, Special Branch, Head Constable, Medikonduru Mandalam, Guntur Dist<br>Mobile No: 9490170557 | Parent |
| 8 | Sri. J Vijay Kumar, Baratpet,7$^{th}$ Lane, Sub-Editor Asian Net, Arundelpet, 6$^{th}$ Lane, Guntur, 9347674926 | Parent |
| 9 | G Yogitha, GH017-030, third year | Student member |
| 10 | K. Krishna Sreeja, GH017-038, Third year | Student member |
| 11 | P.Kusuma Reddy, GH018-51, Second year | Student member |
| 12 | P Divya, GH018-49, Second year | Student member |
| 13 | S. Yamuna, GH016-056, Fourth year | Student member |
| 14 | M. Jashnavi, GH016-094, Fourth year | Student member |

**Dates of anti- ragging meetings**

| S.no | Activities | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
|---|---|---|---|---|---|---|---|
| 1. | • Officer in charge student activities (OSA) explained the newly admitted students regarding institutional measures to protect them from the ragging.<br>• OSA and other committee members educated the senior students regarding the Acts related to Anti-ragging and its consequences in the student career.<br>• Involved the senior students in preparation and display of educational material on anti-ragging. | 18.07.2014 | 21.07.2015 | 25.07.2016 | 17.07.2017 | 12.07.2018 | 05.08.2019 |
| | | 25.07. 2014 | 26.07.2015 | 04.08.2016 | 24.07.2017 | 19.07.2018 | 13.08.2019 |
| | | 03.08. 2014 | 10.08.2015 | 06.08.2016 | 01.08.2017 | 28.08.2018 | 22.08.2019 |

**6.5.1.5. Biological waste disposal facility:**

- From the year 2013 to March 2019 the college had tie-ups with the local municipality for disposal of the biological waste. The municipality has provided two bins for collection of bio-degradable and non-degradable waste at two campuses. The waste was collected weekly thrice by the municipality workers for disposal.
- After shifting to new building at Lam village the college has dug a pit to dispose and burn the dry biological waste of the college and hostel. Kitchen waste water is channelized to plants.
- Planning to establish vermi-compost unit in the college premises.

**6.5.1.6 Institutional Ethics Committee for Experiments on Animals**

Research work involving human subjects are carried out after getting the proposal duly approved by the Institutional Human Ethics Committee (IHEC) constituted at university level. The guidelines of ICMR are followed by the committee for approval.

**6.5.1.7. Committee for prevention of Sexual Harassment of women at work places**

The university has established Women Protection Cell to deal the issues related to the Sexual harassment of women vide Memo No. 3391/SAS/2016 dt.29.04.2016 and 09.06.2016 of the Registrar, ANGRAU, Lam Guntur. Accordingly women protection cell was established at College of Community Science on 09-05-2019 to deal with the issues pertaining to Sexual harassment of women.

The following members have been nominated as committee member for Women Protection Cell of College of Home Science, Lam , Guntur for the years 2019-20 to 2020- 21 vide ref Memo. No. A2/36/CHSc/2019 dt.09.05.2019 of Associate Dean, College of Home Science, Lam , Guntur as per the directions received through Cir.Memo.No.22971/Acd/2019 dt.08-03-2019 of Registrar, ANGRAU, Guntur.

**Women Protection Cell Committee for the year 2019-20 to 2020- 21**

| S.no | Name of the Faculty | Designation | Position |
|---|---|---|---|
| 1. | Dr. L. Uma Devi, | Associate Dean | Chairperson |
| 2. | Dr. M.S. Chaitanya Kumari | Professor (EECM) | Member |
| 3. | Dr. K. Lakshmi | Assistant Prof.(FDNT) | Member |
| 4. | Smt.M.Ananda Bala | Superintendent (Office) | Member |

A grievance box is placed in the campus for obtaining complaints from staff and students which will be opened by the committee once in three months and the issues are enquired, discussed and resolved.

So far there are no issues received either by the staff and students in particular to the sexual harassment in the campus.

**Proceedings conducted in the last five years related to the sexual harassment of women**

| Sl.No | Year | Proceedings |
|---|---|---|
| 1. | 2015-16 | No incidents reported |
| 2. | 2016-17 | No incidents reported |
| 3. | 2017-18 | No incidents reported |
| 4. | 2018-19 | No incidents reported |
| 5. | 2019-20 | No incidents reported |

Orientation on the following laws related to women are being given to staff and students.

- The Immoral Traffic(Prevention) Act, 1956
- The dowry Prohibition Act, 1961 (28 of 1961) (Amended in 1986)
- The indecent representation of women (Prohibition) Act,1986
- The Commission of Sati (Prevention) Act, 1987(3 of 1988)
- Protection of Women from Domestic Violence Act, 2005
- The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013
- The Criminal Law (Amendment) Act, 2013

  Accordingly a proposal was sent for organisation of seminar on "Empowering women through education & health care" on 13-09-2019 vide acknowledgement No.NCW/1202112183499/SCW/2019-20/6740

**6.5.1.8. Student- Teacher Council Committee (STC)**

The college has the Student-Teacher Council comprising of experienced faculty, student representatives from each class, faculty holding additional responsibilities (OAM, OSA, NSS Officers, Warden, and Additional Warden). The council discusses and makes decisions for improvement of curricular, co-curricular and extra-curricular activities. The council meets once in every three months.

| S. No | Name and Designation | Members | Contact details |
|---|---|---|---|
| 1. | Dr. L. Uma Devi<br>Dean Faculty of Home Science and Associate Dean i/c | Chairperson | 8008987132<br>lingareddy.umadevi@gmail.com |
| 2. | Dr. J. Lakshmi,Prof. & Univ. Head, Dept. of FDNT | Senior Faculty member | 9885345600<br>jagarlamudi62@gmail.com |
| 3. | Dr. T. Neeraja, Prof. &Univ. Head, Dept. of RMCS | Senior Faculty member | 9000517050<br>neeraja222@yahoo.com |
| 4. | Ms. A. Poornima, Assistant Professor, Dept. of APTX | Officer in-charge for Academic Matters | 8019560208<br>apoorni9781@yahoo.co.in |
| 5. | Dr. K Dhanasree, Assistant Professor, Dept. of EECM | Additional Warden | 9494192229<br>dhanasreekuna@gmail.com |
| 6. | Ms. A. Poornima, Assistant Professor, Dept. of APTX | Officer in-charge of SC-ST Cell | 8019560208<br>apoorni9781@yahoo.co.in |
| 7. | Dr. T. Neeraja, Prof. & Head, Dept. of RMCS | Officer in-charge of Placement. | 9000517050<br>neeraja222@yahoo.com |
| 8. | Dr. M. S. Chaitanya Kumari Professor & Head, Dept. of EECM | NSS Programme Officer | 8331024686<br>chaitanya.benarji@gmail.com |
| 9 | Dr. K. Lakshmi, Assistant Professor, Dept. of FNDT | Warden in-charge | 9989993506<br>lakshmi.kuchibhotla@gmail.com |
| 10 | Dr. Bilquis, Associate Professor and Head, Dept. of HDFS | Officer in-charge of Students activities | 8919089155<br>bilquisbasha@gmail.com |
| 11 | G Yogitha,<br>GH017-030 | Student member | 9493956305<br>yogithagunupuru@gmail.com |
| 12 | K. Krishna Sreeja<br>GH017-038 | Student member | 8309904303<br>kamanisreejareddy@gmail.com |
| 13 | P.Kusuma reddy<br>GH018-51 | Student member | 6309433704<br>pappukusumareddy123@gmail.com |
| 14 | P Divya<br>GH018-49 | Student member | 9381406070<br>Divyapujala123@gmail.com |
| 15 | M. Sri Poushya, GH019-046 | Student member | 9573189018 |
| 16 | B Sunil, GH019- 012 | Student member | 9603536253 |
| 17 | S. Yamuna,<br>GH016-056 | Student member | 7680069894<br>sominiyamuna8899@gmail.com |
| 18 | M. Jashnavi, GH016-094 | Student member | jahnavigudyay@gmail.com |

### 6.5.2. Faculty

The college has well qualified competent faculty to accomplish the mission and goals of the college through effective teaching for better student learning outcomes.

#### 6.5.2.1. Faculty Strength

The faculty of Home Science has well qualified and competent teachers who can ably contribute to the accomplishment of goals of the programme through their teaching skills. The details of faculty strength, sanctioned and in-position, at the College level for teaching B.Sc. (Hons) Community Science Programme is presented below Out of 7 faculty in position 5 are Ph.D degree holders.

In the process of bifurcation of the University, the staff strength of faculty of Home Science was not allocated to the faculty due to some administrative problems. The proposal for sanction of new posts as per the ICAR guidelines is pending with the Government of Andhra Pradesh. Till the required posts are sanctioned, temporary arrangement was made by engaging teaching associates against the vacant positions of other faculties of the University to uphold the quality of the programme.

| S. No. | Designation | Sanctioned Faculty | Faculty in place | Vacant position | Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies |
|---|---|---|---|---|---|
| 1. | Professor | 1+2**** | 3* | - | 7 |
| 2. | Associate Professor | 4**** | 1** | - | 14 |
| 3. | Assistant Professor | 10 | 5 | 4*** | 28 |
| 4. | Teaching Associates | - | 6 | | |

** One Direct Professor is in sanctioned Professor post. Other two professors are under Professor (CAS)*
*** One Regular Associate Professor appointed in the faculty is posted against one of the vacant Associate Professor in the University.*
**** One regular Assistant Professor was promoted as Professor under CAS*
******Recently sanctioned posts vide G.O.MS.No.71, dated 23.07.2020 of Special Chief Secretary, Government of Andhra Pradesh.*

#### 6.5.2.2 Faculty Profile (Department wise)

**Department of Food Science & Nutrition**

| S.No | Name of the faculty | Position | Highest Qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Dr.J.Lakshmi | Professor & Univ.Head | Ph.D | ANGRAU | 35+ |
| **2.** | Dr.K.Lakshmi | Assistant Professor | Ph.D | ANGRAU | 6+ |
| **3.** | Dr. G.Nirmala Devi | Assistant Professor | Ph.D | ANGRAU | 2 + |

**Department of Apparel & Textiles**

| S.No | Name of the faculty | Position | Highest Qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Mrs. A.Poornima | Assistant Professor | MSc | ANGRAU | 7+ |
| **2.** | Ms. G.Sindhu | Teaching Associate | MSc | ANGRAU | 3+ |
| **3.** | Mrs. R.Prabhavathi | Teaching Associate | MSc | ANGRAU | 3 months |

**Department of Resource Management & Consumer Sciences**

| S.No | Name of the faculty | Position | Highest Qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Dr.T.Neeraja | Professor & Univ.Head | Ph.D | Baroda | 32+ |
| **2.** | Mrs.M.Siresha | Assistant Professor | MSc | ANGRAU | **2+** |
| **3.** | Mrs.P.Anuradha | Teaching Associate | MSc | ANGRAU | 4+ |

**Department of Human Development & Family Studies**

| S.No | Name of the faculty | Position | Highest Qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Dr.L.Uma Devi | Dean & Associate Dean i/c | Ph.D | ANGRAU | 35+ |
| **2.** | Dr.Bilquis | Associate Professor | Ph.D | ANGRAU | 15+ |
| **3.** | Ms.Madhumati | Teaching Associate | MSc | UAS | 3 months |
| **4.** | Ms.Prathibha | Teaching Associate | MSc | UAS | 3 months |

**Department of Home Science Extension & Communication Management**

| S.No | Name of the faculty | Position | Highest Qualification | University | Experience, Years |
|---|---|---|---|---|---|
| **1.** | Dr.M.S.Chaitanya Kumari | Professor | Ph.D | ANGRAU | 19+ |
| **2.** | Dr.K.Dhana Sree | Assistant Professor | Ph.D | ANGRAU | 6+ |
| **3.** | Dr. Sivaleela Patil | Teaching Associate | Ph.D | UAS, Dharawad | 3 months |

**6.5.2.3. Credentials of the faculty**

| S.No. | Name & Designation | Achievements |
|---|---|---|
| **Dept. of Food Science and Nutrition** | | |
| 1. | Dr.J.Lakshmi Professor & University Head | • Played a significant role in establishment of new College of Home Science at Guntur and Food Science technology Bapatla<br>• Instrumental in framing 4th Deans committee for B. Tech Food Technology<br>• Instrumental in framing 5th Deans committee for Food Science and Nutrition<br>• Independently handled 4 research projects ,playing a significant role in popularization of millets and millet products all over the country<br>• Received awards as a meritorious teacher both at university and state level.<br>• Served as Associate Dean for newly established College of Home Science from 2013 to 2015<br>• Developed Young Entrepreneurs in food processing.<br>• External Examiner for UAS, Dharwad & PJTSAU<br>• Developed content for the V deans syllabus |
| 2. | Dr. K. Lakshmi Assistant Professor | • Awarded the "Best Trainee" award for outstanding performance and securing first rank during the second Foundation Course for Faculty of Agricultural Universities held at ICAR-NAARM, Rajendranagar, Hyderabad during 1-30 May 2015.<br>• Played significant role in preparation of course catalogue Fifth Deans Committee recommendations for of B.Sc. (Hons) Community Science programme at College of Home Science, ANGRAU, Guntur<br>• Project Leader one project State Plan Project in 2016-17<br>• Co-investigator for one RKVY project in 2016-17<br>• Principal Investigator for one RKVY project in 2017-18<br>• Expert member of the Joint Review Mission of Ministry of Human Resource Development for evaluation of Mid Day Meal programme in Andhra Pradesh.<br>• Developed content for the V deans syllabus |
| 3. | Dr.G.Nirmala Devi, Assistant Professor | • Instrumental in transfer of homestead technologies from KVK, Kalikiri for two years in Chittor district.<br>• Organised district level millet fest in 2018 at Chitttor.<br>• Supported two women entrepreneurs in establishment of millet processing units.<br>• Associated in registering a Zinc rich rice genetic stock (Zn25.55ppm) which is designated as INGR 17067 by ICAR 2017. |

| | | |
|---|---|---|
| | | • Co-author for Technical bulletin no.81 "Bio-fortification in rice" IIRR, Hyderabad. |
| **Dept. of Apparel and Textiles** | | |
| 4. | A. Poornima Assistant Professor | • Associated in development of natural dye shades on cotton, silk and other minor fibers and dissemination of natural dyeing technology under NAIP project Value chain in Natural dyes<br>• Instrumental in transfer of homestead technologies from KVK, Amadalavalasa for two years in Srikakulam district.<br>• Developed content related to the department for the Fifth Deans syllabus<br>• Appointed as external examiner for conduct of Practical examination at Vignan University<br>• Appointed as external examiner for conduct of Practical examination at Sri Padmavathi Mahila Viswa Vidyala, Tirupathi |
| **Dept. of Resource Management and Consumer Sciences** | | |
| 5. | Dr.T. Neeraja Professor & University Head | • Served as a member for number of committees at national level.<br>• Appointed as member of selection committee by Sardar Patel University (Gujarat),<br>• Appointed as member of selection committee by Avinashlingam Institute for Home Science and Higher Education for Women (Coimbatore )<br>• Appointed as member of selection committees by Chaudhary Charan Singh Harayana Agricultural University, Hissar<br>• Held the administrative post as Deputy Director of Consumer Affairs, Dept. of Food & Civil Supplies, Hyderabad, Govt. of AP during 2004-2007.<br>• Handled 24 research projects<br>• Served as Dean, Faculty of Home Science during 2015-2018.<br>• Designed manually operated weeder for dry land Agriculture.<br>• Tested the feasibility of electrical drying technology for potential business.<br>• Established millet processing unit and studied the shelf life assessment and standardized the value added millet.<br>• Studied the acceptance and preferences & value added millet products among preschool and school going children.<br>• Instrumental in designing and development of syllabi for the department of RMCS at national level.<br>• Appointed as one of the SMSs by ICAR for the redesigning and restructuring of PG programme in SAUs.<br>• Developed content related to the department for the Fifth Deans syllabus |
| 6. | Mrs.M.Siresh | • Offering Market demand Computer Aided Design (CAD) & |

| | | |
|---|---|---|
| | a Assistant Professor | Interior designing courses in the department.<br>• Developed content for the V deans syllabus |
| **Dept. of Human Development and Family Studies** | | |
| 7. | Dr.L.Uma Devi Associate Dean i/c, | • Received university level Meritorious teacher award<br>• Served as Associate Dean for College of Home Science, Guntur from 2016 to 2018<br>• Working as Dean, Faculty of Home Science, ANGRAU, Guntur from 2018 to till date<br>• Handled 12 external funded projects<br>• Developed practical manuals<br>• Developed e-content for IV Deans committee syllabus.<br>• Developed theme based e-content for pre schoolers.<br>• Involved in strengthening of mid day meal programme at state level.<br>• Involved in implementation of SERP & M.S.Swaminathan Research Foundation projects through KVKs in the university.<br>• Instrumental in designing and development of syllabi for UG & PG programmes of IV & V Deans Committee for the department of HDFS at national and university level.<br>• External Examiner for UAS, Dharwad & PJTSAU<br>• Developed content for the V deans syllabus |
| 8. | Dr.Bilquis | • Involved in revision of UG and PG curriculum of V deans committee<br>• Developed practical manuals for 2 courses.<br>• Developed Audio-visual materials for the department<br>• Organized special days "National Science Day" in convergence with line departments and NGO's.<br>• Published and presented papers in National and International Conferences.<br>• Co investigator for Sarva Shiksha Abhiyan project in 2015-16<br>• Co investigator for a research project "Empowering Rural Farm Families through Integrated Strategic Intervention" funded by University- SLTP – 2016-17<br>• Developing a mobile app for Empowerment of farm families" funded by University- SLTP – 2019-20.<br>• Developed software for developmental assessment of young children (DAYC) as a principle investigator in 2018-19.<br>• Co investigator for the project "Intervention programme to improve life skills in to rural adolescents" .<br>• External examiner for PG students to UAS Dharwad.<br>• Developed content for the V deans syllabus |

| Dept. of Extension and Communication Management | | |
|---|---|---|
| 9. | Dr. M.S.Chaitanya Kumari Professor & Head | • Project Leader for 2 - ICT projects<br>• Project Leader for n 2- TSP & 1 RKVY<br>• Co-Investigator in UNICEF external funded project<br>• Received university meritorious teacher award in the year 2017<br>• Worked as Coordinator for Student Radio Programme "Chenu Kaburlu" sponsored by Telangana Govt in collaboration with AIR.<br>• Published two e- books in NAIP e-consortium project<br>• Co-Director for ICAR sponsored CAFT - 21 days training programme on "Knowledge management – Tools & Techniques"<br>• Guest speaker for National Institute MANAGE and CAFT training Programmes of ICAR on Pedagogy.<br>• External Examiner for UASD, PJTSAU, AAU & GBPUAT<br>• Developed content for the V deans syllabus |
| 10. | Dr. K. Dhanasree Assistant Professor, | • Associated in State level technical project on "Development of Saamaajika Samaachaar web portal'.<br>• Associated in development of Farm Radio.<br>• Associated in development of Smart Videos.<br>• Developed content related to the department for the Fifth Deans syllabus |

**Number of Publications**

| Year | Number of Publications | | | | | |
|---|---|---|---|---|---|---|
| | **Research Papers** | **Popular articles** | **Books** | **Manuals** | **Others** | **Total** |
| **2013-14** | 4 | 12 | 3 | 3 | Booklets -11 | **33** |
| **2014-15** | 1 | 15 | 6 | 3 | - | **25** |
| **2015-16** | 2 | 18 | - | 5 | - | **25** |
| **2016-17** | 1 | 19 | - | - | - | **20** |
| **2017-18** | 8 | 50 | - | - | - | **58** |
| **2018-19** | 7 | 24 | 1 | - | - | **32** |
| **2019-20** | 1 | 7 | - | - | - | **8** |

### 6.5.2.4. Technical and Supporting staff

The strength of technical and supporting staff under the B.Sc. (Hons) Community Science programme is given below. The proposal for sanction of new posts as per the ICAR guidelines is pending with the Government of Andhra Pradesh.

