



**ACHARYA N G RANGA AGRICULTURAL UNIVERSITY  
LAM, GUNTUR, ANDHRA PRADESH**



### **Model Training Course (MTC)**

on  
**SEED QUALITY CONTROL SYSTEM TO MEET  
THE NATIONAL & INTERNATIONAL STANDARDS**

Jan 18-25, 2019

Sponsored by  
DIRECTORATE OF EXTENSION  
MINISTRY OF AGRICULTURAL COOPERATION AND FARMERS'  
WELFARE  
GOVERNMENT OF INDIA, NEW DELHI



#### **Course Director**

Dr.K.Radhika

#### **Course Coordinators**

Dr.K.Bayyapu Reddy  
Dr.M.Raghavendra



DEPARTMENT OF SEED SCIENCE AND TECHNOLOGY  
ADVANCED POST GRADUATE CENTRE,LAM, GUNTUR

#### **Background:**

Seed is the basic input in Agriculture which plays a crucial role in enhancing the production and productivity. Seed quality control system is helpful to maintain the quality of the seed during seed production, post-harvest operation and distribution of seeds and make available high quality seeds and propagating materials to the farmers. Timely availability of quality seed at affordable price is desirable to achieve the required target of food security. The main theme of this training is to impart the young and mid-career professionals with the latest knowledge on policies in seed legislation, quality control and export regulations at par with international standards.

#### **About the Institute:**

Acharya N.G. Ranga Agricultural University (ANGRAU), a premier institute in agricultural education in India, is involved in constantly generating and disseminating the improved technologies to the farmers for improving the production and economic status of the farmers. The University has developed and released >400 varieties / hybrids in various crops including four mega rice varieties viz., Samba Mahsuri, Swarna, Cotton Dorasannalu and Vijetha, which occupy about 25 percent of rice cultivated area in the country. The University intensified seed production programmes at various research centres with the objective of achieving maximum seed replacement rate in major crops of the state.

The Advanced Post Graduate Centre (APGC) has been established to provide high quality Post Graduate education to the students that encompasses interdisciplinary approach 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. In APGC, the Department of Seed Science and Technology has been entrusted with the responsibilities of teaching and guiding Post-Graduate students, involving in extension activities like imparting training to the officials of public and private seed industry, farmers *etc.* who are concerned with various aspects of seed production, processing, storage and quality control

#### **Objectives of Model Training Course**

- To improve the knowledge of the trainees on the legislative provisions & processes and the mechanisms of seed quality control
- To make aware of the intricacies related to the quality control and export of seeds

#### **Course content**

- Seed Quality Control System- Basic principles; Generation system of seed multiplication; Seed supply systems in India; Organizations involved in seed production and quality control in India; Role, achievements and challenges of National Seed Corporation and State Seed Corporation in production and supply of seeds in India; Role of certification agencies and seed testing laboratories in seed quality control in India; Development and Current Status of Indian Seed Industry
- Seed Act, 1966 and its Amendments; Seed Rules, 1968 and its Amendments; Seed (Control) Order, 1983; National Policy on Seed Development, 1988; Plants, Fruits and Seeds Order, 1989; National Seed Policy, 2002; New Seed Bill, 2004; Strengths and Weaknesses of New Seed Bill, 2004 and New Seed (amendment) Bill, 2010 vs the Seeds Act, 1966
- Seed Certification procedure for assuring seed quality; Indian Minimum Seed Certification Standards (IMSCS)- General and specific crop standards; Post-harvest management techniques for seed quality assurance; Seed testing concepts, objectives and role in seed quality control; Genetic Purity Testing; Plant variety protection (PVPFRA & UPOV)
- International organizations involved in seed trade and seed quality control; Role of International Seed Testing Association (ISTA) in the development of seed testing procedures, rules and seed quality assurance; OECD seed schemes for international seed trade
- Plant quarantine, regulations for export and import of seeds and planting materials and organizational set up in India; Prevention of exotic and destructive insect pests of agricultural and horticultural crops as per seed certification and plant quarantine requirements; International regulation in respect of seed health testing; International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA); National and international regulations on seed gene bank management and germplasm exchange

### Course duration

January 18-25, 2019

### Eligibility

The Model Training Course is meant exclusively for the State Extension / Developmental Officers of Agriculture / Horticulture Departments and KVK scientists of ICAR / SAUs. The total number of participants shall be limited to 20. There is no course fee to the participants for attending this training.

### Travel, Boarding and Lodging

The boarding, lodging and travel expenses of the selected participants from the state Departments of Agriculture and Horticulture will be met from the funds provided by the Ministry of Agriculture as per the norms and operational guidelines for organisation of Model Training Courses. Participants will be paid to and fro fare for journey by train (upto III AC) or bus or other means of transport *in vogue* as the case may be. Actual TA will be paid on production of tickets by the participants. However, for the participants coming from ICAR/SAU/KVKs, the TA and DA expenditure will have to be borne by their nominating organisation / Institute and the boarding and lodging will be provided by the organizers.

### How to apply

Application for the participation in the MTC may be made in the prescribed format as given herewith and forwarded by the competent authority where the candidate is employed. Applicants may send an advance copy if they anticipate delay in forwarding through proper channel. However, the final selection will be made only if the application duly recommended by the competent authority is received.

After the candidates are intimated of their selection, they should immediately reply with firm acceptance. Cancellation at the last moment for casual reasons after acceptance is undesirable as it will deprive other eager candidates who could have availed of the opportunity.

### Important Dates

Last date for receipt of the application	15.12.2018
Intimation of Selection	20.12.2018
Participation confirmation by the candidates	22.12.2018

### How to reach APGC, Lam, Guntur, Andhra Pradesh:

Advanced Post Graduate Centre is located at Lam, Guntur, Andhra Pradesh 9 km towards north of Guntur Railway Station (GNT) and 10 km towards north-west of the Guntur Bus Station joining the Guntur Amaravathi Road. Buses / auto can be availed at railway / bus stations to reach APGC, Lam, Guntur.



### Application form for participation in MTC

(To be sent to the Special Officer, APGC)

1. Full Name (in BLOCK LETTERS)
2. Designation
3. Present employer and address
4. Address for correspondence (Give E-mail, Telephone/Mobile Number)
5. Permanent Address
6. Sex: Male / Female
7. Marital Status : Married/Unmarried
8. Academic record (Indicate in tabular form examinations passed from B.Sc. degree onwards, Main subjects, Year of passing, Class / Rank, University / Institution and Other information, if any)
9. Service experience

10. Signature of applicant (indicate name, place and date)
11. Recommendation of the forwarding Institute (Signature, date, designation / address)

### Certificate

It is to certify that the above information was furnished as per the office record and was found correct

(Signature and Designation of sponsoring authority)

### Applications / nominations may be sent to:

**Dr. N. Trimurtulu**

Special Officer  
Advanced Post Graduate Centre  
Lam, Guntur-522 034  
Email: [apgc.angrau@gmail.com](mailto:apgc.angrau@gmail.com)  
Phone: +91 9490776084

### For further information please contact:

#### COURSE DIRECTOR

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