



Special training programme for Agri Engg / Agriculture students

National Institute of Plant Health Management (NIPHM) Hyderabad proposes student training programmes in various areas as mentioned below. This training will be beneficial to understand the basics of concepts with hand-on practice to enable the graduates ready for employment. It is a unique opportunity to learn from one of the premier national training institutes of the country.

Programme 1:

- Title of the programme : Farm Equipment for plant health management**
Duration : 5 days
Mode of training : Physical mode with theory and hands-on practice & visits
Major topics to be covered :
- Equipment and practices for seedbed preparation
 - Transplanting and seeding equipment
 - Principles of pesticide application techniques
 - Appliances and practices for pesticide application
 - Weeding methods and equipment
 - Calibration and care & maintenance of sprayers
 - Advancements in spray application techniques

Programme 2:

- Title of the programme : Smart Farming**
Duration : 5 days
Mode of training : Physical mode with theory and hands-on practice & visits
Major topics to be covered :
- Sensor based plant protection techniques
 - RS & GIS in agriculture
 - Automation in irrigation systems
 - Drone usages in agriculture
 - Precise farming
 - Robotics in agriculture
 - Alternative processing methods for fruits and vegetables

Programme 3:

- Title of the programme : Post-harvest management techniques**
Duration : 5 days
Mode of training : Physical mode with theory and hands-on practice & visits
Major topics to be covered :
- Cleaning and grading of agricultural produce.
 - Drying and dehydration of fruits and vegetables
 - Storage methods/ structures for food grains
 - Import/ Export procedures for commodity
 - Machinery used in processing sector
 - Storage and transportation of fruits and vegetables
 - Packaging and materials used for packaging

Programme 4:**Title of the programme : Pesticide application techniques**Duration : **5 days**

Mode of training : Physical mode with theory and hands-on practice & visits

Major topics to be covered :

- a. Principles of pesticide application techniques.
- b. High, low and ultra-low applications
- c. Nozzles and Calibration of sprayers
- d. Safety, care & maintenance of sprayers
- e. Advancements in spray application techniques
- f. Field assessment of various sprayers
- g. Droplet density and its importance, measurement

Programme 5:**Title of the programme : Refresher course on Agricultural Engineering**Duration : **10 days**

Mode of training : Physical mode with theory and hands-on practice & visits

Major topics to be covered : This course will cover major topics in Agricultural Engineering with hands-on practice. It includes farm machinery for plant health management, irrigation systems and advancements, post-harvest operations in agriculture, innovative and advanced techniques like, RS&GIS, drones and robotics in agriculture, precision farming practices etc. Participant will get practical knowledge in operating, maintaining and successfully managing various equipment during the programme.

Eligibility for the programmes

The programmes are open to final year / 3rd year students of Ag Engg /Agriculture. Graduates and post graduate students are also eligible to attend.

Accommodation:

The participants will be accommodated in Institute hostel on sharing basis. Cafeteria is available at hostel.

Course fee: The course fee would be Rs. 1300/- per day per participant. Interested candidates shall pay an amount of in the following account through proper channel. The fee covers entry to all sessions, course materials, certificate, accommodation and food charges.

Programme-wise fee details: (per participant)

S No	Programme Title	Course Fee (Rs.)
1	Farm Equipment for plant health management	6500
2	Smart Farming	6500
3	Post-harvest management techniques	6500
4	Pesticide application techniques	6500
5	Refresher course on Agricultural Engineering	13000

The payment may be done using NEFT/RTGS/UPI to the following bank account:

A/c Number : 32917658917

Corporate Address : National Institute of Plant Health Management, Rajendranagar

Branch : Rajendra Nagar, Hyderabad (20074)

IFSC : SBIN0020074

Registration for the programme

The interested candidates shall register at NIPHM website, using the following link. (<http://14.139.92.166/STATRAININGS/register.aspx>). Select the programme (from the given list) and complete the registration. Students undergoing the course, shall upload permission letter from the concerned college/university, in place of educational qualification certificate. The selected candidates will be informed through mail/mobile number with login details, where the payment can be completed.

For any enquiry regarding the programme, candidates may contact Dr. Vidhu Kampurath P, Joint Director (PHE) at jdenggniphm-ap@nic.in or 8500719241