**Technical and Supporting staff**

| S. No. | Designation | Sanctioned Faculty | Faculty in place | Vacant Position |
|---|---|---|---|---|
| 1. | Technical staff | 12 | 5+3* | 7 |
| 2. | Supporting staff | 16 | 1+14** | 15 |
| 3. | Field staff | - | - | - |

** 3 posts in technical staff*

***14 posts in supporting staff are filled through outsourcing*

### 6.5.3. Learning resources

To support the student learning, the institute is equipped with learning material. Apart from the library facilities, staff collect the material related to their courses and keep them open for the students to access. The practical manual has been designed for undergraduate courses which enable the staff to conduct the practical systematically and benefit the students to gain relevant exposure in a systematic way. The presentations of the teachers are accessible for ready reference. Students make use them as ready reckoners. The detailed information on learning resources available in the college are presented below.

#### 6.5.3.1. College Library

The Library is located within the college building for easy accessibility to students and staff. The library has one Library Assistant engaged on contract basis, one regular Record assistant and one office subordinate on contract basis. The library is provided with WiFi facility in four computers for facilitating the students to access the e- resources. At present. It has the seating capacity of 20 students. The working hours of the library are 08.00 am to 5.00 pm. Amenities like five Desktop Computers with internet facility, Scanning, Printing and Xeroxing are provided for both students and staff.

The college library has 1002 Text books, 24 Journals, 4 Magazines. Books are issued using manual entry method and digital method computer automation using KOHA server which has been initiated recently.

e- Resources are also available with the library where student can access and refer books from other SAUs and ICAR institutes. Students are trained in availing and accessing the e resources.

#### 6.5.3.2. Laboratories, Instructional farm, Workshops, etc.

Laboratory facilities are provided for all the core departments. All departments have a laboratory facility for conducting practicals. Skill oriented core areas like Foods Science & Nutrition and Apparel & Textiles have well equipped laboratories to provide hands on experience to the students. The details of the laboratories are furnished below

**Details of different department laboratories:**

| S.No | Department labs | Area (Sq.mt) | Speciality |
|---|---|---|---|
| **1.** | Food Science and Nutrition | 90 | • Planning and preparation of diets for different age groups and physiological status.<br>• Hands on experience on food processing |

| | | | |
|---|---|---|---|
| | | | & preservation techniques.<br>• Planning and preparing of balanced diets, therapeutic diets. |
| **2.** | Apparel and Textiles | 90 | • Designing, drafting, draping and stitching of clothes for different age groups.<br>• Computer aided designing<br>• Hands on experience on weaving, dyeing and printing techniques like stencil, block printing |
| **3.** | Resource Management and Consumer Sciences | 20.935 | • Equipped with drafting and drawing tools & equipments to make house plans for different income groups<br>• Preparation of models, scrap books and interior accessories<br>• Hands on training and experience on various drudgery reducing and energy efficient technologies<br>• Computer added interior designing |
| **4.** | Human Development and Family Studies | 20.935 | • Physical and psychological assessment tools, standardized tests across the life span.<br>• Assessment of physical, psychomotor, social, language and moral developments.<br>• Preparation of infant stimulation kits, teaching and learning materials for improving early childhood education.<br>• Hands on experience in doing counselling and intervention programmes for normal and special children |
| **5.** | Home Science Extension and Communication Management | 20.935 | • Production of different media formats like animations, videos, posters and charts.<br>• Hands on experience in usage of ICT tools for dissemination of information. |

**Details of existing laboratories and equipment:**

| **Name of the Department** | **Name of the Laboratory** | **Name of the Equipment** |
|---|---|---|
| Food Science and Nutrition | Foods and Nutrition Lab | • Godrej Refrigerator<br>• Micro Wave Oven<br>• Mixer Grinder<br>• Wet Grinder |

| | | |
|---|---|---|
| | | • Gas Stove<br>• Food Balance<br>• Electrical Weighing Scale<br>• Gas Connection, Regulators,<br>• Accessories<br>• Fire Extinguisher<br>• Electronic Balance<br>• Adult Weighing Scale<br>• Electronic Precision Balance<br>• Digital BP Apparatus<br>• BP Apparatus<br>• Digital Weighing Machine<br>• Stethoscope<br>• Height Rod<br>• Infantometer<br>• OTG Bajaj<br>• Brix Refractometer Hand held<br>• Centrifuge machine<br>• Colorimeter<br>• Digital PH Meter<br>• Neubar Counting Chamber<br>• Variable Volume Pipette<br>• Microscopes<br>• Cabinet Dryer<br>• Desktop with Printer<br>• Laptop |
| Apparel and Textiles | Garment and Accessory Designing Lab | • Sewing machines<br>• Cutting tables<br>• Machine stools<br>• Adjustable SS stools<br>• Dress forms (36")<br>• Dress forms (34")<br>• Binocular microscope<br>• Electronic weighing balance<br>• Desktop with Printer<br>• Laptop<br>• High end computers |
| Resource Management and Consumer Sciences | Resource Management and Design applications | • Hand ridger<br>• Naveen manual dibbler<br>• Manual Rotary dibbler<br>• Manual Twin wheel hoe<br>• Manual 4- row rice seeder |

| | | |
|---|---|---|
| | | • Manual cono weeder<br>• Sickles<br>• Maize sheller<br>• Manual groundnut decorticator (Sitting Type)<br>• Manual groundnut decorticator (Standing Type)<br>• Portable charring kiln<br>• Manual double screen grain cleaner<br>• Manual sack holder<br>• Multi fuel cooking stove<br>• Double reflector solar cooker<br>• Solar cabinet dryer<br>• Polar heart rate monitor<br>• Anthropometric Kit<br>• Skin fold calipers<br>• Goniometer<br>• Electronic digital Hand dynamometer<br>• Arm-leg and back dynamometer<br>• Omron Weighing scale<br>• Step counter 3D sensor Pedometers<br>• Thermo Hygrometer<br>• Blood pressure Monitor<br>• Manual weeder<br>• Peg tooth weeder<br>• Electronic digital balance<br>• Wooden step stool<br>• Sealing machine<br>• Apex electronic balance<br>• Desktop with Printer<br>• Laptop |
| Human Development and Family Studies | Human Development Lab | • Assessment tools<br>**a) Psycho-social Development**<br>o Mental health battery<br>o Self confidence scale<br>o Self concept scale and questionnaire<br>o 16 personality factor test<br>o Frustration test<br>o Dimensions of temperament scale<br>o Coping strategy scale<br>o Student level of aspiration scale<br>o Level of aspiration scale<br>o Problem checklist |

| | | |
|---|---|---|
| | | ○ Life satisfaction scale<br>○ Teachers attitude scale<br>○ Eight state questionnaire<br>○ State trait anxiety inventory<br>○ Dimensions of rigidity scale<br>○ Parental attitude scale towards preschool education<br>○ Marital adjustment questionnaire<br>○ Rosters lotus of control scale<br>○ Family pathological scale<br>○ Behavioural checklist for screening the learning disabled<br>○ School Environment Inventory (SEI-M)<br>○ Emotional maturity scale<br>○ Social adjustment scale<br>○ Social maturity scale<br>○ Vineland Social emotional scale<br>○ Scale on emotional competencies<br>○ Dimensions of friendship scale<br>○ Moral judgment<br>○ Security insecurity inventory<br>○ Indian Adoption of Maslow's Security-Insecurity Feeling Inventory<br>○ Home environmental inventory<br>○ Family relationship inventory<br>○ Parent child relation test<br>○ Carrier and family value scale<br>○ Parenting scale<br>○ Moral value scale<br>○ Socio-emotionl scale<br>○ Family environment scale<br>○ Academic anxiety scale<br>○ Comprehensive scale of tension<br>○ Value conflict scale<br>○ Behavioural observational scale<br>○ Peer pressure scale<br>○ Comprehensive value scale<br>○ Comprehensive interest test<br>○ Type A/B behavioural pattern scale<br>**b) Language Development**<br>○ Verbal intelligence test<br>○ Peabody picture vocabulary test<br>**c) Cognitive Development**<br>○ Gessel's drawing test of intelligence |

| | | |
|---|---|---|
| | | ○ Draw a man test<br>○ Cognitive style inventory<br>○ Group test of intelligence<br>○ Raven's coloured progressive matrices<br>**d) Psycho-motor Development**<br>○ BSID (Baley Scale for Infant Development)<br>○ DASI (Developmental Assessment for Indian Infant)<br>**e) Others**<br>○ Comprehensive modernization inventory<br>○ Socio economic status scale<br>○ Carrier and family value scale<br>○ Guidance needs inventory<br>○ Muthayya's job satisfaction questionnaire<br>○ Vocational preference scale<br>○ Teaching aptitude scale<br>○ Functional assessment checklist for programming<br>○ Scale for Entrepreneurship |
| Extension Education and Communication Management | Multimedia Lab | • Exhibition display system<br>• Digital Video Camera<br>• High end computers<br>• Audio recording and editing equipment |

### 6.5.3.3 Student READY/ Internship/Experiential Learning Programme

According to the Fifth Deans committee recommendations students will take "Students READY" programme during VII and VIII semesters. The programme is divided into two parts.

1. Experiential Learning Programme
2. Rural Awareness Work Experience and Implant training/Internship.

**Student Rural Entrepreneurship Awareness Development Yojana (READY)**

The student READY (Rural Entrepreneurship Awareness Development Yojana) programme aims to provide opportunities to acquire hands on experience and entrepreneurial skills among students. The programme will help in building confidence, skills and acquire Indigenous Technical Knowledge (ITK) of the locality. The course curricula is designed to develop much needed skills and entrepreneurial mind-set among the graduates to take up self-employment, contribute to enhanced rural livelihood and food security. This programme helps the student to develop competence, capability, capacity building, acquiring skills, expertise and confidence to start their own enterprise and turn

'job creators instead of job seekers'.

**Rural Awareness Work Experience (RAWE) and Implant Training/Internship**

The programme is undertaken by the students during the VII semester for a total duration of 21 weeks with a weightage of 0+20 credit hours in two parts viz., RAWE and Industrial attachment. RAWE 10(0+10) will be conducted for a period of eight weeks, during which the students stay in villages and live with rural families, actively applying the theoretical knowledge gained in classroom and skills acquired in laboratories in rel life situation. Its is a critical thinking model of education and requires the students and the teachers to become actively engaged in analysis of subject matter and to integrate knowledge and experience with that of indigenous knowledge of people.

Internship will be for a period of 13 weeks (0+10), the students will be attached with institutions to get an experience of the institutional environment and working. At the end of the RAWE/Inplant training, the students will be given one week for project report preparation, presentation and evaluation. The students would be required to record their observations in the field and agro-industries on daily basis and will prepare their project report based on these observations.

**Experiential Learning Programme (ELP)**

This programme is undertaken by the students during the VIII semester for a total duration of 21 weeks with a weightage of 0+20 credit hours. The students will register for any of one module of( 0+20 credit hours each) listed below.

- Fruit and Vegetable processing unit
- Value Addition to Textiles & Apparel through Dyeing & Printing
- Manufacturing of consumer durables
- Event Management
- Teaching Learning Material (TLM) for Early Childhood Education (ECE) programmes for normal and special children
- Media products development for marketing promotion
- Millet processing
- Interior designing

The following is the list of institutions /industries where the students are placed for internship.

**Institutions/ Industries for Internship placement**

| S.No | Department | Details of Institution / Industry |
|---|---|---|
| 1. | Dept. of FSNT | Guntur Government Hospital<br>Ramesh Hospitals, Guntur & Vijayawada<br>Kamineni Hospital, Vijayawada<br>Lalitha Hospital, Guntur |
| 2. | Dept. of APTX | Sri Saideep Garments, Guntur<br>Personal Boutique, Visakhapatnam<br>Weavers Service Centre, Vijayawada |
| 3. | Dept. of RMCS | Rayon Interiors, Vijayawada<br>Square feet Interiors, Vijayawada<br>Artsmen Interiors, Vijayawada<br>Iros Interior & Infra Solutions, Guntur<br>Srusti Events, Vijayawada |
| 4. | Dept. of HDFS | NIHH, Hyderabad<br>Super Kids Play School, Bengaluru<br>Sudeeksha Kids, Hyderabad<br>St.Anns' Mano Vikas Kendra, Guntur |
| 5. | Dept. of EECM | MANAGE GoI Hyderabad<br>ICAR- NAARM, Hyderabad<br>Electronic Media – HMTV |

Five Experiential Learning Programme (ELP) modules are successfully implemented by the students in the college with an aim to enhance the entrepreneurial skill. The following are the particulars of the ELP.

**Profits made through ELP**

| Name of the Unit | Details | 2018-19 | | 2017-18 | | 2016-17 | |
|---|---|---|---|---|---|---|---|
| | | No. of students | Profit (Rs.) | No. of students | Profit (Rs.) | No. of students | Profit (Rs.) |
| Food Science and Nutrition | Production and sale of value added products with Millets, Fruits and Vegetables. | 14 | 8000 | 5 | 3000 | 7 | 7100 |
| Value addition to Textiles | Product development using different fabric embellishment techniques | 3 | 6800 | 1 | 17000 | 3 | 1450 |
| Indoor Plants | Establishment of ornamental indoor plants unit, Designing & development of Eco friendly storage bags. | 5 | 3755 | 2 | 500 | 3 | 1798 |
| Early Childhood Care and Education | Developmental assessment of children, Developing age appropriate curriculum plans for ECE centres for optimum development. Designing and developing teaching learning material for ECE centres. | 10 | 8275 | 7 | 5571 | 5 | 5118 |
| Media Products | Designing and development of media products like Folders, Booklets and Multimedia digital modules on Home stead Technologies | 3 | 1450 | 11 | 2665 | 7 | 5334 |

# STUDENT READY PROGRAMME

## Rural Awareness Work Experience Programme (RAWE)



**Group Discussion on Menstrual hygiene at Govt. School, Vejendla**



**Demonstration on low cost recipes**

## Internship



**Intern at MANAGE.**



**Intern at Television Channel**

## Experiential Learning Programme



**Value addition to Textiles - Dyeing**

### 6.5.3.4 Curricula Delivery through IT (Smart class room /interactive board etc.)

At present the curriculum is delivered through computer based instruction using power point presentations. Every class room is provided with LCD projector, chalk board and display board. So far no class room is completely upgraded as smart class room in the college.

### 6.5.4 Student Development

The college encourages the overall development of the students in curricular and extra- curricular activities to help in building the career in food and allied sectors. Special classes are being conducted for the SC and ST students under SC ST cell. Guest lectures are also frequently arranged for imparting the moral and ethical values among the students and also for overall personality development.

Educational tour is arranged every year in the sixth semester for providing hands on experience and exposure to students in the subject specific areas. National institutes like NIMH, NIHH, NIN, NIRD, NAARM & MANAGE located at Hyderabad are visited.

**6.5.4.1 Student intake and attrition:** Year wise information on sanctioned strength, actual intake and attrition in the last five years of the Degree Programme, is given below.

**Student intake and attrition for Degree Programme**

| Year | Name of the Degree Programme | Number of students admitted | Actual Strength | Attrition | Attrition (%) |
|---|---|---|---|---|---|
| 2013-14 | B.Sc. (Hons) Home Science | 27 | 25 | 2 | 7 |
| 2014-15 | B.Sc. (Hons) Home Science | 34 | 27 | 7 | 21 |
| 2015-16 | B.Sc. (Hons) Home Science | 46 | 35 | 11 | 24 |
| 2016-17 | B.Sc. (Hons) Community Science | 110 | 88 | 22 | 20 |
| 2017-18 | B.Sc. (Hons) Community Science | 90 | 70 | 20 | 22 |
| 2018-19 | B.Sc. (Hons) Community Science | 70 | 68 | 2 | 3 |
| 2019-20 | B.Sc. (Hons) Community Science | 95 | 79 | 16 | 17 |

### 6.5.4.2. Average Number of Students in Theory and Practical Classes

For conducting practical classes, students are divided into batches around 30 per batch for providing better skills to students through hands on experience.

**Number of Batches in Theory and practical classes**

| S.no | Name of the Degree programme | Theory batch | No. of students | Practical batches | Average No. of students per batch |
|---|---|---|---|---|---|
| | B.Sc (Hons) Home Science | | | | |
| 1. | 2013-14 | 1 | 25 | 1 | 25 |
| | 2014-15 | 1 | 27 | 1 | 27 |
| | 2015-16 | 1 | 35 | 1 | 35 |

| | | | | | |
|---|---|---|---|---|---|
| 2. | B.Sc (Hons) Community Science | | | | |
| | 2016-17 | 1 | 88 | 3 | 29 |
| | 2017-18 | 1 | 72 | 3 | 24 |
| | 2018-19 | 1 | 68 | 3 | 22 |
| | 2019-20 | 1 | 78 | 3 | 26 |

### 6.5.4.3. Admission Process

Admission including selections to the under graduate courses, ordinarily made in the beginning of the first semester of the academic year, shall be in accordance with the regulations laid down from time to time by the University. A notification for admission into UG programme is released in the print and electronic media.

The University encourages foreign students to seek admission into various undergraduate and postgraduate degree Programmes. Their application for admission should be routed through the Asst. Director General (HRD-II), Indian Council of Agricultural Research (ICAR), Krishi Anusandhan Bhavan, New Delhi- 110012.

**Total intake and eligibility:**

| **U.G Programme** | **Total intake** | **Eligible Criteria** |
|---|---|---|
| B.Sc.(Hons) Community Science for both boys and girls | 83 | A pass in two year Intermediate examination (10+2) with Bi.P.C/M.P.C/M.Bi.P.C subjects.<br><br>Candidates passed in a three year diploma course in Home Science can also apply for admission into B.Sc.(Hons) Community Science course under 10% supplementary seats. |

**Age:** The candidates for admission into First Year Under Graduate courses in the University shall be required to have completed 17 years of age as on 31st December of the year of admission with an upper age limit of 22 years for all the candidates, 25 years in case of SC and ST candidates and 27 years for Physically challenged.

**Criteria for selection:**

- After scrutiny the eligible applicants will be called for counselling for seeking admission into the programme. Students shall be selected based on merit in optional subjects of the two year Intermediate Examination as per the rule of reservation. In case of other equivalent examinations passed by the candidates, the

weightage of marks obtained in optional subjects shall be reckoned on a par with those of the two year Intermediate Examination.

- In case of tie in aggregate marks obtained by two or more candidates, the marks secured in the Intermediate (10+2) shall be taken into consideration. In case of further tie, the age of the candidates shall be taken into consideration and the older candidates shall be given preference for the seat.
- For admission into Un- reserved quota seats of Andhra Pradesh , the candidates from the Telangana state will have to compete based on the marks obtained in the Board of Intermediate education or its equivalent .

**Reservation of seats for the candidates from rural areas**

- Forty percent of the seats in this course are reserved for candidates coming from rural areas. Candidates seeking admission under this category should produce a certificate from the Heads of Institutions that the candidate has studied for a period of minimum 4 years in the schools located in Non- Municipal areas during their period of study from the 1st class to 12th class / Intermediate (any four years).

**Reservation of seats**

- **Backward classes** : 29% of seats are reserved for Backward classes
  BC-A – 7%, BC-B – 10%, BC-C – 1%, BC-D – 7%, BC-E – 4%,
- **Scheduled caste** : SC – 15%
- **Scheduled Tribe** : ST – 6%
- **Other reservations** :
  Defence personnel - 2%
  NCC – 1%
  Games & Sports – 0.5%
  Physically Handicapped (Differently abled) - 3%

**Fee Structure and Payment:** Fee to be paid by each candidate at the time of admission for first semester during 2019-20 is given below.

## ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
(For constituent colleges)

## ANNEXURE – I

### ENHANCED TUITION AND OTHER FEES FOR ALL THE U.G. STUDENTS EFFECTIVE FROM THE ACADEMIC YEAR 2019-20

| S.No. | Item | Enhanced Fee |
|---|---|---|
| | UNIVERSITY FUNDS: | |
| 1 | Application Registration fee - for General | 1,400/- |
| | for SC / ST / PH | 700/- |
| 2 | Tuition fee for all degree courses (per semester) | 5,000/- |
| 3 | Admission Fee (at the time of admission) | 850/- |
| 4 | Registration fee (per semester) | 600/- |
| 5 | Identity card (at the time of admission) | 100/- |
| 6 | Academic Regulation & Course Catalogue (at the time of admission) | 200/- |
| 7 | Library fee (per semester) | 500/- |
| 8 | Laboratory fee (per semester) | 1,100/- |
| 9 | Medical fee (per semester) | 200/- |
| 10 | Inter College / Inter University Sports, Games & Cultural meet fee (per annum) | 1,100/- |
| 11 | Seat Cancellation fee (including ICAR) - for General | 2,800/- |
| | for SC / ST / PH | 1,400/- |
| 12 | Blazer (at the time of admission) | 1,500/- |
| | NON UNIVERSITY FEE | |
| 12 | Hostel Room Rent (per semester) | 1,300/- |
| 13 | College magazine and student activities (per annum) | 650/- |
| 14 | Student Health Care Scheme (per annum) | 400/- |
| 15 | Student Welfare Fund (only at the time of admission) | 200/- |
| 16 | Study Tour (per annum) | 650/- |
| 17 | Alumni fund (in the final semester of study) | 600/- |
| 18 | Sports & games fee (per semester) | 500/- |
| 19 | Examination Fee excluding Stationery (per semester) | 1,400/- |
| 20 | Hostel establishment charges (per month / head) | 650/- |
| 21 | a) Cooking Practical's for B.Sc. (Hons) Home Science | 650/- |
| | b) Food Processing Practical Fee for B.Tech. (Food Technology) | 650/- |
| | OTHER FEE (REFUNDABLE) | |
| 22 | Laboratory Deposit (at the time of admission) | 1,300/- |
| 23 | Library Deposit (at the time of admission) | 1,300/- |
| 24 | Hostel Deposit (at the time of admission) | 5,000/- |
| 25 | Mess deposit (at the time of admission) | 5,000/- |

D.BHASKARA RAO
REGISTRAR

## ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
(For constituent colleges)

## ANNEXURE – II

## REVISED FEE STRUCTURE FOR ALL THE U.G. STUDENTS FROM THE ACADEMIC YEAR 2019-20

| S. No. | Item | Enhanced Fee |
|---|---|---|
| 1 | Bonafide (Studentship Certificate) | 100/- |
| 2 | Bonafide Certificate (Duplicate) | 200/- |
| 3 | Certificate of awarding degree (in lieu of lost degree) | 2,000/- |
| 4 | Conduct Certificate | 100/- |
| 5 | Conduct Certificate (Duplicate) | 200/- |
| 6 | Convocation fee (In person) | 1,500/- |
| 7 | Convocation fee (In absentia) | 1,600/- |
| 8 | a) Degree Certificate late fee per Convocation | 300/- |
| | b) Maximum Amount (Fine) | 3,000/- |
| 9 | Transcript of marks / Official Transcripts | 500/- |
| 10 | Transcript of Marks (Duplicate) | 1,000/- |
| 11 | Migration Certificate | 250/- |
| 12 | Provisional Certificate | 250/- |
| 13 | Provisional Certificate (Duplicate) | 500/- |
| 14 | Recounting of Marks (per paper) | 200/- |
| 15 | Transfer Certificate | 150/- |
| 16 | Transfer certificate (Duplicate) | 300/- |

D.BHASKARA RAO
REGISTRAR

Academic calendar is given by the university at the time of registration of the First year course work as provided below.



ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
ADMINISTRATIVE OFFICE, LAM, GUNTUR-522 034, ANDHRA PRADESH

MEMO No. 113645/EXAMS/2017

DATED: 11-10-2018

Sub: Calendar – Academic Calendar for First Year B.Sc (Hons) Community Science courses for first and second semesters 2018-19 and second, third & fourth years B.Sc (Hons) Home Science / Community Science Courses for Second Semester 2018-19 – Approved and communicated – Regarding

Ref: - University Memo No. 113645/Exams/2017, dated 23-04-2018 of the Registrar

The following approved academic calendar for first year B.Sc (Hons) Community Science courses for first and second semesters 2018-19 and second, third & fourth years B.Sc (Hons) Home Science / Community Science Courses for the second Semester 2018-19 is communicated to the Associate Dean, College of Home Science, Guntur for adoption.

**First Year B.Sc (Hons) Community Science Course for First & Second Semesters 2018-19**

| PARTICULARS | FIRST SEMESTER | SECOND SEMESTER |
|---|---|---|
| Registration of courses | 12-07-2018 | 10-12-2018 |
| Commencement of instruction | 13-07-2018 | 11-12-2018 |
| Last date of Registration | – | 21-12-2018 |
| Last date of instruction | 20-11-2018 | 03-05-2019 |
| Preparation Holidays | 21-11-2018 & 22-11-2018 | 04-05-2019 & 05-05-2019 |
| Semester Final Theory Exams | 23-11-2018 to 04-12-2018 | 06-05-2019 to 17-05-2019 |
| Semester Break | 05-12-2018 to 09-12-2018 | 18-05-2019 to 16-06-2019 |
| Commencement of next semester | 10-12-2018 | 17-06-2019 |

**Second, Third & Fourth years B.Sc (Hons) Community Science / B.Sc. (Hons) Home Science Course for Second Semester 2018-19**

| PARTICULARS | SECOND YEAR | THIRD YEAR | FOURTH YEAR |
|---|---|---|---|
| Registration of courses | 22-11-2018 | 03-12-2018 | 03-12-2018, 04-12-2018 and 06-12-2018 |
| Commencement of instruction | 23-11-2018 | 04-12-2018 | 06-12-2018 |
| Last date of Registration | 04-12-2018 | 15-12-2018 | – |
| Last date of instruction | 06-04-2019 | 20-04-2019 | 06-05-2019 |
| Preparation Holidays | 07-04-2019 & 08-04-2019 | 21-04-2019 & 22-04-2019 | |
| Semester Final Theory Examinations | 09-04-2019 to 22-04-2019 | 23-04-2019 to 03-05-2019 | |
| Semester Break / Summer Break | 23-04-2019 to 05-05-2019 | 04-05-2019 to 12-05-2019 | |
| Commencement of First Semester 2019-20 | 06-05-2019 | 13-05-2019 | |

D. BHASKARA RAO
REGISTRAR

To
The Associate Dean, College of Home Science, Guntur
Cc to the Dean of Home Science
Cc to the Dean of Student Affairs
Cc to the Controller of Examinations
Cc to PS to the Vice Chancellor
Cc to PA to the Registrar

// FORWARDED BY ORDER //

SUPERINTENDENT

### 6.5.4.4. Conduct of Practical and Hands on Training:

The practical classes are conducted in the well-lit and ventilated practical laboratories. The students are oriented on practical skills and gain hands on experience under the supervision of teachers. Students are required to submit the class work and records immediately after completion of the class. Each practical class will be evaluated for internal assessment.

**Food Science and Nutrition:**

The department of Food Science and Nutrition conducts practical classes to the students to impart knowledge on food processing, food preservation, community nutrition, normal nutrition, therapeutic nutrition and food analysis. The students are taught scientific methods of cooking of food, planning of balanced diets for various physiological and therapeutic conditions and counselling for dietary management of nutrition related disease conditions. The students also learn food product development, evaluation of quality of foods and analytical techniques to determine nutrient composition of foods. Apart from laboratory teaching the practical curriculum also exposes the students to real time situations to gain hands on experience in food handling, patient dietary care and nutrition education. For this visits to food processing institutes, hospitals, primary health centres, anganwadi's, schools and exhibitions will be arranged.

**Apparel and Textiles**

The courses designed for the undergraduate programme students impart knowledge on different textile natural and synthetic fibres, spinning processes of natural and synthetic fibres, fabric construction methods, storage of clothes, clothing requirements of different age groups, different pretreatment finishes, surface finishes, functional finishes, handling of different fabrics for garment and accessory materials based on fashion trends in garments and accessories. Exposure visits are arranged to the students for weaving units at the nearby places of Guntur. The students has hands on training in the areas like identification of different textiles fibres, fibre testing and analysis, basic sewing techniques, pattern making and draping techniques according to the design, application of different dyes, dyeing and printing techniques, textile designing, traditional textiles, computer aided apparel and textile designing.

**Resource Management and Consumer Science**

The students are given hands on training in practical class as per the course objectives. The practical manuals have been developed by teachers for all the courses. Students are given instructions on how to carry out the practical exercises. When the

practical exercise demands for exposure visits, the students are taken for field visits. Instructions are given to the students on the type of data they need to gather during the visit. After the visits, the students are expected to prepare a report and present in the class and share their experience. In courses related to interior space planning the students are given hands on experience in operating computer software and develop CAD designs. The students gin proficiency in Computer aided interior designing which will help later in their Experiential Learning Programme.

**Human Development and Family Studies**

The students who have registered the courses like Life span development I & II – School age, adolescents and Early Childhood care, education and management used to conduct practical sessions, plan and implement the Early Childhood Education, Care and Education programmes in the 'Chinmaya School' located at S.V.N. Colony. As the college was located in the Chinmaya school premises the student were permitted to conduct their activities in the nursery school, LKG and UKG classes. For observational visits students were taken to the government and private Early Childhood Education centres like Timekidz, Kidzee and Anganwadi centres located at S.V.N. Colony.

After implementation of the fifth Deans committee syllabus, students are being taken to the Early Childhood Education centres and schools located in Jonnalagadda which are near to the College. Students are implementing their activities in these anganwadi centres. There is place for construction of laboratory nursery school in the college premises which will be taken up soon.

**Extension Education and Community Management**

Community oriented practicals are being conducted by organizing field visits and interaction with institutions to provide first hand information and experience to the students in the courses like programme development for rural families, Extension Training Management, Diffusion and Adoption of Homestead Technologies.

Media related skills are imparted by involving the students in departmental projects where skill training is given on handling different software in media production. Use of Open Source Softwares (OSS) is being promoted by the students for continuous usage.

Edutainment approach has been followed to inculcate interest and impart complex concepts related to communication and training management. Guest lectures are being organized to provide interaction with experienced working professionals in the fields like web designing, print and electronic media production.

Students are been placed for a period of two and half months at national

institutions like ICAR-NAARM, MANAGE – GoI, Hyderabad for internship where the students exposed to media related cutting edge technologies through existed MOOCs and electronic labs in the field of e- extension and communication management.

During the third year second semester Educational tour is organized to provide exposure visits to various national visits like NIN, CFTRI, Weavers Service Centre, JNFAU, NIEPID, NIHH, NAARM and MANAGE to impart knowledge on the latest developments in the different areas of Community Science.

**6.5.4.5. Examination and Evaluation Process**

**Examinations**

- The evaluation of the student in a course shall be based on his/ her performance in various kinds of examinations, records, class work and other types of exercises.
- The detailed course outlines in each course shall be prepared by the concerned teachers in consultation with the University Head of the Department/Head of the department which will be made available to the students during the first week of the semester. A schedule of the mid-semester examinations of the academic programme shall be prepared by the Associate Dean and notified to the students.
- Answer scripts of mid-semester examinations shall be evaluated by the concerned course teacher and shall be shown to the students. The students shall have the option to request the teacher for clarification of any doubts in scoring, provided that such clarification is requested for when the answer scripts are made available to them. This shall not apply for final examinations.

**Mid- Semester Examinations**

There shall be one mid-semester examination to be conducted by the teacher offering the course after 50% of the working days are over in a semester. The duration for mid-semester examination shall be for one and half hours.

The marks allotted for mid-semester and semester final theory examinations shall be 50 and 100, respectively. Ordinarily no condonation for absence of mid semester examination shall be given. However, if a student is genuinely prevented from taking examinations as in the case of serious illness or accident or any other case, a special re-examination may be arranged by the concerned teacher in consultation with the Head of the department. This repeat examination shall be held within two weeks from the date of examinations so missed, and shall be a common examination for all such students.

Unless a student appears for the mid-semester examination he/she shall not be permitted to appear for the semester final theory and practical examinations in the course concerned.

The regular mid-semester examination and the special re-examination shall be conducted as per the time to be fixed by the Associate Dean.

**Semester final examinations**

- The semester final examinations shall be held at the end of each semester in each course. The semester final examination in the theory portion shall be of two and half hours duration. It shall be the responsibility of the University to conduct the theory portion of semester final examination. Practical examinations shall be conducted by the respective colleges. The Students shall be given two preparation holidays (inclusive of the public holiday) before the commencement of semester final theory examinations.
- On the last day of semester final theory examinations, the Associate Dean shall send all the coded answers scripts of each course, year of study wise in sealed cover to the designated evaluation centre (Constituent colleges in the University) and shall be evaluated by the course teacher of the valuation centre. The duration of valuation is 6 working days.
- A student with 60% physical disability will be allowed a "scribe" on his/her request*.

**Computation and award of course grades**

- In the allocation of marks for the course, each credit shall be evaluated for 50 marks. Marks allotted for theory and practical shall be in proportion to the credits for the theory and practical's. The proportion of marks for the semester final common theory examinations and mid–semester examinations shall be 60:40 respectively. Marks for the practical exam shall be based on continuous evaluation of practical classes and a final practical examination which shall include a viva-voce examination.
- The proportion of marks between continuous internal evaluation of practical work and final practical examination shall be of 1:1. In respect of student READY programmes- Experiential Learning on Business Model/ Hands on Training, Experiential Learning on Skill Development , Rural Awareness Works Experience (RAWE) internship/ In-plant Training/Industrial attachment and student projects., the criteria for evaluation of students as prescribed in manuals of respective programmes shall be followed.

### 6.5.4.6. National Service Scheme (NSS) Unit

The National Service Scheme (NSS) is an integral part of B.Sc. (Hons) Home/Community Science. The programme aims to implant the idea of social service among students and to serve the society with the motto "Not Me – But You". The NSS programme consists of two types of activities one is Regular activities (120 hours) and other is Annual special camp (120 hours) in a village for 7 days. All the NSS Volunteers who have served NSS for at least 2 years and have performed 240 hours of work under NSS are entitled to have a certificate from the university signed by the Vice-Chancellor and the Programme Coordinator (DSA).

**Number of students registered for NSS as non-credit course.**

| Year | No. of NSS Units sanctioned | Volunteers new enrolment | Total volunteers | No. of NSS Programme Officers |
|---|---|---|---|---|
| **2013-14** | 1 | 25 | 25 | 1 |
| **2014-15** | 1 | 27 | 52 | 1 |
| **2015-16** | 1 | 35 | 87 | 1 |
| **2016-17** | 2 | 88 | 175 | 2 |
| **2017-18** | 2 | 72 | 222 | 2 |
| **2018-19** | 2 | 68 | 263 | 2 |
| **2019-20** | 2 | 79 | 307 | 2 |

The NSS volunteers participate in the NSS activities every week as per the schedule. The following activities along with celebration of significant days are conducted by the volunteers under the NSS programme every year.

**Activities:**

1. Swachh Bharath
2. Swatchhta Pakhwada
3. Plantation
4. Awareness Rallies and Programmes on social issues
5. Blood donation camp
6. Medical camp
7. Contribution to Flood Relief Fund

**Celebration / Observation of Significant Days**

| Sl.No | Month | Date | Days |
|---|---|---|---|
| 1. | January | 12th | National Youth Day |
| 2. | January | 26th | Republic Day |
| 3. | January | 30th | Martyr Day |
| 4. | March | 8th | International Women Day |
| 5. | April | 7th | World Health Day |
| 6. | May | 21st | Anti-Terrorism Day |

| | | | |
|---|---|---|---|
| 7. | May | 31st | World No Tobacco Day |
| 8. | June | 5th | World Environment Day |
| 9. | July | 11th | World Population Day |
| 10. | August | 15th | Independence Day |
| 11. | August | 20th | Sadbavana Day |
| 12. | September | 8th | International Literacy Day |
| 13. | September | 15th | International Peace Day |
| 14. | September | 24th | NSS Day |
| 15. | October | 1st | National Blood Donation Day |
| 16. | October | 2nd | Communal Harmony Day |
| 17. | November | 19th | National Integration Day |
| 18. | December | 1st | World AIDS Day |
| 19. | December | 10th | World Human Rights Day |

**Salient activities of NSS programme**

**Agricos Green Programme (AGP)**

It is a unique programme of ANGRAU implemented in the College of Home Science, Lam and Guntur. This programme is based on the concept '**One student- One Tree'** i.e each student plants one tree sapling and the student has to nurture the plant till the student complete his/her degree.

The 1st phase of plantation programme under AGP was inaugurated by the university officers Registrar, Dean of Student Affairs and Dean of PG Studies and Dean of Home Science 17th August 2019 where Bogunvilla saplings are planted in front of the compound wall of the college by the students .

The 2nd phase of AGP was launched on 23rd August 2019 by the District Superintendent of Police Mrs. Jayalakshmi along with 200 police personnel, Divisional Forest Officer and Honorable.Vice Chancellor other university officers Dean of Student Affairs, Dean of Agricultural engineering, Dean of PG Studies including Dean of Home Science . 100 Saplings of Pogada (Clerodendrum) & Rosy trumpet tree (Tabebuia rosea) 50 each are planted around the hostel & college buildings. All the planted saplings are tagged with labels containing the details like Name & ID Number of the student, Scientific & Common name of the plant and Date of plantation.

**Swachh Bharat**

As part of this programme, students have taken oath and involved in swachh bharat activities carried at both at on and off campus. Students participate and conduct activities like clean campus, laying and cleaning of roads, social institutions and common places,

community mobilization through rallies and door to door campaign, rallies and distribution of pamphlets on sanitation & hygeine.

Swachha Bharat Summer Internship Programme is another campaign where NSS volunteers participate at her/his village during summer vacation. One of our II year NSS volunteer Ms. Surya Tejaswini of Chellapalli village of Krishna district has received appreciation from their mandal office for her active involvement in Swachha Bharat Summer Internship Programme.

**State Level NSS Youth Festival**

Sixteen NSS volunteers from College of Community Science have participated in State Level NSS Youth festival in the year 2018 held at Acharya Nagarjuna University, Guntur. Ms.Sharmila Gulzar, IV year B.Sc. (Hons.) Home Science from College of Home Science, Guntur won 3$^{rd}$ prize in Mono action at state level

**Yoga For Health**

International Yoga Day is celebrated every year at college as well as at adopted village to create awareness among the college students, rural people and school children regarding the health benefits of practicing Yoga.

**Village Adoption Programme**

NSS volunteers also contributed in "Village Adoption Programme" (VAP) which is being implemented by the college as Institutional Village Linkage Programme at Vejendla village of Guntur district. The faculty and students organize awareness programmes, training programmes, method demonstrations etc., with the following objectives

- To improve the overall economic status of the rural families
- To organize frequent faculty and rural women meetings for exchange of information on transfer of technology.

