

Indian Nanoelectronics Users' Programme - Idea to Innovation (INUP-i2i)
10th User Awareness Workshop on Fabrication & Characterization Facility for Nanotechnology
Nanoscale Research Facility, Indian Institute of Technology Delhi
13th – 14th October, 2023
(Virtual Mode)

Workshop Coordinators: Prof. Neeraj Khare & Prof. Prashant Mishra



Day 1 (13th October 2023, Friday)

10:00 – 10:30	Inauguration	
10:00 – 10:10	Prof. Neeraj Khare (Physics, IITD)	Introduction to INUP-i2i Program
10:10 – 10:20	Dr. Sunita Verma (Scientist G, MeitY)	Address to Participants
10:20 – 10:30	Prof. Prashant Mishra (Biochemical Engineering and Biotechnology, IITD)	Introduction about the Workshop
10:30 – 11:30	Prof. Bhaskar Mitra (Electrical Engineering, IITD)	Clean Room
11:30 – 13:00	Prof. Sujeet Chaudhary (Department of Physics, IIT Delhi)	Vacuum Techniques
Lunch Break		
14:00 – 15:00	Prof. P.K Muduli (Department of Physics, IIT Delhi)	Sputtering
15:00 – 15:40	Prof. Samaresh Das (CARE, IIT Delhi)	ALD
15:40 – 16:10	Prof. Neeraj Khare (Physics, IITD)	E-Beam Deposition
16:10 – 17:00	Prof. Dhiman Mallick (Electrical Engineering, IITD)	Reactive Ion Etching

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Day 2 (14th October 2023, Saturday)

10:00 – 10:45	Prof. Prashant Mishra (Biochemical Engineering and Biotechnology, IITD)	Fourier-Transform Infrared Spectroscopy (FTIR)
10:45 – 11:30	Prof. Sunil Kumar (Physics, IITD)	Photoluminescence (PL)/RAMAN Spectroscopy
11:30 – 12:15	Prof. Neeraj Khare (Physics, IITD)	X-Ray Diffraction (XRD) / Scanning Electron Microscope (SEM)
12:15 – 13:00	Prof. Ankur Goswami (Materials Science and Engineering, IITD)	Atomic Force Microscope (AFM)
Lunch Break		
14:00 – 14:45	Prof. Rajendra Singh (Physics, IITD)	Electrical Characterization of Nanostructure Devices
MCQ Based Quiz and Concluding Remark		
14:45 – 15:00	MCQ Based Quiz	
15:00 – 15:30	Concluding Remark	