

Brochure

Name of the SDTP Coordinator	Professor Suman Mukhopadhyay
Name of the SDTP Trainer	1. Kinny Pandey (<i>for NMR & FESEM instrument</i>) 2. Ghanshyam Bhavasar (<i>For LCMS & GCMS</i>) 3. Ravinder (<i>for Confocal Microscopy</i>)
Department/Workshop /Center	Sophisticated Instrumentation Centre (SIC)- A National Facility
Name of Laboratory/ training unit	SIC Lab
Title of the Program	Training on Sophisticated Analytical Instruments
Details of the program	<p>SIC is going to start a training certificate program to train young minds with operations of sophisticated state-of an art scientific instrument. It will help participating candidates to develop skill and explore better opportunities for themselves in academia and industries.</p> <p>Instruments in which hands-on training to be provided are NMR, FESEM, LCMS, GCMS & Confocal microscope. The details are as follows:</p> <ul style="list-style-type: none"> • Basic theory of the functioning of the instruments. • Functionality of the different parts of the instrument. • Sample preparation techniques. • Data recording and dissemination of the results. • Common Troubleshooting & maintenance. <p><i>The training program will be conducted continuously as and when participant apply.</i></p>
Pre-Requisites, if any. Minimum Education Qualification	Applicants should be minimum Graduate in Science/Engineering or Diploma holder in any branch of engineering.
Duration (in days) And hours per day with proposed timings	Starting from February 10, 2022 For more details <i>please refer to Annexure - I</i>
Mode of SDTP (Online/Offline)	Offline
Fees (including GST)	<i>Please refer to Annexure - I</i>
Contact details	Emails: sic@iiti.ac.in Contact Numbers; 0731-6603328, Kinny Pandey: 0731-6603541 Ghanashyam Bhavasar: 0731-6603543

FEE STRUCTURE FOR TRAINEES

Course	Instrument	Fees (INR) for Weekly course			Fees (INR) for Monthly course		
		General	Industries	IITI Students	General	Industries	IITI Students
I	NMR	5,000/-	10,000/-	2,500/-	10,000/-	20,000/-	6,000/-
II	LC-MS	5,000/-	10,000/-	2,500/-	10,000/-	20,000/-	6,000/-
III	GC-MS	5,000/-	10,000/-	2,500/-	10,000/-	20,000/-	6,000/-
IV	CSLM	5,000/-	10,000/-	2,500/-	10,000/-	20,000/-	6,000/-
V	FE-SEM	5,000/-	10,000/-	2,500/-	10,000/-	20,000/-	6,000/-
VI	NMR, FE-SEM	10,000/-	20,000/-	5,000/-	20,000/-	40,000/-	12,000/-
VII	LC-MS, GC-MS	10,000/-	20,000/-	5,000/-	20,000/-	40,000/-	12,000/-
VIII	NMR, LC-MS, GC-MS, CSLM, FE-SEM	25,000/-	50,000/-	12,000/-	50,000/-	1,00,000/-	30,000/-

Note:

- 1) **Eligibility for the training program:** Applicants should be minimum Graduate in Science /Engineer or Diploma holder in any branch of Engineering.
- 2) Training time from **11 am to 5 pm**.
- 3) A batch of **2 students** on each instrument will be allocated between **1st to 5th day of every month** after scrutiny of their application, the same will be **intimated via email** to the respective participants.
- 4) **Examination** will be held after completion of the course.
- 5) Candidate opting for **monthly program** will get opportunity to **record and analyze their sample** at the end of the course.
- 6) All request emails should be sent to **sic@iiti.ac.in**.
- 7) Abbreviation used Nuclear Magnetic Resonance (**NMR**), Liquid Chromatography Mass Spectrometry (**LC-MS**), Gas Chromatography Mass Spectrometry (**GC-MS**), Field Emission Scanning Electron Microscopy (**FE-SEM**), Confocal Scanning Laser Microscopy (**CSLM**).