The village was selected based on the developmental need in the area of nutrition, health and sanitation, income generation activities with special focus on rural youth and women. Regular activities of NSS programme like clean and green, medical camp, plantation, skill development programmes like tailoring, food processing for entrepreneurship development and drudgery reducing technologies for farm women are disseminated with the help of volunteers in the adopted village

## COLLEGE ESTABLISHMENT



**Inauguration of College of Home Science, Guntur in rented building on 26/06/2013.**

## Celebration of National Days



**Dr.R. Veera Raghavaiah, Former Dean, Faculty of Home Science, ANGRAU hoisting the national flag on republic day on 15-08-2013 at old campus**



**Dr.L.Uma Devi, Dean, Faculty of Home Science, ANGRAU hoisting the national flag on republic day on 26-01-2020 in new campus**

## NSS Regular Activities





**Rally conducted on swachhata pakhwada at Adopted slum Swarna Bharathi Nagar**







## Media Coverage





**Clean and Green**

## Agrico Green Programma (AGP)



**Smt.Jaya Lakshmi, Rural SP and Sri Prasad, ASP and Forest Officer inaugurating Phase II plantation programme**



**Plantation by Student under AGP**

## National Service Scheme Day Celebration on 24th September



**Awareness programme on Health & Sanitation to mother committee members**



**Extempore on Role of Youth in Promoting Hygiene & Sanitation**





**Blood Donation Camp organised on the eve of NSS day**




**National Constitution Day on 31st October**



**Need assessment through PRA in Special camp**



**Medical camp**



**Swachh Village**



**Skill Development Programme**

**International Day of Yoga Celebrations Guntur**



## Celebration of Special Weeks/Months



**Breast feeding week celebration in adopted slum Swarna Bharathi Nagar slum**



**Diet counselling during the nutrition month celebrations**

## Millet Fest (2013 and 2016)





### 6.5.4.7. Language Laboratory

The Software 'English pronunciation in news" Level-1 & Level-2 is being used for imparting communication skills and presentation skills among students.

### 6.5.4.8. Cultural Centre

The college celebrates both national and traditional festivals like Independence day, Republic day, fresher's day, annual day, farewell, Christmas eve, Dassara, Holi etc, in the campus where the students can showcase and refine their talents. However, the college needs to be strengthened with auditorium, seating arrangements and other required amenities like light, sound and display systems.

With limited infrastructural facilities, students are participating and competing on par with other well established colleges in university and state level events like Intercollegiate Sports, Games, Cultural and Literary meet, AGRIUNIFEST, NSS State Level Youth Festival and won Prizes.

### 6.5.4.9. Personality Development

The training and placement committee at College of Community Science, Lam, Guntur organizes and arranges trainings and other professional development activities for the students on regular basis to make them employable as per the job requirements. For this considerable efforts are being made every year for the personality development of the students. Classes are being organized with experts from public and private sector. The following table has the details of the lectures conducted to improve the personality and communication skills of the students.

**Trainings given to students from college inception for Personality development**

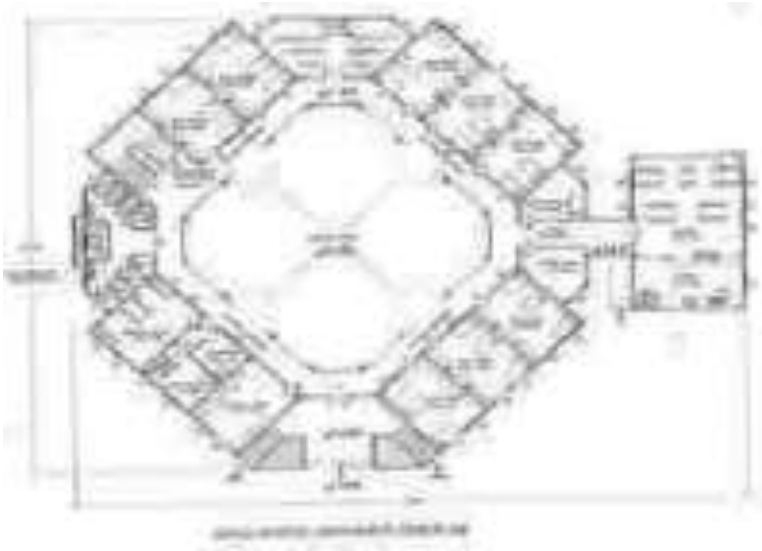
| S. No. | Name of the Expert | Topic | Date |
|---|---|---|---|
| 1 | Mrs. Rama Ch. | Communication Skills | 22/12/2014 |
| 2 | Mr. Srinivas K | Stress Management | 22/01/2015 |
| 3 | Mr. S. K. Sastry | Interpersonal Behavioural Styles | 28/01/2015 |
| 4 | Mr. S. K. Sastry | Time Management | 12/02/2015 |
| 5 | Mrs. S. L. Revathi | Attitudinal Intelligence | 13/02/2015 |
| 6 | Mr. G. N. Prasad | Goal Setting | 18/03/2015 |
| 7 | Dr. ShyamSundar Murthy, Professor (Retd), Dept. of Plant Physiology | Human ethical values and character building (Under the SC/ST cell, special coaching classes) | 30/08/2017 |
| 8 | Sri. KoteswaraRao, Project Director of | Personality Development and Orientation on career opportunities | 24/03/2018 |

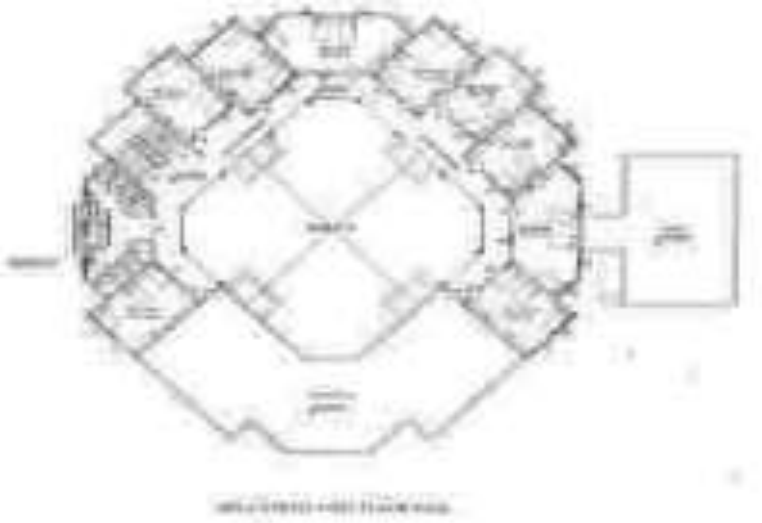
| | | | |
|---|---|---|---|
| | Massive Open Online Course System & Project Director of School Guru | through employment linked skilling scheme (ELSS). | |
| 9 | Dr T Gopal Krishna MA. M.Sc. Ph.D Sri Ram Krishna Math | Ethics and values- Positive Spirit, body Mind and soul | 04/08/2018 |

**6.5.5. Physical Facilities**

**6.5.5.1. Hostels:**

College of Community Science has a hostel within the campus which can accommodate 135 inmates. The Hostel is a two storied building with 25 rooms, 12 toilets and 15 bathrooms. Due to space constraint each room is occupied with 6 to 9 students. Associate Dean is the Chief Warden and one of the faculty members is Warden assisted by Additional warden for supervision and maintenance of the hostel.





### 6.5.5.2. Examination Hall

Since there is no separate examination hall in the college, the existing class rooms are being used for conducting the examinations. The rooms are well ventilated with CCTV cameras for effective monitoring and conducting examination.

### 6.5.5.3. Sports and Recreational Facilities

To provide a healthy environment for students, the college has sufficient space for outdoor games spread in 2 acres with 200mts track, field events, pits and sectors and courts in the college premises. Outdoor equipment like volley ball, shuttle badminton, ball badminton, tennikoit and basketball; Indoor play equipment like chess, caroms, table tennis are kept available for students practice. Physical fitness activities like physical fitness components, speed, agility, endurance, strength, flexibility, yoga and aerobic exercises are being practiced by the students regularly under the guidance of the Physical Director of the college.







**Auditorium:**

The proposal for construction of open auditorium is under active persuasion.

### 6.5.5.5. Exhibition Hall/Museum:

One of the halls in the existing ground floor of the new college building was intended to make use as exhibition hall/museum. Due to space constraints this hall is now being used as a multipurpose hall.

### 6.5.6. Research facilities

#### 6.5.6.1 Postgraduate Laboratories and Equipments

The postgraduate programme of Home Science faculty is under the administrative control of Advanced Post Graduate Centre (APGC), ANGRAU, Lam, Guntur. The APGC is equipped with facilities for conducting student research.

#### 6.5.6.2. Research Contingency

Since the PG programme of the faculty is under the administrative control of Advance Post Graduate Centre (APGC), the research contingencies are under the control of APGC, ANGRAU.

### 6.5.7. Outcome/Output

#### 6.5.7.1. Student performance in National Examinations

| S.No | Year | JRF | SRF | NET | ARS | Others |
|---|---|---|---|---|---|---|
| 1. | 2016 | - | - | 01 | - | - |
| 2. | 2017 | - | - | 03 | - | - |
| 3. | 2018 | 01 | - | 01 | - | - |
| 4. | 2019 | 01 | - | 02 | - | - |

#### 6.5.7.2. Student Placement Profile

Year wise Students Placement details are given below

| S.No | Year | No.of Students Graduated | Campus | Bank/PSU | State/Dept. | Self employed | Higher Studies in India |
|---|---|---|---|---|---|---|---|
| 1. | **2017** | 25 | 2 | - | 1 | - | 12 |
| 2. | **2018** | 27 | 2 | - | 2 | - | 13 |
| 3. | **2019** | 35 | - | - | 4 | - | 21 |

#### 6.5.7.3. Awards/Recognitions/Certificates

| S.No. | Name of the Faculty / Dept./ Institution | Name of the Award | Remarks |
|---|---|---|---|
| 1. | Dr. Lakshmi J. Professor & University Head, College of Home Science, ANGRAU, Guntur | University Meritorious Teacher Award | Awarded during the 45th Annual Convocation of ANGRAU held on 04/04/2015 at Tirupati. |
| | | State best teacher | Awarded by the Govt.of Andhra Pradesh in the year 2015 |
| | | Guru Brahma Award | Awarded by the Mother Therasa Foundation in the year 2015 |
| | | Rythu Nestam Award | Awarded by Rythu Nestam NGO in the year 2015 |

| | | | |
|---|---|---|---|
| | | Life time achievement award | Awarded by the International Venus Foundation in the year 2015 |
| 2 | Dr. Lakshmi Kuchibhotla<br>Assistant Professor<br>Dept. of Foods & Nutrition<br>College of Home Science, ANGRAU, Guntur | Best Trainee Award | Awarded for outstanding performance for securing first rank in second FOCFAU conducted by ICAR-NAARM during 1-30 May, 2015. |
| 3 | Dr. M S Chaitanya Kumari, Professor & Head<br>Dept of EECM<br>College of Home Science, Guntur | Meritorious Teacher Award in the Faculty of Home Science. | The award was presented at the 49th annual convocation held on 4th October 2017 at Sri Venkateswara Kasturba Kalakshetram, Nellore. |

**Awards received by Staff**



Dr.Lakshmi.J receiving the Best Teacher Award during 45th annual convocation of ANGRAU on 4-4-2015



Dr. M S Chaitanya Kumari, Associate Professor, Dept. of EECM, CHSc, Guntur receiving Meritorious Teacher Award in the year 2017



Dr.Lakshmi. Kuchibhotla receiving the Best Trainee Award during 2nd FOCFAU conducted by ICAR-NAARM



**Participation of students in 2nd phase of sports, games, cultural and literary meet 2014-15**



**Prizes won by the students at inter collegiate sports & cultural meet 2018-19**

### 6.5.7.4. Employability

College of Community Science is having a Placement Cell which is headed by a senior member to take care of the employment needs of the students. With regard to job opportunities for community science students, in the Department of Women Development and Child Welfare there is a special provision in recruitment of the posts like Instructors, Extension officers, CDPOs and Women Protection Secretary in A.P. Grama Sachivalaya.

There is a scope for the graduates of B.Sc (Hons) Community Science to enter into the private sector like education, textile industries, private hospitals, interior design firms and event management firms etc,.

With the help of enhanced professional skills acquired through Internship and Experiential Learning Programme students can become job providers by starting their own enterprise.

### 6.5.7.5 Research Highlights

Apart from the regular teaching, staff of the College of Community science is involved in research programmes by taking up state plan projects, RKVY projects and also guiding PG students of Home Science.

The staff of the college also involved in extension activities for transfer of technologies through village adoption programme, NSS, radio talks, publication of popular articles, organising training programmes and special days, participation in kisan melas ect,.

**Research Projects Handled by the staff of Faculty of Home Science**

| S.No | Name of the department | Title of the Project | Source of Finance | Duration |
|---|---|---|---|---|
| **State Plan Projects** | | | | |
| 1. | Dept. of HDFS | Impact of Health & Nutrition programme on enrolment and retention level in Andhra Pradesh – An empirical study | SSA | 2015-16 |
| 2. | Dept. of FDNT | Nutritional quality of organic foods vs Conventional foods | ANGRAU | 2016-17 |
| 3. | Dept. of APTX | Fabrication of mesta fibre non wovens for application in technical textiles. | ANGRAU | 2016-17 |
| 4. | Dept. of RMCS | Ergonomic evaluation of manually operated weeders in dry land crops. | ANGRAU | 2016-17 |
| 5. | | Feasibility assessment of solar dryers for food drying at household level. | ANGRAU | 2016-17 |
| 6. | Dept. of HDFS | Improving the quality of life of farm families through integrated strategic interventions | ANGRAU | 2016-17 |
| 7. | Dept. of EECM | ICT enabled extension services for empowering farm families. | ANGRAU | 2016-17 |
| 8. | Dept. of HDFS | Impact of life skills education on quality of life of rural adolescent girls | Sarva Siksha Abhiyan | 2016-17 |
| 9. | Dept. of RMCS | Design and Fabrication of Manually Operated Weeder for Dry land Agriculture | ANGRAU | 2017-18 |
| 10. | | Feasibility of electric Drying Technology for Potential Business | ANGRAU | 2017-18 |

| | | | | |
|---|---|---|---|---|
| 11. | | Preferences of Value Added Millet Products by School Children | ANGRAU | 2017-18 |
| 12. | | Acceptance of Value Added Millet Products by Preschool Children | ANGRAU | 2017-18 |
| 13. | | Shelf Life Assessment of Millet and Value Added Millet Products | ANGRAU | 2017-18 |
| 14. | Dept. of HDFS | Development of software for assessment of developmental levels of infants and preschool children | ANGRAU | 2017-18 |
| 15. | Dept. of EECM | Strengthening of Web portal. | ANGRAU | 2017-18 |
| 16. | | Development of Multimedia Modules for Effective Transfer of Homestead Technologies | ANGRAU | 2018-19 |
| 17. | Dept. of HDFS | Empowering rural families and field level functionaries through Mobile App | ANGRAU | 2019-20 |
| **Projects under RKVY** | | | | |
| 18. | C.H.Sc, Guntur | Standardization and Popularization of millet based products | Govt. of India | 2016-19 |
| 19. | C.H.Sc, Guntur | Exploring the linkages between soil quality, nutritive profile of foods and human health | Govt. of India | 2016-19 |
| 20. | C.H.Sc, Guntur | A comparison of nutritive values, sensory qualities and food safety of organically and conventionally grown foods | Govt. of India | 2016-19 |

**A. State Plan Projects**

- **Impact of health and nutrition programmes on enrollment and retention at elementary level in Andhra Pradesh: an empirical study (2015-16) – Funded by Sarva Shiksha Abhiyan:** The study was conducted among 640 students selected from 8 mandals of Guntur district. The study concludes that the enrollment of children decreased from the last five years. There were no drop outs all the children enrolled were retained. The nutritional status assessed through weight and height was not on par with recommended national standards. The children had positive perceptions on the food served in a MDM. The overall acceptance of food served in MDM was found good. The school health programmes had positive impact on the morbidity pattern and children found to fall ill only once a year. The health and nutritional programmes did have a positive impact on the enrolment and retention of elementary school children as the dropout rate was found to be nil in all the selected schools.

- **Ergonomic evaluation of manually operated weeders in dry land crops (2016-17)- Funded by ANGRAU:** A study was conducted with an aim to evaluate the manually operated weeders in terms of field performance and ergonomical asp ects. The specific objectives of the study were to understand the design features of selected manually operated weeders for dryland crops, to assess the performance of weders, to assess the drudgery, physical workload, postural analysis and comfort of women while performing the weeding with different weeders and to establish the relationship between the design features of weeders and its performance index, physiological workload of women, workers posture and workers comfort. Seven most popular weeders suitable for dryland crops were selected. None of the weeders selected for the study were found fitting to the task. Irrespective of te weeders the RULA score indicated that the posture adopted by arm, wrist, neck, trunk and leg suggested immediate investigation and change of posture. Hence, based on the results of the study it is proposed to design a weeder taking into consideration the anthropometric measurements of Indian agricultural labour.
- **Feasibility assessment of solar dryers for food drying at household level (2016-17)- Funded by ANGRAU:** In the present investigation three different techniqu es viz., open sun drying, solar drying and electric tray drying was studied for feasibility. According to the results of the study the electrical tray drying method was found to be best method of dehydration of fruits and vegetables. Per cent yield was high in electrically drying method when compared with solar and open sun drying method. Moisture content data of dried fruits and vegetables showed that overall tray dried samples has got higher moisture than open sun dried and solar dried samples. The quality of dried foods dried by tray drying method was found good. Hence, electrical tray drier can further develop as a small enterprise to add up in the non farm income of the farm community.
- **Fabrication of Mesta fibre Nonwovens for application in Technical Textiles (2016-17)- Funded by ANGRAU:** A study was conducted by using different minor fibres like mesta, arecanut, sisal, jute and banana fibres in various ratios to know feasibility of development of nonwoven fabrics. Needle punching is done with three laps, creating a cross laid composite web. This composite web was needle punched with 208 strokes per minute. The non-woven sample produced was of 36 inches length, 10 inches wide and 6 mm thickness. It was found that all the fibres are compatible enough to form a web for production of nonwoven fabric.

The developed fabric was analysed for properties like length, thickness, wettability, drapability, resiliency etc. were uploaded in the portal. With regard to web traffic report, 10,909 users visited the website comprising 5489 unique visitors and 66,779 page views. The peak time of visit noticed was 11:00 am to 3:00 pm. The popular views include the topics like Enterprise development and Millets.

- A study on **feasibility of electrical drying technology for potential business opportunity**. The drying characteristics of various fruits and vegetables were determined. It is concluded that dehydrated foods have good market potential and they can be used in manufacturing of instant vegetable noodles, soups and snacks. Drying technology can be taken up as a source of non-farm income and can be as an enterprise. This sort of enterprise can contribute towards enhancing the income of farm families and contribute to the vision of both central and state governments towards doubling the farmer's income by 2020.
- A study on design and **fabrication of manually operated weeders in dry land agriculture** was done in terms of field performance, human comfort and safety. Seven different types of weeders were fabricated duly considering anthropometric measurements of Indian agriculture labour. These weeders do not use any fuel and power. Hence maintenance cost is very less. Cost of weeding by these machines comes to only one third of the corresponding cost by manual weeding. The fabrication of these weeders was done by locally available material.
- **Acceptance of value added millet products by preschool children** was carried out. The most accepted millet foods by preschool children were cake, laddu and biscuits made using jowar, ragi, korra and multigrain.

- **Preferences for value added millet products among school children** were studied. It was found that the school going children preferred multigrain laddu, followed by jowar laddu, ragi laddu, multigrain chakkalu and korra chakkalu.

