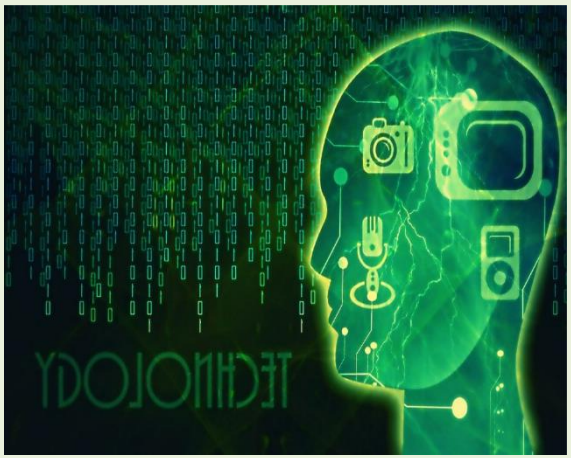
Registration

Application form for participation in "Online Training Program on Digital advances in plant protection".

Registration link:

https://forms.gle/6u8EZhNHyFAkR9Sw7

NO REGISTRATION FEE



IMPORTANT DATES

Last date for registration:

31st December 2025

Address for correspondence:

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For further information, kindly contact

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Training Program under ICAR-HRM "Digital advances in plant protection" (Online)

January 12-16 2026

Course Director: **Dr. Raman Thangavelu**
Director,
ICAR-NRIIPM

Course Conveners: **Dr. Rekha Balodi,**
Dr. Manoj Chaudhary
&
Dr. Meenakshi Arya
ICAR-NRIIPM

Course Coordinators: **Dr. PN Meena**
&
Dr. Rakesh Kumar
ICAR-NRIIPM

ICAR- National Research Institute for Integrated Pest Management
New Delhi

About ICAR-NRIIPM

National Research Institute for Integrated Pest Management (NRIIPM) is a premier research institute under the aegis of Indian Council of Agriculture Research (ICAR). After its establishment in 1988 the institute is working to develop and promote Integrated Pest Management (IPM) technologies for major crops with minimum ecological implications; generate national database on all aspects of pest management, advice national priorities and pest management policies; establish linkages with national and international institutes in the area of IPM and to extend technical consultancies. It acts as an interface between research, development and application of IPM technologies. Centre made modest beginning in 1995-1996 through synthesis and validation of IPM modules for cotton, rice, chickpea and mustard. The success story of IPM in cotton during 1996-1998 in Maharashtra was exemplary and provided a model for development of similar modules for other crops and regions. Integration of electronic networking through development of customized softwares, supporting infrastructure and human resource development are necessary for wide area dissemination and adoption of IPM. ICAR-NRIIPM envisages larger role in making IPM practices more effective across the country through higher levels of integration of multidisciplinary technologies and of stakeholders by means of improved research, education, training and extension for an enhanced crop and ecological health, and sustainable agricultural growth.

Background and about the training

Pests remain one of the major biotic constraints in achieving national food security, causing yield losses of 10–30% depending on crop genetics and environmental conditions. Integrated Pest Management (IPM) has evolved into a holistic, multi-tactical approach aimed at maintaining pest populations below economic thresholds while ensuring ecological and economic sustainability. With the increasing need for rapid pest diagnostics, surveillance, forecasting, and timely advisory services, Information and Communication Technologies (ICT) have become vital tools in modern plant protection. Applications such as e-pest surveillance, digital advisories, automated pest identification, and early-warning systems are transforming the way pest management information is delivered. Recent advancements in artificial intelligence further expand opportunities for developing expert systems and decision-support tools for farmers and extension personnel.

This online training programme aims to familiarize participants with the latest ICT innovations in plant protection and demonstrate their practical applications in addressing emerging challenges, including climate change and shifting pest dynamics. These techniques offer cost-effective and wide-reaching solutions for strengthening pest management services and enhancing crop resilience.

Course content

- Introduction to IPM.
- ICT in plant protection
- E pest surveillance and advisory
- Digital diagnostics
- Pest forewarning

Eligible participants

Scientists and technical officers, SMSs of KVKs, Field functionaries and Students

Note:

Participation certificates to the participants will be issued after successful completion of the training programme.