

ADVANCED INSTRUMENTATION TRAINING PROGRAM (AITP)

Master the Art of High-End Instrumentation

Program Objective

Gain in-depth hands-on training in high-end instrumentation. Learn instrument handling, calibration, data acquisition, and sample analysis directly under expert

Instrumentation Areas (Choose One)

Electron Microscopy (FESEM & Cryo-EM)
Automated Confocal Microscope (CD7)
Confocal Microscopy (CD7, Light Sheet)
Spectroscopy (SSPL & TRPL)
CHNS/O Elemental Analysis
3D Metal Printer with CNC
HRMS

Program Duration & Mode

Duration: 3 Months
Mode: On-site, Hands-on Training at SATHI IIT Delhi
Sonipat campus

Eligibility Criteria

Graduate/Postgraduate students
PhD scholars & Early-career researchers
Industry professionals
Background in relevant scientific or engineering disciplines

Week 1 - Orientation

Introduction to SATHI facilities
Safety protocols & SOPs
Interaction with the assigned operating scientist

Week 2-10 - Hands-on Learning

Attached to a chosen instrument (based on availability)
Assist operating scientists in real-time sample analysis
Learn calibration, maintenance, and troubleshooting
Understand data processing workflows

Week 11-12 - Independent Analysis

Analyze provided samples independently
Interpret data, prepare report
Final evaluation by operating scientist
End of Week 12 - Evaluation & Certification
Present findings in a final presentation
Receive certificate from SATHI IIT Delhi

- BATCH SIZE & REGISTRATION
- BATCH SIZE: 3-5 TRAINEES PER INSTRUMENT
- REGISTRATION: OPEN YEAR-ROUND

- ONLINE APPLICATION (WITH INSTRUMENT CHOICE)
- SHORTLISTING BASED ON MERIT & AVAILABILITY
- CONFIRMATION VIA EMAIL WITH START DATE

FOR REGISTRATION AND PROGRAM FEES, PLEASE VISIT
THE LINK OR SCAN THE QR CODE



<https://forms.gle/dJae7eqcMZqsNSix5>



Plot 4B, Rajiv Gandhi Education City, Sonipat, Haryana 131029. INDIA.



(+91) 9958155002



<https://sathi.iitd.ac.in/index.php>