  A study on **shelf life assessment of millets and value added millet products** was carried out. It was found that shelf life of grains and semolina/suji could be enhanced by roasting which brings down the moisture content considerably. The peroxide values also could be kept well under control in foxtail millets and jowar grains and suji by the process of roasting and the grains and suji could be stored up to 120 days without deterioration in quality.

- A project entitled **"Development of multimedia modules for empowering farm families"** was carried out by the Dept.of EECM, CHSc, Guntur with an objective to enable ICT based extension services for empowerment of farm families and to extend information support to field functionaries of SAU system, line departments and ultimate users. Six multimedia modules are developed comprising print and digital formats.
- **Empowering rural families and field level functionaries through Mobile App (2019-20):** The mobile application field has been receiving astronomical attention from the past few years due to the growing number of mobile app downloads and withal due to the revenues being engendered. The report of the 'Task Force on India as Knowledge Superpower' (GOI, 2001) emphasized the necessity of developing the capacity to generate, absorb, disseminate and protect knowledge and exploit it as a powerful tool to derive societal transformation. This app helps in enhancing healthy child birth to disseminate knowledge on Care during pregnancy. Helps in reducing mortality, morbidity and pre mature births To promote optimum development in children To provide quality pre-school education to reduce school dropouts and better academic achievement.

**B. RKVY Projects:**

- **Standardization and popularization of millet based products** was carried out. As a part of it, data on millet producers and processors was collected and standardization of 100 millet based recipes which includes breakfast, rice related items, snacks and extruded products was done. Popularization of millets has been carries out duly participating in millet fests, food biz, food processing industry conclave and Kisan melas. The millet products were also popularized by giving demonstrations and guest lectures.
- A project on **"Exploring the linkage between the soil quality, nutritive profile of foods and Human health**" was conducted on nutrient in take of 1000 households from 13 districts of AP. It was found that the average energy intake of households was 2347 K.cals which is found to be adequate due to predominant rice based diets. However the protein intake was 50g/day followed by calcium intake (417mg/day) when compared to required intake of 60g/day and 800mg/day respectively.

- **Millet processing unit:** Value addition to millets is done in the Millet processing unit. Indents from different Government departments are being received and supply of standardised millet foods is taken up in the unit. Training on value addition to millets is given to the members of Self Help Groups.

**6.5.7.6. Extension highlights**

- Started **Village Adoption Programme** to carry out extension activities, student practicals and student's Rural Awareness Work Experience Programme to address the rural needs from the academic year 2017-18 onwards at Vejendla village of Chebrolu mandal of Guntur district.
- Two **Millet Fests** were organised by the faculty of Community Science during the years 2013 and 2016 with an objective to popularise millet production and consumption. These events were funded by Department of Agriculture, Govt. of AP.
- College of Community Science exhibit homestead technologies in the exhibitions and kisan melas organised by university.
- Dept. of FDNT staff participated in the 11$^{th}$ **Joint Review Mission on Mid Day Meal** in Andhra Pradesh. The team along with representation from MHRD, New Delhi visited 54 schools in Vishakhapatnam and East Godavari districts and reviewed the implementation of Mid Day Meals in the Primary and High Schools. The team also carried out assessment of nutritional status of 1100 school children by anthropometry, food frequency and clinical signs and symptoms.
- ANGRAU has initiated pilot project sponsored by M.S.Swaminathan Research Foundation, Chennai on "**Farming Systems for Nutrition**" in 3 Agroclimatic zone KVKs – Rastakuntubai, Undi and Reddipalli to address the problem of malnutrition among small and marginal farm families. Home Scientists are also involved in demonstrating Drudgery reducing technologies at field level to reduce the drudgery and increase the work efficiency of women farmers.
- Two Transfer of Technology programmes were organised to III year B.Sc. (Hons.) Community Science students on **Kishori Vikasam** (Adolescent Development) on 06.12.2019 and 31.12.2019 at College of Community Science in convergence with ICDS. The main objective of the programme is to organise training to rural adolescents on Child Rights, Health, Trafficking and Nutrition Education. 920 rural

adolescents studying in Government schools were trained from Nallapadu sector villages.

- The faculty of Community Science involved in **refining weekly menu for Mid-day meal scheme** implemented in all Government schools of Andhra Pradesh in coordination with Department of School Education. Conducted one day training programme on 10th January 2020 in the office of the Commissioner of School Education, Amaravati intended to train the Cook-cum-Helpers on cooking as per revised menu, preparation of supplementary nutrition, maintaining hygienic conditions etc., under Mid-day meal scheme implemented in the State. 6 members from each district participated in the training programme.
- ANGRAU has taken an initiative to implement SERP project for enhancing the **livelihood of small and marginal farmers and nutri-hygiene entrepreneurship promotion** in all 13 districts of Andhra Pradesh through KVK's of ANGRAU in the year 2018-19 & 2019-20. The SMS of Home Science working in KVKs implemented the capacity building activities to the Self Help Group women in the areas of Backyard Poultry, Nutri-garden, and Value addition to millets at district and mandal level. Around 3780 beneficiaries were trained at district and mandal level through 135 training programmes.
- Under RKVY project on **Popularization of Millets**, more than 100 recipes were standardized and are popularised through publishing print material like charts, posters and media coverage through daily newspapers and weekly magazines.
- A training programme on "**Therapeutic Diets for Non-communicable diseases**" was conducted by the Dept. of Food Science and Nutrition at Netaji Nagar, Guntur for farm women. Around 40 farm women participated in the training programme.





**Demonstration on preparation of Ragi leaf cake by Dr. J. Lakshmi, Prof. & Univ. Head, Dept. of Food Science and Nutrition**



**Orientation to the trainees on the significance of Nutri- gardening by Dr T Neeraja, Prof & Univ. Head Department of RMCS**



**Distribution of Nutri-garden kits to the trainees**





**Participation and interaction with media and Deputy Speaker in Kisan mela organised at Agricultural College, Bapatla**

### 6.5.7.7 Future plans

**Department of Food Science and Nutrition**

- Starting the school of Nutrition
- M.Sc programme in Nutrition and Dietetics
- PG diploma in Nutrition therapy, Food analysis and Quality control, Food processing and Value addition
- Certificate courses for school droupouts and housewives in Bakery and confectionary,Fruit and vegetable processing,Salad preparation, Microwave cookery,Dessert preparation, Slimming diets, Healthy diets for children,dietary management of lifestyle disorders.
- Starting departments of specialization in:

  a) Nutrition and Dietetics

b) Biochemical and Molecular nutrition

c) Food policy and Applied nutrition

**Department of Apparel and Textiles**

- Starting four year degree programme in Textiles and Fashion Designing
- One year PG diploma in Textiles Management Programme
- Certification of Textile Testing lab by NABL
- Joint research programmes with national research organizations
- Faculty and student exchange programmes with the universities of US, UK and other countries
- Collaboration with the industry in developing course curriculum and research and for students career opportunities

**Department of Resource Management and Consumer Science**

The department of Resource Management and Consumer Sciences has potential to start the following programs

1. **Certificate courses**

Short term certificate courses with the duration of 1-2 weeks in the following areas can be taken up by the department

Food adulteration Testing

Evaluation and use of Household equipment

Floor and wall decorations

Floral decorations

Ergonomics in the home and office

Event management

Interior designing

2. **Certificate courses**

Some of the areas under Resource Management and Consumer Sciences can be offered as diploma courses with duration of 1year or 8 months in order to create employability among the youth and women.

| | |
|---|---|
| Consumer Education | 8months |
| Interior accessory design | 1 year |
| Land scape design | 8months |
| AutoCAD | 8months |
| Event management | 8 months |

| | |
|---|---|
| Terrace gardening | 8 months |
| Indoor House plants | 8months |

3. **Self Finance programmes**

The department also has the scope for starting the following Self Finance programmes

| | |
|---|---|
| PG diploma in interior design Business Management | 2 years |
| UG programme in interior and exterior design | 4 years |
| Interiors and hospital management | 2 years |

**Department of Human Development and Family Studies**

- Establishing laboratory nursery school in college.
- Establishing first and second standards in the lab school.
- Establishing linkages with pediatricians and children's hospitals to provide developmental assessment of infants and young children in collaboration with health assessment by them.
- Establishing vocational guidance center based on individual abilities for adolescents.
- Establishing teaching learning materials lab to develop material based on developmentally appropriate practices for ECE center.
- **Specializations in graduation level.**
- Starting four year degree programme in human development.
- Start specialization at under graduate level degree programme in special education and early intervention.
- UG specialization in child guidance and family counselling.
- **Diploma**
- UG diploma in early childhood care and education.
- PG diploma in child guidance and family counselling.
- **Short term courses**
- Personality development
- Parenting skills
- Preparation for marriage
- Developing indigenous play materials
- Preprimary teacher's training

**Department of Extension Education and Communication Management**

- Experiential learning programme unit on Designing and development of media products.
- Project on ICT enabled knowledge management with full-fledged digital media production laboratory.
- Conducting certificate courses on demand driven topics like basics of field functioning, Public Speaking and ICTs in social marketing.
- Ph.D programme in the department.
- Joint research programmes with national extension institutes.

**6.5.7.8. Thrust areas of research**

**Department of Food Science and Nutrition**

1. **Organic Foods:**
    - Nutritional quality evaluation of organic foods
    - Organoleptic studies on organic foods
    - Pesticide residues in organic foods
    - Consumer preferences/attitude for organic foods
    - Levels of Heavy metals in organic and conventional foods
2. **Millets:**
    - Clinical studies to ascertain the hypoglycemic effect (Glycemic index)
    - Product Development (extrusion technology) and storage studies
    - Determination of packaging material
    - Cooking properties of millets
    - Impact of processing on pesticide residues in millets
3. **Community Nutrition;**
    - Diagnosis of Community health and nutritional problems
    - Preventive measures for various nutritional problems
    - Food security nd Nutritional security at household level
    - Nutritional status of farm families
    - Nutritional education and interventions
4. **Clinical Nutrition issues**
    - Nutrition intervention trials for Childhood obesity
    - Nutritional and status and metabolic assessment of sports person

**Department of Apparel and Textiles**

- Apparel and quality analysis and software development
- Computer Aided designing in the area of carpets
- Contemporizing traditional art on garments/ textiles
- Technical textiles – sports, health, agro and smart textiles
- Study of eco-friendly textiles
- Exploration of new sources for natural dyes
- Fabrication of fiber composites
- Processing textiles with eco-friendly nano finishes for antimicrobial and UV resistant
- Development of new agro based fibers
- Improving fastness properties of natural and synthetic dyes

**Department of Resource Management and Consumer Science**

The department aims at improving the quality of life in the community in the major fields like interior design, ergonomics, consumer education and environment management. The following areas are identifies as thrust areas

**Ergonomics and occupational biomechanics**

- Finding the design solutions to overcome occupational health hazards
- Developing methodologies for ergonomic evaluation of interior space planning
- Developing ergonomic criteria for evaluating consumer products
- Developing consumer safe products

**Consumer Education**

- Multi-media for educating consumers on self protection
- Establishment of consumer awareness cell
- Quality testing lab for assessing product safety

**Interior Design**

- Space planning and management in residential and commercial interiors
- The virtual prototyping design and ergonomic evaluation of accessible housing for elderly through CATIA software.
- Designing revolving kitchen for orthopedically challenged
- Influence of interior environment on human behaviour
- Building design for special needs

- Energy conservation and renewable energy sources
- Product design- testing and evaluation

**Department of Human Development and Family Studies**

- Developmental assessments of infants and young children on large scale using early childhood developmental assessment software application (ECDASA) under child survival and development.
- Developmental intervention programmes in large scale in state since very good intervention material had been developed by the department.
- Studies on issues, problems and coping mechanisms used by care givers, disabled and the elderly.
- Vocational needs and interests of adolescents.
- Developing teaching learning materials CDs/DVDs, soft wares and mobile applications.

**Department of Extension Education and Communication Management**

1. ICT led knowledge management, usage patterns and impact
2. E-extension for enhancing the quality of urban and rural life
3. Gender specific innovative extension methods for effective transfer of homestead technologies
4. Skill gap analysis and capacity development of stakeholders
5. Technology and resource mapping for optimized use and suitable extension interventions
6. Documentation and digitization of traditional homestead practices

**6.5.7.9. Linkages**

- Food Processing Industries
- A.P. Foods
- Hospitals and health care centres
- Department of Health and Family Welfare
- Apparel and textile industries
- Textile design Institutes
- Dyeing and printing units
- Weavers service centers
- Department of civil supplies
- A.P Agro Industries

- Non-conventional Energy Development Corporation of Andhra Pradesh Limited (NEDCAP)
- School of planning and architecture
- Interior design firms
- Extension units like KVK's, DATTC centres, SAMETHI, SERP, EEI
- National institutes like NAARM, MANAGE, NIRD, NIN, CFTRI, NIMH and NIEPID and Textiles committee
- Print and electronic media
- Nongovernmental and Voluntary organizations
- Department of Women Development and Child Welfare
- Department of Higher Education

**6.5.7.10. SWOT analysis**

In a short span of 7 years, the college has gained strength in many areas. By overcoming weaknesses and threats due to the reasons beyond its control, the faculty successfully running the UG and PG programmes on par with well established Home Science colleges of State Agricultural Universities of the country.

**Strengths**

- Qualified, young and energetic staff trained in the SAU's system of education
- Enthusiastic and committed faculty who extend their working hours beyond stipulated time
- Advanced online and offline learning material available for the reference of staff and student
- Extension work and other community outreach activities through RAWE, village adoption programmes, community education programmes and counselling centres
- Computer based instructions in classroom teaching
- Funds for faculty research is allocated in the college annual budget

**Weaknesses**

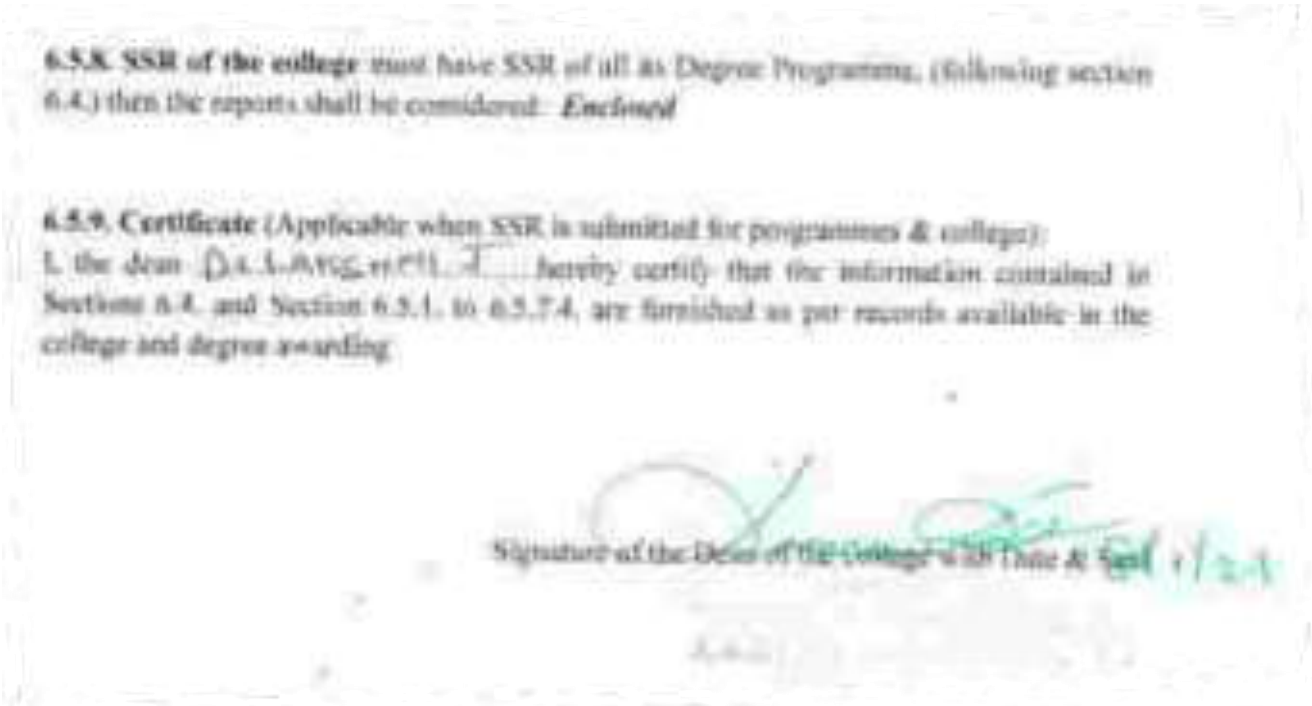
- Insufficient infrastructure facilities to expand other services
- Lack of funds for improving the amenities and facilities.
- Limited hostel facility
- Insufficient budget for equipping the laboratories

**Opportunities**

- Location of the college benefits the staff to connect the community with science
- Need based short term certificate courses and diploma courses may be initiated to cater the needs of unemployed youth
- Enhance the production and popularization of millet products through existing millet processing unit

**Threats**

- Experienced senior faculty nearing retirement
- Inappropriate division of staff positions among the faculties in the process of bifurcation
- Insufficient infrastructure and other resources due to state and university bifurcation
- Climatic conditions of the location limit the participation of the outside stakeholders



**6.5.8. SSR of the college** must have SSR of all its Degree Programms. (following section 6.4.) then the reports shall be considered. *Enclosed*

**6.5.9. Certificate** (Applicable when SSR is submitted for programmes & college):
I, the dean [illegible] hereby certify that the information contained in Sections 6.4. and Section 6.5.1. to 6.5.7.4. are furnished as per records available in the college and degree awarding

Signature of the Dean of the College with Date & Seal

# SELF STUDY REPORT FOR ACCREDITATION OF PROGRAMME

## SSR for Ph.D. Programme

8.4.1. Brief History of the Degree Programme:

Advanced Post Graduate Centre, Lam, Guntur of Acharya N.G. Ranga Agricultural University & August 5th 2015 vide G.O. M.S. No.4 dated 04-01-2016 of the Department of Agriculture and Co-operation, Govt. of Andhra Pradesh. The Ph.D. degree programs under Faculty of Agriculture are Agricultural Microbiology started in AY 2015-16 and Molecular Biology & Biotechnology started in AY 2016-17. Further, the Ph.D. degree programs under Faculty of Home Science are Apparels & Textiles, Human Development & Family Studies started from AY 2016-17.

6.4.2 Faculty Strength

| S No | Faculty / Department | Professor | | Associate Professor | | Assistant Professor | | Total | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SS | IP | SS | IP | SS | IP | SS | IP | |
| Agriculture | | | | | | | | | | |
| 1. | Special Officer | - | 1 | - | - | - | - | - | 1 | |
| 2. | Agronomy (Water Management) | - | 1 | - | 1 | - | 1 | - | 3 | |
| 3. | Genetics & Plant Breeding | - | - | - | 1 | - | - | - | 1 | |
| 4. | Statistics & Mathematics | - | 1 | - | - | - | - | - | 1 | |
| 5. | Bio-chemistry | - | - | - | - | - | 1 | - | 1 | |
| 6. | Agricultural Microbiology | - | 1 | - | - | - | - | - | 1 | |
| 7. | Seed Science & Technology | - | 1 | - | 1 | - | - | - | 2 | |
| 8. | Environmental Sciences | - | 2 | - | - | - | - | - | 2 | |
| 9. | Molecular Biology and Biotechnology | - | 1 | - | 2 | - | - | - | 3 | |
| 10. | Foods and Nutrition | - | - | - | - | - | - | - | - | |
| 11. | Apparels and Textiles | - | - | - | - | - | - | - | - | |
| 12. | Home Science Extension & Communication Management | - | - | - | - | - | - | - | - | |
| 13. | Human Development & Family Studies | - | - | - | - | - | - | - | - | |
| 14. | Family Resource & Management | - | - | - | - | - | - | - | - | |
| | Total | - | 8 | - | 5 | - | 2 | - | 15 | |

* Sanctioned posts are not available

6.4.3. Technical and Supporting Staff

| S. No. | Sanctioned Post / Category | Sanctioned Strength | Redeployed Posts | In-Position |
|---|---|---|---|---|
| 1 | Senior Assistant | - | 1 | 1 |
| 2 | JACT | - | 1 | 1* |
| 3 | Record Assistants | - | 1 | 1* |
| 4 | Office subordinates | - | 3 | 3* |

6.4.4. Classrooms and Laboratories

There are 2 dedicated classrooms with good lighting and ventilation used for M.Sc. & Ph.D. programmes with chalk board, furniture etc. One classroom is equipped with LCD projector. Each department have different laboratories to conduct practical classes.

