



***Industry Readiness Training Program for  
Students/Analysts on  
“Instrumentation and Data Interpretation for Quality Testing”  
from 19.02.2025 to 28.02.2025 (10 days)***



**NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT**

Department of Agriculture & Farmers Welfare,  
Ministry of Agriculture & Farmers Welfare,  
Rajendranagar, Hyderabad – 500030, Telangana, India

## About the organization

NIPHM is a National-level institute under the administrative control of the Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers' Welfare, GOI. Known for its uniquely designed capacity building programs for officials, analysts, and students of various state, central and private organizations.



Pesticide Management Division (PMD) of NIPHM has state-of-the-art training and analytical facilities equipped with GC, HPLC, LC-MSMS, GC-MSMS, and ICP-OES. The division's Pesticide Formulation and Residue Analytical Centre (PFRAC) is accredited as per the ISO/IEC: 17025-2017 for analysis and the Proficiency Testing Centre (PTC) is an accredited PT provider as per ISO/IEC:17043-2010.

## Eligibility:

Graduates from basic sciences and other allied life sciences

**Duration: 10 days**

## Expected Outcomes:

- hands-on training on the operation of various equipment for the analysts
- skill development, and career enhancement, in chemical, Pharma, and analytical fields
- practical knowledge based on standard methods

## Training Course Fee: (incl. GST)

**Rs.7000/- for students**

**Rs.12500/- for working professionals**

**Boarding and Food Charges: per day (incl. GST) (double occupancy)**

Rs. 1000/- (Silent spring), Rs. 500/- (Hostel-I), Rs. 118/- (dormitory)

Food Charges: Rs. 300 /- approx. /day/person

**Bank Details: by NEFT/RTGS/UPI:**

**Bank account Number: 40373518076,  
IFSC: SBIN0020074**

**Branch: Rajendranagar, Hyderabad  
(Branch code: 20074)**



For further details please

- visit: <https://niphm.gov.in>
- E-mail : [sopmd.niphm@gmail.com](mailto:sopmd.niphm@gmail.com) or [dirpnmniphm-ap@nic.in](mailto:dirpnmniphm-ap@nic.in)
- Call at : +9140-24002048, 9704514623

SCAN & PAY



# **Pesticide Management Division, NIPHM, Hyderabad**

## **Industry Readiness Program on “Instrumentation and Data analysis for Students/Analysts”**

**(19.02.2025 to 28.02.2025)**

The program is designed for Students, scholars, graduates and other life sciences with an aim to enhance their knowledge on analytical techniques through theoretical and hand-on practical sessions on analytical instruments. This program will enable them to get readiness for the jobs in chemical, pharma and analytical fields.

**Duration:** 10 days

**Eligibility:** B.Sc. / M.Sc. Research Scholars, graduates from and other allied life sciences

### **Course Content:**

1. Introduction to Spectrophotometry
2. Working principle and instrumentation of UV-Vis spectrophotometer, FTIR and ICP-OES
3. Practical sessions on quantification of analytes using ICP-OES, UV-VIS Spectrophotometry
4. Introduction to Chromatography
5. Working principle and instrumentation of High Performance Liquid Chromatography (HPLC) and Gas Liquid Chromatography (GLC)
6. Practical sessions on quantification of analytes using HPLC and GLC
7. Importance of method validation and parameters for method validation