

Low Cost Technology Development for Physical Pest Management

TEQIP+CEP course

(Under the aegis of Unnat Haryana Abhiyan)

IIT Delhi (Sonipat Campus)

13th -17th October, 2018

THE NEED

The crop production has become extremely toxic due to the extensive use of chemicals for pest management. It is an urgent requirement for technology to step in for reducing the chemical pest management and at the same time develop tools for physical pest management. The scope of using the rural, low-cost mechanisms is extremely less explored despite having a huge potential. This course aims to train and encourage the practitioners to develop low-cost physical pest management techniques and help growing safe crops.

OBJECTIVES

The course aims to develop the skills on physical aspects of plant health management. It aims at introducing the low-cost technology development from rural resources to initiate plant protection at a prophylactic level rather than curative level.

The technologies studied and developed in the course will help the engineers, crop practitioners, researchers, industries and start-up aspirants to work towards physical pest management. After this course, the participants will be able to explain various physical methods and mechanical methods of pest control.

FOR WHOM

Technology developers, technology practitioners, technology communicators, extension workers, engineers, growers, agricultural industries, agricultural researchers, consultants, students, faculty, start-up aspirants, etc.

HOW TO APPLY

The interested applicants can submit their application online at:

<https://goo.gl/forms/rai79xoilTUI7bLf1>

Last date to apply: 5 October 2018

PROGRAMME FEES (CEP Programme)

For non-residential: 10000+18%GST. For Residential: 20000+18%GST. The fees is inclusive of course registration, meals, literature, industrial visits, hands on experience gaining of technology development, certificate and post-course discussion slot for two weeks for clearing any doubts.

Fee is payable online (via net banking) to the IIT Delhi CEP Account.

Name of the Accountholder: IITD CEP ACCOUNT

Account number: 36819334799

Name of the Bank: STATE BANK OF INDIA

IFS Code: SBIN0001077

SWIFT Code: SBININBB547

Note: There is no fees for TEQIP participants.

PROGRAMME DESIGN

The course will be a generous mix of methodically designed classroom lectures, experience sharing talks by stalwarts of the field, industry visit to learn the technology development operation, interactions with technology entrepreneurs, group activities and tutorials.

The evenings are designed to give cultural insights to the participants, musical nights and karaoke during festival season. The event is being organized at IIT Delhi Sonipat Campus which will also give the participants an opportunity to have the taste of traditional food of Haryana and Delhi.

TOPICS FOR DISCUSSION

Introduction to different types of pest management technologies, Chemical pest management and its impact, scope of physical pest management, key factors to plan for application of physical pest management, low cost technology development for trap strips, flight path, decision making tools, biorational and conventional technologies, exclusion and barriers traps, physical disturbance, sound, lethal temperature, controlled atmosphere, dusts and particulates, irradiation, development of entrapment devices from rural resources, biosensors for early detection of diseases, vector detection tools, economic and environmental impact of physical pest management and case studies.

FACULTY

The faculty members, experts and guest speakers would be from IIT, other National and International institutions. The successful entrepreneurs and users of physical pest management are invited for sharing their experience with the participants. The technological and application aspects will be discussed and covered through class lectures, tutorials and field visits by experienced faculty.

ACCOMODATION

Selection of 30 candidates (For TEQIP programme) and 20 (CEP programme) will be done on first come, first served basis after shortlisting candidates based on their background and interest in the subject. Accommodation Boarding and lodging will be arranged for the selected candidates, at Sonipat campus on a twin-sharing basis. All rooms are air-conditioned and equipped with required basic amenities. Participants who need onsite accommodation are requested to indicate in the application form. The allotment of rooms will be on first come, first served basis.

COURSE COORDINATOR



Dr. Kavya Dashora

Assistant Professor, Centre for Rural Development and Technology, IIT Delhi - 110016



kdashora@rdat.iitd.ac.in



011-2659-1133

CONTACT DETAILS



Vinayak Fasake

Research scholar

research.pfe@gmail.com

7205580948



Ayushi Srivastava

Research scholar

ayushi.279@gmail.com

9654257026



Mansi Mishra

Research scholar

maansi_mishra@yahoo.co.in

8004859772



Harsha Nag

Research scholar

harshanag13@gmail.com

8209505576

Connect with us  @ IITDTEQIP