6.4.5. Conduct of Practical and Hands on Training

Practical classes are conducted in respective laboratories as per class time-table with the instruments, equipment, machinery etc. available.

6.4.6. Supervision of students in Ph.D. Programmes

All classrooms, laboratories examination hall all premises of the college etc. are connected with surveillance CC cameras to monitor the teaching activities.

6.4.7 Feedback of Stakeholders (Students, Parents, Industries, Employers, Farmers, etc.)

Students are very happy with the conduct of Ph.D. academic programme being handled at Advanced Post Graduate Centre, Lam.

I, Yeruva Kavya (GA0)(pgct-ii) completed my Ph.D (Agriculture) in the department of Agricultural Microbiology in Advanced Post Graduate Centre, Lam, Guntur in the year 2017. It was a good opportunity to the students to pursue doctoral degree programme in such a supportive and student friendly environment. Faculty in the department and also the administration were supportive and inspired me a lot towards research as well as experience in sharing knowledge. I learnt a lot with ease at each and every step to carry out experiments in well established laboratories and experienced staff. It was a wonderful academic decision make by many of us to choose Advanced Post Graduate Centre for their studies.

Y. Kavya
(Yeruva)
GA0(19-21)
Ph.D. Agri. Microbiology
APGC- Lam, Guntur

6.4.6 Student Intake and Attrition in the programme for last five years

6.4.6.1. Department wise student admission data

| Department | Year Started Programmes | Approved Seats | Actual Enrollment | |
|---|---|---|---|---|
| | | | Year Established | Current Year (2019-20) |
| PhD Programmes | | | | |
| Agricultural Microbiology | 2015-16 | 1 | 2015-16 | - |
| Molecular Biology and Biotechnology | 2016-17 | 4 | 2016-17 | 4 |
| Apparel & Textiles | 2016-17 | 2 | 2016-17 | - |
| Family Resource Management | 2016-17 | 1 | 2016-17 | - |
| Human Development and Family Studies | 2016-17 | 1 | 2016-17 | 1 |

* ICAR Allotment

6.4.6.2 Student Retention Data for Last 5 Years

| Graduating Year | Students admitted | | | | | Dropped | | | | Appeared in final examination | | | | Percentage passed | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Program | M | | F | | M | | F | | M | | F | | M | F |
| | | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | | |
| 2015-16 | Ph.D | | | 1 | 100 | - | | - | | - | | 1 | 100 | - | 100 |
| 2016-17 | Ph.D | 1 | 12 | 7 | 88 | - | | 1 | 100 | 1 | 14 | 6 | 86 | 100 | 100 |
| 2017-18 | Ph.D | 1 | 50 | 1 | 50 | - | | - | 100 | 1 | 50 | 1 | 50 | 100 | 100 |
| 2018-19 | Ph.D | 1 | 25 | 3 | 75 | - | | - | | 1 | 25 | 3 | 75 | 100 | 100 |
| 2019-20 | Ph.D | 1 | 20 | 4 | 80 | - | | - | | 1 | 20 | 4 | 80 | 100 | 100 |

M = Male, F = Female

6.4.6.3 Composition of Students during last five years

| Year | Postgraduate Ph.D. | | | | | |
|---|---|---|---|---|---|---|
| | Within the State | | Outside State | | Total | |
| | No. | % | No. | % | No. | % |
| 2015-16 | 1 | 100 | - | - | 1 | 8 |
| 2016-17 | 7 | 88 | 1 | 12 | 8 | 15 |
| 2017-18 | 2 | 100 | - | - | 2 | 6 |
| 2018-19 | 4 | 100 | - | - | - | - |
| 2019-20 | 5 | 100 | - | - | 2 | 9 |
| Total | 19 | 95 | 1 | 5 | 11 | 7 |

6.4.9 ICT Application in Curricula Delivery

- Most of the class are delivered through powerpoint presentations only. Students are encouraged to deliver presentations through power point presentations.
- Smart class rooms/interactive board etc. are not available in Advanced Post Graduate Centre, Lam.
-

6.4.10 SSR of the Ph.D. Degree

Self study report of the Ph.D. programme of Advanced Post Graduate Centre, Lam is herewith submitted.

6.4.11 Certificate

I, the Special Officer of Advanced Post Graduate Centre, Lam hereby certify that the information contained in Sections 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding University.

18/1/21

Signature of the Special Officer with date and Seal

Special Officer
Advanced Post Graduate Centre
ANGRAU Agricultural University
Lam, Guntur-522 034, (A.P.)

**SELF STUDY REPORT FOR ACCREDITATION OF PROGRAMME**

**SSR for M.Sc. Programme**

6.4.1. Brief History of the Degree Programme:

Advanced Post Graduate Centre, Lam, Guntur of Acharya N.G. Ranga Agricultural University & August 5th 2015 vide G.O. M.S. No.4 dated 04-01-2016 of the Department of Agriculture and Co-operation, Govt. of Andhra Pradesh. The post-graduate degree programs in faculty of agriculture are Agronomy (Water Management), Environmental Sciences, Microbiology, Seed Science & Technology started from AY 2015-16 whereas Molecular Biology and Biotechnology started from AY 2016-17. Further the post-graduate degree programs in faculty of home science are Apparel & Textiles, Family Resource Management, Foods and Nutrition, Human Development and Family Studies and Home Science Extension & Communication Management started from AY 2015-17.

6.4.2: Faculty Strength

| S.No | Faculty / Department | Professor | | Associate Professor | | Assistant Professor | | Total | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| Agriculture | | SS | IP | SS | IP | SS | IP | SS | IP | |
| 1 | Special Officer | - | 1 | - | - | - | - | - | 1 | |
| 2 | Agronomy (Water Management) | - | 1 | - | 1 | - | 1 | - | 3 | |
| 3 | Genetics & Plant Breeding | - | - | - | 1 | - | - | - | 1 | |
| 4 | Statistics & Mathematics | - | 1 | - | - | - | - | - | 1 | |
| 5 | Bio-chemistry | - | - | - | - | - | 1 | - | 1 | |
| 6 | Agricultural Microbiology | - | 1 | - | - | - | - | - | 1 | |
| 7 | Seed Science & Technology | - | 1 | - | 1 | - | - | - | 2 | |
| 8 | Environmental Sciences | - | 2 | - | - | - | - | - | 2 | |
| 9 | Molecular Biology and Biotechnology | - | 1 | - | 2 | - | - | - | 3 | |
| 10 | Foods and Nutrition | - | - | - | - | - | - | - | - | |
| 11 | Apparels and Textiles | - | - | - | - | - | - | - | - | |
| 12 | Home Science Extension & Communication Management | - | - | - | - | - | - | - | - | |
| 13 | Human Development & Family Studies | - | - | - | - | - | - | - | - | |
| 14 | Family Resource & Management | - | - | - | - | - | - | - | - | |
| | Total | - | 8 | - | 5 | - | 2 | - | 15 | |

* Sanctioned posts are not available

6.4.3: Technical and Supporting Staff

| S. No | Sanctioned Post / Category | Sanctioned Strength | Redeployed Posts | In-Position |
|---|---|---|---|---|
| 1. | Senior Assistant | - | 1 | 1 |
| 2. | JACT | - | 1 | 1* |
| 3. | Record Assistants | - | 1 | 1* |
| 4. | Office subordinates | - | 3 | 3* |

6.4.4: Classrooms and Laboratories

There are 2 dedicated classrooms with good lighting and ventilation used for M.Sc. programmes with chalk board, furniture etc. One classroom is equipped with LCD projector. Each department have different laboratories to conduct practical classes.

6.4.5: Conduct of Practical and Hands on Training

Practical classes are conducted in respective laboratories as per class time-table with the instruments, equipment, machinery etc. available.

6.4.6: Supervision of students in M.Sc. Progammes

All classrooms, laboratories examination hall all premises of the college etc. are connected with surveillance CC cameras to monitor the teaching activities.

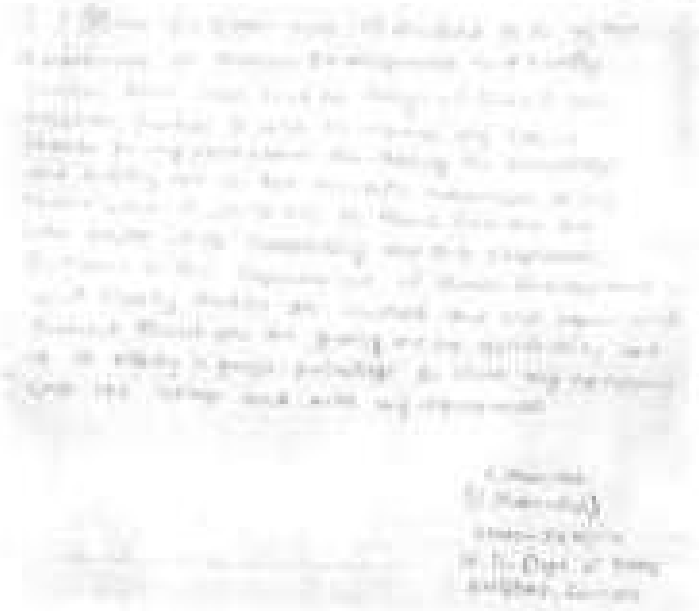
6.4 / Feedback of Stakeholders (Students, Parents, Industries, Employers, Farmers, etc.)

Students are very happy with the conduct of M.Sc. academic programme being handled at Advanced Post Graduate Centre, Lam

Myself P. Lakshmi Pavankumar, 04SC2016 (M.Sc. Department of Seed Science & Technology, Advanced Post Graduate Centre, Lam, Guntur) state that my department has excellent faculty members and well-equipped persons who shared the knowledge, motivated and supported me towards the completion of my research work. The faculty have provided students with opportunities to think about, discuss and solve real problems. Laboratory training and research work have developed our skills and confidence that have transformed me in many ways. I would like to thank each and everyone who are a part of my journey in this college to become a successful person in my life.

Yours Sincerely,

P. Lakshmi Pavankumar



6.4.8. Student Intake and Attrition in the programme for last five years

6.4.8.1. Department wise student admission data

| Department | Year Started M. Sc (Ag.) Programmes | Approved Seats | Actual Enrollment | |
|---|---|---|---|---|
| | | | Year Established | Current Year |
| **Faculty of Agriculture** | | | | |
| Agronomy (Water Management)* | 2015-16 | 3+1 | 2015-16 | - |
| Agricultural Microbiology | 2015-16 | 4 | 2015-16 | 1 |
| Environmental Sciences | 2015-16 | 3 | 2015-16 | 1 |
| Seed Science and Technology | 2015-16 | 5 | 2015-16 | 1 |
| Molecular Biology and Biotechnology | 2016-17 | 4 in 2016-17<br>7 in 2018-19 | 2016-17 | 7 |
| **Faculty of Community Science** | | | | |
| Apparel & Textiles | 2016-17 | 3 | 2016-17 | - |
| Family Resource Management | 2016-17 | 3 | 2016-17 | - |
| Food and Nutrition | 2016-17 | 5 | 2016-17 | 4 |
| Human Development and Family Studies | 2016-17 | 4 | 2016-17 | 3 |
| Home Science Extension and Communication Management | 2016-17 | 2 | 2016-17 | 2 |

* ICAR Allotment

6.4.8.2 Student Retention Data for Last 5 Years

| Graduating Year | Students admitted | | | | | Dropped | | | | Appeared in final examination | | | | Percentage passed | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Programs | M | | F | | M | | F | | M | | F | | M | F |
| | | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | | |
| 2015-16 | M. Sc | 2 | 18 | 9 | 82 | 2 | 66 | 1 | 33 | - | - | 8 | 100 | - | 100 |
| 2016-17 | M. Sc | 7 | 21 | 25 | 79 | 1 | 50 | 1 | 50 | 6 | 20 | 24 | 80 | 100 | 100 |
| 2017-18 | M. Sc | 7 | 21 | 25 | 79 | - | | 3 | 100 | 7 | 24 | 22 | 76 | 100 | 100 |
| 2018-19 | M. Sc | 8 | 18 | 36 | 82 | 6 | 31 | 13 | 69 | 2 | 7 | 28 | 93 | 100 | 100 |
| 2019-20 | M. Sc | 9 | 33 | 12 | 67 | 4 | 66 | 2 | 37 | 2 | 16 | 10 | 83 | 100 | 100 |

M = Male, F = Female

6.4.8.3 Composition of Students during last five years

| Year | Postgraduate M. Sc | | | | | |
|---|---|---|---|---|---|---|
| | Within the State | | Outside State | | Foreign | |
| | No | % | No. | % | No. | % |
| 2015-16 | 10 | 91 | 1 | 9 | - | - |
| 2016-17 | 27 | 84 | 5 | 16 | - | - |
| 2017-18 | 30 | 83 | 1 | 3 | 1 | 3 |
| 2018-19 | 44 | 100 | - | - | - | - |
| 2019-20 | 16 | 88 | 2 | 12 | - | - |
| Total | 127 | 92 | 9 | 7 | 1 | 0.7 |

6.4.9 ICT Application in Curricula Delivery

- Most of the class are delivered through powerpoint presentations only. Students are encouraged to deliver presentations through power point presentations.
- Smart class rooms/interactive board etc. are not available in Advanced Post Graduate Centre, Lam.

6.4.10 SSR of the M.Sc. Degree

Self study report of the M.Sc. programme of Advanced Post Graduate Centre, Lam is herewith submitted.

6.4.11 Certificate

I, the Special Officer of Advanced Post Graduate Centre, Lam hereby certify that the information contained in Sections 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding University.

Signature of the Special Officer with date and Seal

Special Officer
Advanced Post Graduate Centre
ANGR Agricultural University
Lam, Guntur-522 034, (A.P.)

# ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
## ADVANCED POST GRADUATE CENTRE: LAM : GUNTUR – 522 034

From
Dr. D.V. Ramana Reddy
Special Officer
Advanced Post Graduate Centre
Lam, Guntur – 522 034

To
The Director (P&M Cell)
Administrative Office
A.N.G.R. Agril. University
Lam, Guntur – 522 034

Lr. No. APGC/1a-177/2020 Date: 18.12.2020

Sir,

Sub : Advanced P.G. Centre, Lam – Furnishing the Self Study Report – Regarding

Ref : Email dated 09.12.2020 of the Director, Planning & Monitoring Cell, ANGRAU

*****

I submit to enclose the Self Study Report pertaining to Advanced Post Graduate Centre, Lam in the prescribed format as desired vide Ref. cited for kind perusal.

Yours faithfully

Encln: As Above

(D.V. RAMANA REDDY)
**Special Officer**
**Advanced Post Graduate Centre**
**ANGR Agricultural University**
Lam, Guntur-522 034, (A.P.)

Copy submitted to the Dean of P.G. Studies, Acharya N.G. Ranga Agricultural University for information

**6.5.1. COLLEGE ADMINISTRATION**

**6.5.1.1. College Dean's Office Establishment:** Whether Dean's post has been sanctioned by the appropriate authority as per ICAR Model Act/UGC guidelines? Date of selection of present Dean, Mode of selection, tenure etc shall be mentioned. Clearly mention the staff and infrastructural facilities available in the Dean's Secretariat.

- There is no sanctioned post of Special Officer, Advanced Post Graduate Centre, Lam

**6.5.1.2. Monitoring Mechanism for Quality Education (on-line):** Whether the college is having an internal quality assurance system with appropriate structure and processes and with enough flexibility to meet the diverse needs of the stakeholders, which is required for planning, guiding and monitoring quality assurance and quality enhancement activities of the Colleges. How effectively monitoring of teaching, research and extension across the departments is being conducted, and mention the impact of monitoring on the outcome of the College with reference to students' excelling in academics, research and extracurricular activities.

- At present there is no internal quality assurance system in Advanced Post Graduate Centre, Lam

**6.5.1.3. CC/Board of Studies:** Whether the CC in the Department level and Board of Studies at the College is in place? The composition of the BoS and date of conduct of meetings for last five years and major recommendations made by the BoS should be given in tabular form.

- There is no CC in the Department level and Board of Studies at the College

**6.5.1.4. Anti-Ragging Cell:** In pursuance to the Judgment of the Hon'ble Supreme Court of India dated 08.05.2009 in Civil Appeal No. 887/2009, the University Grants Commission has framed "UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009" which have been notified on 4th July, 2009 in the Gazette of India. Does the College follow this regulation and subsequent guidelines issued in the matter in letter and spirit? Give details.

- Yes, Anti-ragging committee with four staff members is constituted every year to prevent ragging menace in the premises/campus of Advanced Post Graduate Centre, Lam.

**6.5.1.5. Biological waste disposal facility:** Whether wastes (chemical, biological, radioactive, universal, and recyclable) are generated by a variety of research, clinical, service, maintenance, and cleaning operations at the College level? If yes, then mention the disposal mechanism being adopted as per the government guidelines.

- At present biological/chemical waste disposal facility is not available in Advanced Post Graduate Centre, Lam.

6.5.1.6. **Institutional Ethics Committee for Experiment on Animals:** Whether the institute/College is following CPCSEA guidelines and constituted an Institutional Animal Ethics Committee (IAEC) get their animal's house facilities inspected and get their project cleared by CPCSEA and IAEC before commencing them? The College should make statement that it is adhering all guidelines in the matter

- Not Applicable for students of faculty of Agriculture
- Experiments conducted by the students of faculty of Home Science are referred to Institutional Human Ethics Committee (IHEC) constituted by the University to evaluate, review and approve the research projects dealing with human beings as a subject

6.5.1.7. **Committee for Prevention of Sexual Harassment of Women at Work Places:** Does the institution is adhering the sexual harassment of women at workplace (Prevention, Prohibition and Redressal Act, 2013) in letter and spirit. Mention the constitution of sexual harassment committees and date of proceedings conducted in last five years in tabular form.

