

WORKSHOP SCHEDULE

Time	Lectures	Instructor Details	Laboratory sessions
DAY 1 – (Monday, 17th Feb 2025)			
0830-9000	Registration		
0900-0930	Inauguration		
0930-1000	Tea Break		
1000-1100	Inaugural talk	Dr. Jagannath Nayak Director Chess	-
1100-1200	Quantum Sensors	Prof. Umakant Rapol, Professor, IISER Pune	-
1200-1300	Sensors for space application	Dr. Sam Dayal, Former Director IIST	-
1300-1400	Lunch Break @ Godavari Hostel		
1400-1500	Nanophotonics for Sensors	Prof Shobha Shukla, IIT Bombay	-
1500-1800	Demonstration of FOG and MEMS Sensors by RCI Hyderabad	Scientists from RCI, Hyderabad	Prithvi/Pinaka, Auditorium Building
DAY 2 – (Tuesday, 18th Feb 2025)			
0900-1000	Flexible Sensors	Dr. Dhiman Mallik, IIT Delhi	
1000-1100	Biosensors	Dr. V V R Sai, IIT Madras	
1100-1130	Tea Break		
1130-1330	Introduction to Sensor Interfacing and Data Acquisition - I		Sensor Lab
1300-1400	Lunch Break @ Godavari Hostel		
1430-1730	Hands-on Training Advanced Sensor Lab I	<ul style="list-style-type: none"> • Prof Sangeeta Kale • Prof Suwarna Datar • Dr. Tejashree Bhawe • Dr. Devnath Dhirhe • Dr. Shyamal Mondal • Dr. AVR Murthy 	<ul style="list-style-type: none"> • Fiber Optics/Photonic Sensors • Development of E-nose • Paper-based sensors • Sensors for CBW detection
DAY 3 – (Wednesday, 19th Feb 2025)			
0900-1000	Strained 2D materials for Photonic detectors	Dr Rishi Maiti, IIT Guwahati	
1000-1030	Tea Break		
1030-1300	Sensor interfacing and Data Acquisition - II	Sensor Data Acquisition and processing	Sensor Lab
1300-1400	Lunch Break		
1400-1730	Hands On Training Advanced Sensor Lab II	<ul style="list-style-type: none"> • Prof. Sangeeta Kale • Prof. Suwarna Datar • Dr. Tejashree Bhawe 	<ul style="list-style-type: none"> • Fiber Optics/Photonic Sensors • Development of E-nose

		<ul style="list-style-type: none"> • Dr. Devnath Dhirhe • Dr. Shyamal Mondal • Dr. AVR Murthy 	<ul style="list-style-type: none"> • Paper-based sensors • Sensors for CBW detection
DAY 4 – (Thursday, 20th Feb 2025)			
0900-1000	MEMS Sensors	Dr. M Ravi, Director SITAR	
1000-1030	Tea Break		
1100-1330	Hands-on training on Labview for Sensor Data acquisition and processing	Industry Experts	
1330-1430	Lunch Break@ Godavari Hostel		
1430-1730	Hands On Training Advanced Sensor Lab III	<ul style="list-style-type: none"> • Prof. Sangeeta Kale • Prof. Suwarna Datar • Dr. Tejashree Bhawe • Dr. Devnath Dhirhe • Dr. Shyamal Mondal • Dr. AVR Murthy 	<ul style="list-style-type: none"> • Fiber Optics/Photonic Sensors • Development of E-nose • Paper based sensors • Sensors for CBW detection
DAY 5– (Friday, 21st Feb 2025)			
0930-1330	Mini project		
1330-1430	Lunch Break@ Godavari Hostel		
1430-1530	THz Spectroscopy	Prof. S S Prabhu, TIFR Mumbai	
1530-1630	Valedictory Function		