



Ministry of Electronics &
Information Technology,
Government of India



Indian Nanoelectronics Users' Programme – Idea to Innovation
A project of MeitY, Govt. of India



**INUP- i2i Hands-on Training Workshop on Fabrication and Characterization of MEMS Devices
February 13 - 22, 2023 IIT Bombay
Programme Schedule**

Monday (February 13, 2023) Venue: Room # 32, 3rd Floor, VMCC		
9:30AM - 4:00PM	One day lecture series on "HORIBA Semiconductor Solutions Lecture Series"	
Tuesday (February 14, 2023) Venue: Conference Room, 4th Floor, VMCC		
08:30 - 09:20 AM	Registration	
09:30 - 10:30 AM	Overview of INUP-i2i	Dr. K. Nageswari
	Tea Break	
11:00AM- 12:30PM	Thin Film Deposition	Prof. Anil Kottantharayil
12:30 - 01:00 PM	Process flow discussion	Dr. Deepti Rukade
01:00 - 02:00 PM	Lunch Break	
02:00 - 7:00 PM	Lab session	
Wednesday (February 15, 2023) Venue: Conference Room, 4th Floor, VMCC		
09:30 - 10:00 AM	RCA Cleaning	Ms. Minita Surwade
10:00 – 11:00AM	Overview of IITBNF infrastructure	Dr. Deepti Rukade
	Tea Break	
11:30 AM - 12:15 PM	Oxidation	Mr. Soumyadip Chatterjee
12:15 – 1:00 PM	Clewin Software Training	Ms. Akshata Bhosale
01:00 - 02:00 PM	Lunch Break	
02:00 - 07:00 PM	Lab session	
Thursday (February 16, 2023) Venue: Conference Room, 4th Floor, VMCC		
09:30 - 10:30 AM	MEMS Beam-Mass and Beam-Membrane sensors with electromechanical Transduction elements	Prof. Seena, IIST
10:30 – 11:15AM	Lithography, Etching & Lift off	Mr. Nama Premsai
	Tea Break	
11:45AM - 12:45PM	Overview of Deep Reactive Ion Etching	Dr. Bikash Dev Choudhury
12:45 - 01:45 PM	Lunch Break	
01:45 - 07:00 PM	Lab session	
Friday (February 17, 2023) Venue: Board Room, 4th Floor, VMCC		
09:30 - 10:15 AM	Sensors to Biosensors	Prof. Soumyo Mukherji
10:15 - 11:00 AM	X-ray Photoelectron Spectroscopy Analysis	Ms. Anjum Ahmed
	Tea Break	

11:30 AM - 1:00 PM	Presentation by participants	
01:00 - 02:00 PM	Lunch Break	
02:00 - 07:00 PM	Lab session	
	Monday (February 20, 2023)	
	Venue: Conference Room, 4th Floor, VMCC	
09:30 - 10:30 AM	Metrology: Semiconductor Materials and Devices	Prof. Apurba Laha
10:30 - 11:30 AM	Presentation by participants	
	Tea Break	
11:30 AM - 1:00 PM	Photoluminescence spectroscopy of the semiconductors	Mr. Soumyadip Chatterjee
01:00 - 02:00 PM	Lunch Break	
02:00 - 07:00 PM	Lab session	
	Tuesday (February 21, 2023)	
	Venue: Conference Room, 4th Floor, VMCC	
09:30 - 10:15 AM	Presentation by participants	
10:00 AM - 12:00 Noon	MEMS and Multiphysics	Mr. Vaibhav Adhikar, Comsol
	Tea Break	
12:15 PM - 01:00 PM	Plasma Doping System - Principle and working	Mr. Rowtu Srinu
01:00 - 02:00 PM	Lunch Break	
02:00 - 07:00 PM	Lab session	
	Wednesday (February 22, 2023)	
	Venue: Conference Room, 4th Floor, VMCC	
09:30 - 10:15 AM	MCQ Test	
10:15 - 11:15 AM	Presentation by participants	
	Tea Break	
11:15 - 12 Noon	Feedback session	
12 Noon - 12:30 PM	Certificate Distribution	