- Apart from the Women protection cell constituted by the University a local committee at Advanced Post Graduate Centre, Lam is constituted to solve the problems of Women employees & students

| Year | Date of Proceedings |
|---|---|
| 2015-16 | - |
| 2016-17 | - |
| 2017-18 | - |
| 2018-19 | Cir. Memo. No. APGC/3-40/2018 dated 21.05.2018 of the Special Officer, Advanced Post Graduate Centre, Lam |
| 2019-20 | |

6.5.2. FACULTY

6.5.2.1. **Faculty Strength:** Mention the Faculty position (both in sanctioned and in-position) at the College

| S.No. | Sanctioned Faculty | Faculty in Place | Vacant Position | Remarks (Redeployed from) |
|---|---|---|---|---|
| **Professor** | | | | |
| 1 | - | 1 | - | Professor, Department of Plant Physiology, Agricultural College, Bapatla |
| 2 | - | 1 | - | Professor (CAS), Department of Soil Science and Agricultural Chemistry, Agricultural College, Bapatla |
| 3 | - | 1 | - | Associate Professor (Direct), Department of Crop Physiology, Agricultural College, Bapatla |
| 4 | - | 1 | - | Assistant Professor, Department of English, Agricultural College, Bapatla |
| 5 | - | 1 | - | Department of Soil Science & Agricultural Chemistry, Agricultural College, Bapatla |
| 6 | - | 1 | - | Principal Scientist (Ento.), RRU RARS, Lam |
| 7 | - | 1 | - | Associate Professor, Department of Agricultural Engineering, Agricultural College, Rajahmundry |
| 8 | - | 1 | - | Agricultural College, Bapatla |
| 9 | - | 1 | - | Millet Scheme, Regional Agricultural Research Station, Lam |
| **Associate Professor** | | | | |
| 10 | - | 1 | - | RARS, Maruteru |
| 11 | - | 1 | - | Dept. of Genetics & Plant Breeding, Agricultural College, Bapatla |
| 12 | - | 1 | - | FMBG, Agril. College, Bapatla |
| **Assistant Professor** | | | | |
| 13 | - | 1 | - | Department of Soil Science, Agricultural College, Bapatla |
| 14 | - | 1 | - | Department of Horticulture, Agricultural College, Bapatla |
| 15 | - | - | 1 | Department of Genetics & Plant Breeding, Agricultural College, Rajahmundry |
| 16 | - | - | 1 | Plant Physiology, Research Unit, RARS, Lam, Guntur |

* All posts are redeployed no sanctioned posts are available

6.5.2.2. **Faculty Profile (department wise):** Mention department wise faculty profile in tabular form and mention whether present profile is sufficient to meet the academic requirement of the College

| S.No. | Faculty / Department | Professor | | Associate Professor | | Assistant Professor | | Total | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SS | IP | SS | IP | SS | IP | SS | IP | |
| Agriculture | | | | | | | | | | |
| 1. | Special Officer | - | 1 | - | - | - | - | - | 1 | |
| 2. | Agronomy (Water Management) | - | 1 | - | 1 | - | 1 | - | 3 | |
| 3. | Genetics & Plant Breeding | - | - | - | 1 | - | - | - | 1 | |
| 4. | Statistics & Mathematics | - | 1 | - | - | - | - | - | 1 | |
| 5. | Bio-chemistry | - | - | - | - | - | 1 | - | 1 | |
| 6. | Agricultural Microbiology | - | 1 | - | - | - | - | - | 1 | |
| 7. | Seed Science & Technology | - | 1 | - | 1 | - | - | - | 2 | |
| 8. | Environmental Sciences | - | 2 | - | - | - | - | - | 2 | |
| 9. | Molecular Biology and Biotechnology | - | 1 | - | 2 | - | - | - | 3 | |
| 10. | Foods and Nutrition | - | - | - | - | - | - | - | - | |
| 11. | Apparels and Textiles | - | - | - | - | - | - | - | - | |
| 12. | Home Science Extension & Communication Management | - | - | - | - | - | - | - | - | |
| 13. | Human Development & Family Studies | - | - | - | - | - | - | - | - | |
| 14. | Family Resource & Management | - | - | - | - | - | - | - | - | |
| | Total | - | 8 | - | 5 | - | 2 | - | 15 | |

* Sanctioned posts are not available

6.6.2.3. **Credentials of the Faculty:** Whether the institution has employed competent faculty members qualified to accomplish the mission and goals of the institution? Give the highest qualification received by each faculty, related work experiences in the field, professional licensure and certifications, honors and awards, continuous documented excellence in teaching or other demonstrated competencies and achievements that contribute to effective teaching and student learning outcomes.

**a. Highest qualification received by each faculty**

| S.No. | Name | Designation | Highest Qualification |
|---|---|---|---|
| 1 | Dr. N.Tirumurtulu | Professor | Ph.D |
| 2 | Dr. G. V. Lakshmi | Professor | Ph.D |
| 3 | Dr. V. Padma | Professor | Ph.D |
| 4 | Dr. G. Ramachandra Rao | Professor | Ph.D |
| 5 | Dr. K. Radhika | Assoc. Professor | Ph.D |
| 6 | Dr. R. Chandrasekhar | Assoc. Professor | Ph.D |
| 7 | Dr. J. V. Ramana | Assoc. Professor | Ph.D |
| 8 | Dr. A. Vijaya Gopal | Assoc. Professor | Ph.D |
| 9 | Dr. K. Kiran Prakash | Assoc. Professor | Ph.D |
| 10 | Dr. S. Prathipha Sree | Assoc. Professor | Ph.D |
| 11 | Dr. Lal Ahamed Mohammad | Asst. Professor | Ph.D |
| 12 | Dr. D. RatnaBabu | Asst. Professor | Ph.D |
| 13 | Dr. K. Bayyapu Reddy | Asst. Professor | Ph.D |
| 14 | Dr. M. Raghavendra | Asst. Professor | Ph.D |
| 15 | Dr. N. Venkata Lakshmi | Asst. Professor | Ph.D |

**b. Honors, awards and recognition**

| S.No. | Name of the Faculty | Awards | Remarks |
|---|---|---|---|
| 1. | Dr. G. Ramachandra Rao | • University Best Teacher – 2011<br>• Dr. I.V. Subba Rao Rythu Nestham Puraskaram, 2016<br>• State Ugadi Puraskaram – 2016<br>• State Best Teacher Award – 2019<br>• Nominated as Sector editor in field of Agriculture for the Journal published form National Research Centre, Cairo, Egypt | |
| 2. | Dr. K. Radhika | • University Best Teacher (Mandava Foundation) – 2016 | |
| 3. | Dr. Lal Ahamed M. | • University Best Teacher – 2016<br>• Associate Fellow of Andhra Pradesh Akademi of Sciences – 2018<br>• Fellow of Cotton Research Development Association for the year 2020 | |
| 4. | Dr. K. Bayyapu Reddy | • State Ugadi Puraskaram - 2012 | |
| 5. | Dr. D. Ratna Babu | • Associate Fellow of Andhra Pradesh Akademi of Sciences | |

6.5.2.4. **Technical and Supporting Staff:** Whether the College has appointed (in place) sufficient technical/ laboratory/ farm staff to cater the need of practical and field experiments. Mention department wise distribution of technical, supporting and field staff in the tabular form.

| S. No. | Sanctioned Post / Category | Sanctioned Strength | Redeployed Posts | In-Position |
|---|---|---|---|---|
| 1 | Senior Assistant | - | 1 | 1 |
| 2 | JACT | - | 1 | 1 |
| 3 | Record Assistants | - | 1 | 1* |
| 4 | Office subordinates | - | 3 | 3* |

* On contract basis

6.5.3. **Learning resources:** Learning resources are texts, videos, software, and other ICT enabled materials that teachers use to assist students to meet the expectations for learning defined by ICAR recommended curricula. Information on the following shall be submitted.

6.5.3.1. **College Library (digital):**

- Mention the information about location of the library, present staff position (in place) and availability of Wi-Fi, sufficient books and other reading materials, periodicals and research journals, internet with sufficient number of computers, seating capacity, employing the latest technology in library sciences, stocking arrangements, collection of volumes on different subjects, latest publications in the fields of relevant subjects, automation and user services through computer, opening hours, subscription of journals of national and international repute, national dailies, magazines etc.
    - University library is located in the premises of Advanced Post Graduate Centre, Lam and is open for students. Wi-Fi is available in all the Departments and accessible to students. The computers in the Department of Statistics are open to students for internet access and data analysis. However, due to space constraint all the computers are maintained in only one room. Mostly students are using their own laptops.
    - The Journals subscribed by the University Library for the year 2019-2020 are submitted herewith.

| S.No. | Name of the Journals |
|---|---|
| 1 | Agricultural Today |
| 2 | Current Science |
| 3 | Down to Earth |
| 4 | Indian Journal of Agricultural Research |
| 5 | Indian Journal of Biochemistry & Biophysics |
| 6 | Indian Journal of Biotechnology |
| 7 | Indian Journal of Crop Science |
| 8 | Indian Journal of Genetics & Plant Breeding |
| 9 | International Journal of Agriculture, Environment and Biotechnology |
| 10 | Journal of Agricultural Engineering |
| 11 | Kissan World |
| 12 | The Indian Journal of Agricultural Sciences |
| 13 | The Indian Journal of Nutrition and Dietics |
| 14 | Kurukshetra |
| 15 | Yojana (English) |
| 16 | Agriculture Update |
| 17 | Indian Journal of Agricultural Economics |
| 18 | Annals of Agricultural Research |
| 19 | The ANGRAU Research Journal |
| 20 | Vyavasayam (Telugu) |
| 21 | Rythunestam (Telugu) |
| 22 | Annadata (Telugu) |
| 23 | Pisikulnestam (Telugu) |
| 24 | Rythukkam (Telugu) |

- Further, it is to submit that ANGRAU is the Member of the Consortia developed and managed by ICAR i.e. Consortium for e-Resources in Agriculture (CeRA) whose one of the objective is to subscribe e-journals and create e-access culture among scientists/teachers in ICAR Institutes/Agricultural Universities. It provides online accessibility of articles from more than 2600 journals related to Agricultural Sciences comprising Consortium Subscribed, Library Subscribed and Open Access Journals.

5.5.3.2. **Laboratories, Instructional farm, Workshops, Dairy Plant, Veterinary Clinic, Hatchery, Ponds etc.:** Clearly mention about laboratories, instructional farm, workshops, dairy plant, veterinary clinic, hatchery, ponds etc. facilities available in the College with its numbers, space, specialty to conduct practical/hands on training

| Name of the Laboratory | Numbers | Total Space | Speciality | Remarks |
|---|---|---|---|---|
| **Faculty of Agriculture** | | | | |
| Agronomy (Water Management) | 2 | 313 sq ft | Soil and Water Engineering, Crop Physiology, Soil Science etc. | |
| Farm area | | 1.8 acres | | |
| Agricultural Microbiology | 1 | 400 sq ft | Microbial Physiology, Soil Microbiology, Food and Dairy Microbiology, PGPR, Biofertilizers, Biocontrol etc. | |
| Environmental Sciences | 3 | 722 sq ft | Analytical methods for the soil, water, plant pollution and waste management | |
| Seed Science & Technology | 2 | 239 sq ft | Seed quality management, seed storage, detection & management of seed borne diseases & pests, new trends in seed viability and longevity maintenance, seed invigouration, Seed production etc. | |
| Molecular Biology & Biotechnology | 1 | 400 sq ft | Plant Molecular Biology | |
| **Faculty of Home Science** : The laboratories facilities for P.G. and Ph.D. students are extended by College of Community Sciences, Lam | | | | |
| Apparels and Textiles | - | - | - | - |
| Foods & Nutrition | - | - | - | - |
| Family Resource Management | - | - | - | - |
| Home Science Extension & Communication Management | - | - | - | - |
| Human Development & Family Studies | - | - | - | - |

6.5.3.3. **Student READY/ In-Plant Training / Internship / Experiential Learning Programmes:** Clearly mention about the implementation of Student READY/ In-plant training/ Internship/Experiential Learning programmes and learning outcomes as per the guidelines of ICAR. Profit sharing mechanism (amount) shall be mentioned for each ELP unit sanctioned by the ICAR for the college.

- Not applicable as there is no U.G. Programme

**6.5.3.4. Curricula Delivery Through IT (smart class rooms/interactive board etc.):** Whether the College is using smart class rooms/interactive board etc. for teaching and practical. Number of classrooms upgraded as smart classrooms should be mentioned.

- Smart class rooms/interactive board etc. are not available in Advanced Post Graduate Centre, Larn.

**6.5.4. Student Development:** Student Development at the College directs its educational efforts at fostering the intellect and character of students by integrating in-class and co-curricular experiences. To accomplish this, the College provides a wide range of educational experiences through programs and activities that complement and support the academic experience in the classroom.

**6.5.4.1. Student Intake and Attrition:** The information about student intake and attrition, for the College as a whole but separated in UG, PG and Ph.D. categories shall be provided in tabular form for last five years.

**6.5.4.1.1. Department wise student admission data**

| Department | Year Started M. Sc (Ag.) Programmes | Approved Seats | Actual Enrollment | |
|---|---|---|---|---|
| | | | Year Established | Current Year |
| **Faculty of Agriculture** | | | | |
| Agronomy (Water Management)* | 2015-16 | 3+1 | 2015-16 | - |
| Agricultural Microbiology | 2015-16 | 4 | 2015-16 | 1 |
| Environmental Sciences | 2015-16 | 3 | 2015-16 | 1 |
| Seed Science and Technology | 2015-16 | 5 | 2015-16 | 1 |
| Molecular Biology and Biotechnology | 2016-17 | 4 in 2016-17<br>7 in 2018-19 | 2016-17 | 7 |
| **Faculty of Community Science** | | | | |
| Apparel & Textiles | 2016-17 | 3 | 2016-17 | - |
| Family Resource Management | 2016-17 | 2 | 2016-17 | - |
| Food and Nutrition | 2016-17 | 5 | 2016-17 | 4 |
| Human Development and Family Studies | 2016-17 | 4 | 2016-17 | 3 |
| Home Science Extension and Communication Management | 2016-17 | 2 | 2016-17 | 2 |
| **PhD Programmes** | | | | |
| Agricultural Microbiology | 2015-16 | 1 | 2015-16 | - |
| Molecular Biology | 2016-17 | 4 | 2016-17 | 4 |

| | | | | |
|---|---|---|---|---|
| and Biotechnology | | | | |
| Apparel & Textiles | 2016-17 | 2 | 2016-17 | - |
| Family Resource Management | 2016-17 | 1 | 2016-17 | - |
| Human Development and Family Studies | 2016-17 | 1 | 2016-17 | 1 |

* ICAR Allotment

**6.5.4.1.2 Student Retention Data for Last 5 Years**

| Graduating Year | Students admitted | | | | | Dropped | | | | Appeared in final examination | | | | Percentage passed | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Programs | M | | F | | M | | F | | M | | F | | M | F |
| | | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | | |
| 2015-16 | M. Sc. | 2 | 18 | 9 | 82 | 2 | 66 | 1 | 33 | - | | 8 | 100 | - | 100 |
| | Ph.D. | - | | 1 | 100 | - | | - | | - | | 1 | 100 | - | 100 |
| 2016-17 | M. Sc. | 7 | 21 | 25 | 79 | 1 | 50 | 1 | 50 | 6 | 26 | 24 | 80 | 100 | 100 |
| | Ph.D. | 1 | 12 | 7 | 88 | - | | 1 | 100 | 1 | 14 | 6 | 86 | 100 | 100 |
| 2017-18 | M. Sc. | 7 | 21 | 25 | 79 | - | | 3 | 100 | 7 | 24 | 22 | 76 | 100 | 100 |
| | Ph.D. | 1 | 50 | 1 | 50 | - | | - | | 1 | 50 | 1 | 50 | 100 | 100 |
| 2018-19 | M. Sc. | 8 | 18 | 36 | 82 | 6 | 31 | 13 | 69 | 2 | 7 | 29 | 93 | 100 | 100 |
| | Ph.D. | 1 | 25 | 3 | 75 | - | | - | | 1 | 25 | 3 | 75 | 100 | 100 |
| 2019-20 | M. Sc. | 6 | 33 | 12 | 67 | 4 | 66 | 2 | 37 | 2 | 16 | 10 | 83 | 100 | 100 |
| | Ph.D. | 1 | 20 | 4 | 80 | - | | - | | 1 | 20 | 4 | 80 | 100 | 100 |

M = Male, F = Female

**6.5.4.1.3 Composition of Students during last five years**

| Year | Postgraduate M. Sc. | | | | | | Postgraduate Ph.D. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Within the State | | Outside State | | Foreign | | Within the State | | Outside State | | Total | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| 2015-16 | 10 | 91 | 1 | 9 | - | - | 1 | 100 | - | - | 1 | 8 |
| 2016-17 | 27 | 84 | 5 | 15 | - | - | 7 | 88 | 1 | 12 | 8 | 15 |
| 2017-18 | 30 | 93 | 1 | 3 | 1 | 3 | 2 | 100 | - | - | 2 | 6 |
| 2018-19 | 44 | 100 | - | - | - | - | 4 | 100 | - | - | - | - |
| 2019-20 | 16 | 88 | 2 | 12 | - | - | 5 | 100 | - | - | 2 | 6 |
| Total | 127 | 92 | 9 | 7 | 1 | 0.7 | 19 | 95 | 1 | 5 | 11 | 7 |

**6.5.4.2. Number of Students in Theory and Practical Classes:** Mention the Degree Programme-wise number of students sitting in a class for theory and practical, separately in tabular form. Complete list of academic programmes (UG and discipline wise masters and Ph.D.), for which accreditation is sought, need to be provided. The list should provide only programmes in which students are already passed out.

| S. No. | Name of the Programme/ Department | Total intake/ years | | Batch of students in theory class | Batch of students in practical class |
|---|---|---|---|---|---|
| FACULTY OF AGRICULTURE | | | | | |
| 1 | Agronomy (Water Management) | 2015-16 | 2 | 1 | 1 |
| | | 2016-17 | 4 | 1 | 1 |
| | | 2017-18 | 3 | 1 | 1 |
| | | 2018-19 | 3 | 1 | 1 |
| | | 2019-20 | 3 | 1 | 1 |
| 2 | Agricultural Microbiology | 2015-16 | 3 | 1 | 1 |
| | | 2016-17 | 3 | 1 | 1 |
| | | 2017-18 | 4 | 1 | 1 |
| | | 2018-19 | 2 | 1 | 1 |
| | | 2019-20 | 3 | 1 | 1 |
| 3 | Environmental Sciences | 2015-16 | 3 | 1 | 1 |
| | | 2016-17 | 2 | 1 | 1 |
| | | 2017-18 | 4 | 1 | 1 |
| | | 2018-19 | 2 | 1 | 1 |
| | | 2019-20 | 3 | 1 | 1 |
| 4 | Seed Science and Technology | 2015-16 | 5 | 1 | 1 |
| | | 2016-17 | 4 | 1 | 1 |
| | | 2017-18 | 3 | 1 | 1 |
| | | 2018-19 | 4 | 1 | 1 |
| | | 2019-20 | 3 | 1 | 1 |
| 5 | Molecular Biology and Biotechnology | 2015-16 | - | - | - |
| | | 2016-17 | 4 | 1 | 1 |
| | | 2017-18 | 2 | 1 | 1 |
| | | 2018-19 | 6 | 1 | 1 |
| | | 2019-20 | 7 | 1 | 1 |
| FACULTY OF COMMUNITY SCIENCE | | | | | |
| 6 | Apparel & Textiles | 2016-17 | 3 | 1 | 1 |
| | | 2017-18 | 3 | 1 | 1 |
| | | 2018-19 | - | - | - |
| | | 2019-20 | - | - | - |
| 7 | Family Resource Management | 2016-17 | 3 | 1 | 1 |
| | | 2017-18 | 2 | 1 | 1 |
| | | 2018-19 | 2 | 1 | 1 |
| | | 2019-20 | - | - | - |
| 8 | Food and Nutrition | 2016-17 | 5 | 1 | 1 |
| | | 2017-18 | 5 | 1 | 1 |
| | | 2018-19 | 4 | 1 | 1 |
| | | 2019-20 | 4 | 1 | 1 |
| 9 | Human Development and Family Studies | 2016-17 | 4 | 1 | 1 |
| | | 2017-18 | 2 | 1 | 1 |
| | | 2018-19 | 3 | 1 | 1 |
| | | 2019-20 | 3 | 1 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| 10 | Home Science Extension and Communication Management | 2016-17 | 1 | 1 | 1 |
| | | 2017-18 | 1 | 1 | 1 |
| | | 2018-19 | 1 | 1 | 1 |
| | | 2019-20 | 2 | 1 | 1 |
| Ph.D | | | | | |
| 1 | Agricultural Microbiology | 2015-16 | 1 | 1 | 1 |
| | | 2016-17 | 1 | 1 | 1 |
| | | 2017-18 | 1 | 1 | 1 |
| | | 2018-19 | 1 | 1 | 1 |
| | | 2019-20 | - | - | - |
| 2 | Molecular Biology and Biotechnology | 2016-17 | 4 | 1 | 1 |
| | | 2017-18 | 1 | 1 | 1 |
| | | 2018-19 | 3 | 1 | 1 |
| | | 2019-20 | 4 | 1 | 1 |
| 3 | Apparel & Textiles | 2016-17 | 2 | 1 | 1 |
| | | 2017-18 | - | - | - |
| | | 2018-19 | - | - | - |
| | | 2019-20 | - | - | - |
| 4 | Family Resource Management | 2016-17 | 1 | 1 | 1 |
| | | 2017-18 | - | - | - |
| | | 2018-19 | - | - | - |
| | | 2019-20 | - | - | - |
| 5 | Human Development and Family Studies | 2016-17 | - | - | - |
| | | 2017-18 | - | - | - |
| | | 2018-19 | - | - | - |
| | | 2019-20 | 1 | 1 | 1 |

**6.5.4.3. Admission Process:** Clearly give complete mechanism of admission for UG, PG and Ph.D. programmes, fee payment mechanism, registration procedure, academic schedule publication at the start of the semester etc. (Write information in one page only

- Student admission policies are clearly defined and conforms to the ICAR norms

**Basis for Admission**

| Particulars of Examination | PG | Ph.D. |
|---|---|---|
| Qualifying Examination | B. Sc (Ag.)/ B. Sc (CS) | M. Sc (Ag.)/ M. Sc (CS) in concerned subject |
| Entrance Examination | ICAR-JRF | ICAR-SRF |
| Others (Specify) | - | - |

The admission process is through the PG Entrance Examination of ANGRAU till 2018-19. The University has taken a decision to implement the ICAR JRF/SRF Ranking as the criteria for admission into the PG admission process from the academic year 2019-2020 and it is implemented for the academic year 2020-21 also.

