INUP- i2i Hands-on Training Workshop on Fabrication and Characterization of Inter-Digitated Electrodes and Microfluidics Channels
May 17-26, 2022 IIT Bombay
Programme Schedule

Tuesday (May 17, 2022) Venue: Conference Room, 4th Floor, VMCC		
08:30 - 09:20 AM	**Registration**	
09:30 - 11:00 AM	Overview of INUP-i2i	Dr. K. Nageswari
	Tea Break	
11:30 - 01:00 PM	Overview of IITBNF infrastructure	Dr. Deepti Rukade
01:00 - 02:00 PM	Lunch Break	
02:00 - 07:00 PM	Lab session	
Wednesday (May 18, 2022) Venue: GG Conference Room, 2nd Floor, GG Building		
9:30 – 10:00 AM	RCA cleaning	Ms. Minita Surwade
10:00 - 11:00 AM	Inter-digitated Electrodes for Biosensors	Prof. Soumyo Mukherji
	Tea Break	
11:30 AM -12:30 PM	Lithography	Dr. Bhanu Upadhyay
12:30 - 01:00 PM	Etching & Lift off	Mr. Nama Premsai
01:00 - 02:00 PM	Lunch Break	
02:00 - 07:00 PM	Lab session	
Thursday (May 19, 2022) Venue: Conference Room, 4th Floor, VMCC		
09:30 - 10:30 AM	Oxidation	Mr. Ambika Shukla
10:30 -11:30 AM	Modeling Microfluidics using COMSOL	Dr. Anties K. Martin, COMSOL
	Tea Break	
12 noon - 1:00 PM	Semiconductor Modeling using COMSOL	Dr. Vaibhav Adhikar, COMSOL
01:00 - 02:00 PM	Lunch Break	
02:00 - 07:00 PM	Lab session	
Friday (May 20, 2022) Venue: Conference Room, 4th Floor, VMCC		
09:30 - 10:30 AM	Microfuidic devices for health care applications	Prof. Debjani Paul
10:30 -11:15 AM	Plasma Doping System - Principle and working	Mr. Rowtu Srinu
	Tea Break	
11:45 AM - 12:40 PM	A MEMS based Explosives Trace Detector	Dr. Nitin Kale

01:00 - 02:00 PM	Lunch Break	
02:00 - 06:00 PM	Lab session	
	Monday (May 23, 2022) **Venue: Conference Room, 4ᵗʰ Floor, VMCC**	
09:20 - 10:30 AM	Impedance based biosensor for soil plant pathogen detection	Prof. Maryam Shojaei
10:30 - 11:15 AM	Electrical characterization of devices	Mr. Paritosh Meihar
	Tea Break	
11:45 PM - 1:00 PM	Presentation by participants	
01:00 - 02:00 PM	Lunch Break	
02:00 - 06:00 PM	Lab session	
	Tuesday (May 24, 2022) **Venue: Conference Room, 4ᵗʰ Floor, VMCC**	
09:30 - 10:30 AM	Modelling and simulation using TCAD	Mrs. Prachi Pohekar
10:30 - 11:30 AM	Introduction microsystems packaging	Prof. Pradeep Dixit
	Tea Break	
12noon - 1:00 PM	Presentation by participants	
01:00 - 02:00 PM	Lunch Break	
02:00 - 06:00 PM	Lab session	
	Wednesday (May 25, 2022) **Venue: Conference Room, 4ᵗʰ Floor, VMCC**	
09:30 - 10:30 AM	Overview of Deep Reactive Ion Etching	Dr. Bikash Dev Choudhury
10:30 - 11:00 AM	Mask Designing Using Clewin Software	Ms. Akshata Bhosle
	Tea Break	
11:30 AM - 01:00 PM	Presentation by participants	
01:00 - 02:00 PM	Lunch Break	
02:00 - 06:00 PM	Lab session	
	Thursday (May 26, 2022) **Venue: Conference Room, 4ᵗʰ Floor, VMCC**	
09:30 -10:30 AM	MCQ Test	
10:30 - 11:30 AM	IITBNF Lab overview & safety protocol	Ms. Satyavalli Paluri
11:30 am – 12 noon	Tea Break	
12 noon – 1:00 PM	Presentation by participants and Feedback session	