



Ministry of Electronics &
Information Technology,
Government of India

Indian Nanoelectronics Users' Programme - Idea to Innovation

6th User Awareness Workshop on Fabrication &
Characterization Facility for Nanotechnology
Nanoscale Research Facility, IIT Delhi

March 4th – 5th, 2023

Workshop Coordinator: Prof. Neeraj Khare

1st Day, 4th March 2023 (Saturday)

INUPi2i



Time (in hours)	Title	Venue
09:30 - 10:00	Registration	Physics Committee Room (MS-412)
10:00 - 10:10	Introduction to INUP-i2i Prof. Neeraj Khare (Department of Physics, IIT Delhi)	Physics Committee Room (MS-412)
10:10 - 10:17	Address to Participants Dr. Sunita Verma (Scientist G, MeitY)	Physics Committee Room (MS-412)
10:17 - 10:30	About the Workshop Prof. Neeraj Khare (Department of Physics, IIT Delhi)	Physics Committee Room (MS-412)
10:30 - 11:00	Tea Break	Physics Committee Room (MS-412)
11:00 - 11:40	Introduction & Usage of Clean Room (Manjeet Kumar, Department of Electrical Engg., IIT Delhi)	Physics Committee Room (MS-412)
11:40 - 12:25	Lithography (Suprovat Ghosh, CARE, IIT Delhi)	Physics Committee Room (MS-412)
12:25 - 13:00	Reactive ION Etching (RIE) (Vinit Yadav, Department of Electrical Engg., IIT Delhi)	Physics Committee Room (MS-412)
Lunch Break (Faculty Guest House) (13:00 - 14:30)		



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Time (in hours)	Title	Venue
14:30 - 15:00	Sputtering Deposition (Ashutosh Kumar, Department of Energy Science & Engg., IIT Delhi)	Physics Committee Room (MS-412)
15:00 - 15:25	E-Beam Deposition (Dr. Deepanshu Sharma, NRF, IIT Delhi)	Physics Committee Room (MS-412)
15:25 - 15:50	Atomic Layer Deposition (ALD) (Suprovat Ghosh, CARE, IIT Delhi)	Physics Committee Room (MS-412)
Characterization Facility		
15:50 - 16:30	XRD/SEM (Amish/Mohit, Department of Physics, IIT Delhi)	Physics Committee Room (MS-412)
16:30 - 17:00	Tea Break	
17:00 - 17:50	Electrical (Hardhyan, Department of Physics, IIT Delhi)	Physics Committee Room (MS-412)



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2nd Day, 5th March 2023 (Sunday)

 **INUPi2i**



Time (in hours)	Title	Venue
10:00 - 10:40	Ellipsometry (Vaibhav Chaturvedi, Department of Electrical Engg., IIT Delhi)	Physics Committee Room (MS-412)
10:40 - 11:35	FTIR (Kritika Narula, DBEB, IIT Delhi)	Physics Committee Room (MS-412)
11:35 - 12:00	Tea Break	Physics Committee Room (MS-412)
12:00 - 13:00	Lab Visit	NRF, Block 6
Lunch Break (Faculty Guest House) (13:00 - 14:30)		



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2nd Day, 5th March 2023 (Sunday)

Time (in hours)	Title	Venue
14:30 - 15:20	PL/Raman (Manoj, Department of Physics, IIT Delhi)	Physics Committee Room (MS-412)
15:20 - 16:10	AFM (Amish, Department of Physics, IIT Delhi)	Physics Committee Room (MS-412)
16:10 - 16:25	MCQ/Feedback	Physics Committee Room (MS-412)
16:25 - 17:00	Concluding Remark	Physics Committee Room (MS-412)
High Tea		