Prescribed fees is collected from the students at the beginning of each semester and registration will be done by the students. Academic calendar/schedule is prepared by the University before the start of each semester.

6.5.4.4. **Conduct of Practical and Hands on Training**: Mention the brief report on how the practical and hand-on-training is being conducted in different courses to meet the student satisfaction. Write information in one page only

- Practical classes are taken as per the schedule in the concerned labs/ fields. All the labs are having the infrastructure for conducting the practical class of 3 hours duration. The staff are very well trained and having minimum 5-10 years of experience in teaching/ research or both in the concerned discipline. The practical exercises are carried out by briefing the students in a step-wise manner before initiation with clear objective and output of the experiment. The students are allowed to do individually and practice the same till they get the result.
- The Agronomy practical exercises are planned in the fields of APGC, RARS, Lam or by a field tour to College Farm, Agricultural College, Bapatla and Agricultural Research Station, Jangamaheswarapuram.
- The Agricultural Microbiology experiments are conducted in association with the Scientists working in ARS, Amaravathi for the better exposure of the students to research programmes of the University in concerned field.
- The Department of Environmental Sciences is conducting practical classes in all the aspects as per curriculum. In addition outdoor tours are organised to the students for better exposure to practical problems faced by the farmers due to pollution.
- The P.G. students of Seed Science and Technology Department are getting hands on experience in conducting the experiments related to seed quality testing, storage, maintenance and invigouration. Further, the Department regularly takes the students to various seed industries, Organizations including Seed Certification Authority and Research Stations for the better exposure of the students to the latest technologies in quality seed production, testing and post-harvest handling.
- The Department of Molecular Biology and Biotechnology has all the equipment for conducting the practical classes to the PG students. The practicals are conducted in phased manner and the output is noted down in the records. The students are allowed to visit the Private industry Labs and organizations for better exposure. The students are working in reputed national and international research organizations for their thesis research work.

6.5.4.5. **Examination and Evaluation Process**: The evaluation of students' performance is a central task of College administration. A brief report on examination and evaluation process for UG, PG and PhD be given separately mentioning external/internal components. System of evaluation should clearly be mentioned for UG, PG and PhD.

**6.5.4.5.1 Evaluation of students' performance**

| Examination | PG | Ph.D. |
|---|---|---|
| Internal (percentage) | 67 | 67 |
| External (percentage) | 33 | 33 |
| Other (Specify) (percentage) | - | - |

- For P.G. internal Midterm examination for 30 Marks, Assignments, term papers and Seminars for 20 Marks, Practical continuous evaluation of class work for 25 Marks and Practical Final Exam for 25 Marks and External Semester Final Theory Examination for 100 Marks reduced to 50 Marks. The Final theory Common Examination Paper is set by the randomly chosen course in-charge by the University.

**6.5.4.5.2. Frequency of Student Evaluation (Per cent Weightage)**

| | PG | Ph.D. |
|---|---|---|
| **Monthly** | Continuous evaluation 16.6% | Continuous evaluation 16.6% |
| **Quarterly** | Mid-semester theory exam 20% | Mid-semester theory exam 20% |
| **Semester-wise** | Practical final exam 16.6%<br>Theory final exam 33.3% | Practical final exam 16.6%<br>Theory final exam 33.3% |
| **Others (Specify)** | Assignments 13% | Assignments 13% |

**6.5.4.6. NCC/NSS/RVC Units:** Clearly mention the existence and functioning of these units and how it is benefiting the student development. A brief report should be given (without photographs).

- The students are in the PG and Ph.D. programmes in the Institute and no NCC and NSS programmes are in operation. But a Weekly programme of 2 hours on Clean and Green programme is implemented on 4th Saturday of every month for the students and staff of the Institute.

**6.5.4.7. Language Laboratory:** It is required of any student to have a good command of the language for communication purposes, with clarity and accuracy being vital for effective and efficient communication. What helps one to acquire such proficiency in a language is the process and the method of learning that language. Mention which of these type of Conventional, Lingua Phone, Computer Assisted Language Laboratory and Multimedia Hi-Tech Language Laboratory are being used for language teaching in the college.

- The students are having a Course PGS 501, Non-credit Compulsory Course for improvement of technical writing and communication skills in English during the P.G. programme in accordance with the PG curriculum of ICAR.

**5.5.4.8. Cultural Center:** Does the college has cultural centre to empower student leaders to explore, celebrate, and educate the campus community about the diversity among them? Does the college offers an inclusive and reflective space, multicultural programming, and support services that encourage positive interaction, academic persistance, and growth among students, faculty, and staff?

- Various cultural and literary competitions are being conducted every year regularly from time to time to recognize and encourage the talents among the students. The competitions include, Cartoon drawing, Essay writing (English & Telugu), Poster Making, Elocution (English & Telugu), Collage Making, On spot painting, Rangoli, Solo song, Instrumental music, Extempore (English), Patriotic Poem (Telugu), Solo Dance, Mime action, Debate (English & Telugu), Group song, Group Dance, Group Mime, Quiz, Skit, One act play.
- Students are successfully participating in Inter-Collegiate Sports, Games, Cultural & Literary Meets of ANGRAU every year.
- Students are being deputed to participate in Sruganotsava and Youth Festivals of other academic organizations.
- Mr. Srikanth, Dept. of Microbiology has bagged the third place in the Essay Writing competition held in Inter Collegiate Sports and Games and Cultural and Literary Events 2019-20 held at KBR Agricultural College, Badvel.
- Ms. Babitha represented the University in the National ICAR sports Meet held during the year 2019-20 at SVVU, Tirupati.

**5.5.4.9. Personality Development:** Personality development programme is aimed at increasing employability of the students. Whether the college has provisions for inclusion of functional grammar in Standard English, speaking skills, reasoning, group discussions, interview skills, personal interviews, quantitative ability, verbal ability, mock tests and some special sessions to promote the personality development in the students?

- The students are encouraged to participate in various events including workshops, seminars, training programmes for all round development of the personality.
- The students are encouraged and motivated to participate in various literary and cultural events organized in the honour of our great national leaders on their birth/death anniversaries and national days.

**5.5.5. Physical facilities:**

**5.5.5.1. Hostels:** Clearly mention the number of hostels available for the College students for boys and girls, separately with its total capacity, students per room accommodated in each hostel, messfacility, drinking water, indoor games specially for girls, cleaning of hostel premises, transport facility, emergency medical facility etc.

- No hostel facilities are available in Advanced Post Graduate Centre, Lam. Two hostels, one each for boys and girls are constructed with a budget outlay of 8 crores for accommodating 84 boys/girls in each hostel.

**6.5.5.2. Examination hall:** Mention the availability of number of examination halls, its capacity etc. for the College. Not Available

**6.5.5.3. Sports and Recreation Facilities:** Clearly mention the number of indoor and outdoor sports facilities available for the College students. A brief note on day to day management and use of these facilities shall be provided in the report.

- One outdoor shuttle court is available, Materials for indoor sports like caroms, chess etc. and others materials like javelin, discs are available

**6.5.5.4. Auditorium:** Does the college has auditorium? Mention its year of construction, sitting capacity and how frequently being used for the College functions.

- No

**6.5.5.5. Exhibition Hall/Museum:** Does the college have the Exhibition Hall/Museum? Mention about its use and special events being conducted in these units.

- No

**6.5.6. Research Facilities**

**6.5.6.1. Postgraduate Laboratories and Equipments:** Clearly mention the department wise PG laboratories and equipment housed in individual laboratory in the Colleges along with any other research unit.

- The equipments available in various departments are as follows

**DEPARTMENT OF AGRONOMY (WATER MANAGEMENT)**

| S.No. | Particulars |
|---|---|
| 1. | Tensiometers |
| 2. | Digital soil moisture meters |
| 3. | Soil profile probe with data logger with moisture and temperature sensors |
| 4. | Micro Kjeldhal distillation cum digestion unit |
| 5. | Parshall flumes, V-notches, etc. |
| 6. | Water sample storage unit |
| 7. | USWB Pan evaporimeter |
| 8. | Infrared / laser thermometers |
| 9. | Soil augers |
| 10. | Double ring infiltrometer |
| 11. | Drip irrigation equipment along with installation charges |
| 12. | Water meters and Current meter |
| 13. | Non-recording rainguage |
| 14. | Electronic top pan and spring balances |

## DEPARTMENT OF ENVIRONMENTAL SCIENCES

| S. No. | Name of the Equipment |
|---|---|
| 1 | Electronic Balance |
| 2 | Hot Air Oven |
| 3 | Flame Photometer |
| 4 | Portable DO meter |
| 5 | Do meter optical type |
| 6 | Refrigerators |
| 7 | Centrifuge |
| 8 | Water bath |
| 9 | Sample Grinder |
| 10 | Microprocessor PH meter |
| 11 | Shaking Machine |
| 12 | BOD Incubator |
| 13 | Conductivity and TDS meter |
| 14 | Bench top turbidity colour chlorine meter portable |
| 15 | Weather Tracker |
| 16 | Integrating basic sound level meter |
| 17 | Salinity meter |
| 18 | BOD Dry Top |
| 19 | Thermo reactor/COD Digester |
| 20 | Spectro photometer |
| 21 | Portable Multi parameter Water Analysis Instrument |
| 22 | Automatic Nitrogen Estimation (Digestion and Distillation ) system |
| 23 | Data logging hand held Sound Level Meter (Type 2) |
| 24 | AAS |
| 25 | Ultra pure water purification system (Millipore) |
| 26 | Gas Chromatograph |
| 27 | Hand held Air Quality Monitor |
| 28 | Water Purification System (RO) |

## DEPARTMENT OF SEED SCIENCE AND TECHNOLOGY

| S.No. | Particulars |
|---|---|
| 1 | Seed Germinator |
| 2 | Seed Dividers |
| 3 | Seed sampling trers |
| 4 | Seed sampling Pipiti |
| 5 | Illuminated Purity Works Board |
| 6 | Flexible Arm Illuminated Magnifier |
| 7 | Advanced Analysis Kit |
| 8 | Seed Counter Computerised |
| 9 | Seed Counting Board |
| 10 | Lab aspirator (Bates type) |
| 11 | Seed Hand Test Sieves |
| 12 | Seed grader (Air Screen Cleaner type) Lab model |
| 13 | Seed Blower- Decota type |

| | |
|---|---|
| 14. | Compact Universal Digital Data Logging Moisture meter |
| 15. | Seed Grader |
| 16. | B O D Incubator |
| 17. | Hot Air Oven |
| 18. | Seed Moisture meter (Probe type) |
| 19. | Grain Vernier |
| 20. | Vacuum C11Desiccator ≥28 mHg |
| 21. | Refrigerator |

**DEPARTMENT OF AGRICULTURAL MICROBIOLOGY**

| S.No | Equipments available |
|---|---|
| 1. | Horizontal Laminar Air flow system |
| 2. | Borosil Water Softner |
| 3. | Digital Colony Counter |
| 4. | Photoplan Monocular Microscope |
| 5. | Refrigerated Microprocessor Centrifuge |
| 6. | Water bath |
| 7. | Anaerobic chamber |
| 8. | Vortex Cyclomixer |
| 9. | Digital electronic balance |
| 10. | Elisa Reader |
| 11. | Double distillation unit |
| 12. | Micropipettes |
| 13. | Multichannel pipettes |
| 14. | E-Shaker linear pipette |
| 15. | Gel documentation system with Analytes soft wear |
| 16. | Orbital Microcontroller shaking incubator |
| 17. | Borg Cooled incubators |
| 18. | Autoclave |
| 19. | LG Refrigerator |
| 20. | Labomed Inverted Research Microscope |
| 21. | Labomed digital stereozoom microscope |
| 22. | Laboratory Hot air oven |
| 23. | Microprocessor basic pH meter |
| 24. | ECmeter |
| 25. | Electrophoresis Unit |

**DEPARTMENT OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY**

| S. No | Name of the Item |
|---|---|
| 1. | Cryo cans |
| 2. | Refrigerated Water Bath |
| 3. | Water bath |
| 4. | Ice Making Machine |
| 5. | Electrophoresis units |
| 6. | -20°C Refrigerator |
| 7. | Nano Spectro photometer |
| 8. | pH Meter microprocessor based |

| | |
|---|---|
| 9 | Micro pipette |
| 10 | Refrigerated bench-top centrifuge with accessories (5804 R) |
| 11 | Gel electrophoresis unit with HV power pack dual |
| 12 | Plant growth chamber |
| 13 | Gel documentation system |
| 14 | Vortex shaker |
| 15 | Bench top orbital shaker |
| 16 | Table top -20 & -4 refrigerating unit |
| 17 | Refrigerator |
| 18 | PCR Machine |
| 19 | Glass bead sterilizer |
| 20 | Double distillation set |
| 21 | Speed Vac |
| 22 | Mini centrifuges |
| 23 | UV transilluminator |
| 24 | Hot air oven |
| 25 | Magnetic stirrer |
| 26 | pH meter |
| 27 | Rocker |
| 28 | Microwave oven |

**8.5.6.2. Research Contingency**: A note on amount of research contingency for each department shall be provided. Whether it meets the students' demand?

- There is no separate research contingency for each department. However, the expenditure for conduct of practical and research by the students will be met from the Non-plan budget provided by the University.

**8.5.7. Outcome/Output**

**8.5.7.1. Student Performance in National Examinations**: Provide detailed information in tabular form about student performance in JRF/SRF/NET/ARS and other national examinations for last five years. Only those students receiving fellowships should be mentioned here.

a. Number of students secured ICAR-JRF/SRF (erstwhile SRF) (The required information shall be obtained from the Examination Cell, ICAR)

| S.No | Name of the Student | Ph.D. Department (ICAR-SRF) | Admitted in the University |
|---|---|---|---|
| 1. | K. Manorama, GAM2017-13 | Molecular Biology & Biotechnology | CCS HAU, Hisar |

b. Number of students secured admission in Ph.D. through ICAR entrance examination. (The required information shall be obtained from the Examination Cell, ICAR)

| S. No. | Name of the Student | Ph D Department ICAR-JRF/SRF (erstwhile SRF) and Non SRF | Admitted in the University |
|---|---|---|---|
| 1 | P. Prasanna Lakshmi, GAM/2017-11 | Agricultural Microbiology | UAS, Dharwad |

C. Number of students qualified in NET/GATE etc

| UG and PG Programs | No. of Students quality NET/GATE/INSPIRE etc during last 3 years | | |
|---|---|---|---|
| | 2017 | 2018 | 2019 |
| Agronomy (Water Management) | - | 1 | - |
| Environmental Sciences | - | - | - |
| Seed Science & Technology | - | - | 2 |
| Agricultural Microbiology | - | 3 | 3 |
| Molecular Biology & Biotechnology | - | 1 | 3 |

**8.5.7.2. Students Placement Profile**: Provide detailed information in tabular form about student performance in ARS/and other national examinations/State level examinations or equivalent. Year wise placement profile shall be provided

| Year of admission | No. of students obtained jobs | Companies/Institution |
|---|---|---|
| 2016 | 11 | Govt. of A.P, Rythu Sadhikara Samstha, Dr. YSR Horticultural University, College of Horticulture, Tadepalligudem, ANGRAU, DAATTC, Banavasi, Kurnool (Dt.), Greenfields, Institute of Agriculture, Agripalli Kadiri Saturao College of Agriculture, C.S.Puram, Prakasam(Dt), RARS, Chintapalli, IIRR, Hyderabad, ANGRAU, Seed Technology, Polytechnic, ARS,JMPuram, Guntur(Dt.), Greenfields, Institute of Agriculture, Agripalli |
| 2017 | 4 | MRM trust Agricultural Polytechnic College, S. Mortagaleem, Amalapuram, East Godavari, KVK, Kandukuru, Prakasam (Dist.), Seed Works International Private Ltd., Hyderabad |
| 2018 | 9 (Discontinued) | Village Agriculture Assistant Recruitment through written examination conducted by Govt. of Andhra Pradesh |
| 2019 | 9 (Cancelled Seat) | Village Agricultural Assistant Recruitment through written examination conducted by Govt. of Andhra Pradesh |

6.5.7.3. **Awards/ Recognitions/ Certificates:** Provide information on awards/ recognitions /certificates in tabular form for last five years separately for students and faculty.

| S.No. | Name of the Faculty | Awards | Remarks |
|---|---|---|---|
| 1 | Dr. G. Ramachandra Rao | • University Best Teacher – 2011<br>• Dr. IV Subba Rao Rythu Nesthem Puraskaram, 2016<br>• State Ugadi Puraskaram – 2016<br>• State Best Teacher Award – 2019<br>• Nominated as Sector editor in field of Agriculture for the Journal published form National Research Centre, Cairo, Egypt | |
| 2 | Dr. K. Radhika | • University Best Teacher (Mandava Foundation) – 2016 | |
| 3 | Dr. Lal Ahamed M. | • University Best Teacher – 2016<br>• Associate Fellow of Andhra Pradesh Akademi of Sciences – 2018<br>• Fellow of Cotton Research Development Association for the year 2020 | |
| 4 | Dr. D. Ratna Babu | • Associate Fellow of Andhra Pradesh Akademi of Sciences | |

6.5.7.4. **Employability:** What are the set of achievements such as skills, understandings and personal attributes that make College students more likely to gain employment and be successful in their chosen occupations, which benefits themselves, the workforce, the community and the economy? Provide one page note on the subjects.

6.5.8. SSR of the College must have the SSR of all its Degree Programmes (following section 6.4), then the report of the Colleges shall be considered.

6.5.9. Certificate (Applicable when SSR is submitted for Programmes & College):

I, the Dean ..... hereby certify that the information contained in Sections 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the college and degree awarding university.

Signature of Dean of the college with Date & Seal

Special Officer
**Advanced** Post Graduate Centre
ANGR Agricultural University
Lam, Guntur-522 034, (A.P.)