



**Foundation Training Program on  
“Semiconductor Fabrication & Characterization”**  
Centre for Nano Science and Engineering  
Indian Institute of Science, Bangalore-560012  
Tel: 080-2293 3542 Email: [mota.iisc@gmail.com](mailto:mota.iisc@gmail.com)



जनजातीय कार्य मंत्रालय  
MINISTRY OF  
TRIBAL AFFAIRS

### Program Schedule

09-20 December 2024

Date & Day	Timings	Speaker	Topic
9 <sup>th</sup> Dec 2024, Monday	2:00 pm to 3:00 pm	Prof. Sushobhan Avasthi	Opening Session: Why electronics matters
	3:00 pm to 3:30 pm	Prof. Sushobhan Avasthi	Overview from wafer to system
	3:30 pm to 4:00 pm	Prof. Sushobhan Avasthi	Cleanroom, Safety
	4:00 pm to 4:30 pm	Prof. Sushobhan Avasthi	Wafer, cleaning
	4:30 pm to 5:00 pm	Prof. Sushobhan Avasthi	Doping
	5:00 pm to 5:30 pm	Prof. Vini Gautam	Individual faculty research talk
	5:30 pm to 6:00 pm	Prof. Prosenjit Sen	Individual faculty research talk
10 <sup>th</sup> Dec 2024, Tuesday	2:00 pm to 3:00 pm	Prof. Dhavala Suri	Deposition
	3:00 pm to 4:00 pm	Dr. Vijayaraghavan M	Lithography
	4:00 pm to 5:00 pm	Prof. Gayathri Pillai	Etch
	5:00 pm to 5:30 pm	Prof. Shankar Kumar Selvaraja	Individual faculty research talk
	5:30 pm to 6:00 pm	Prof. Ambarish Ghosh	Individual faculty research talk
11 <sup>th</sup> Dec 2024, Wednesday	2:00 pm to 3:30 pm	Prof. Oves Mohamed Hussein Badami	Introduction to TCAD
	3:30 pm to 4:30 pm	Prof. Gayathri Pillai	Electrical Characterization
	4:30 pm to 5:00 pm	Prof. Sushobhan Avasthi	Individual faculty research talk
	5:00 pm to 5:30 pm	Prof. Dhavala Suri	Individual faculty research talk
12 <sup>th</sup> Dec 2024, Thursday	2:00 pm to 3:00 pm	Prof. Prosenjit Sen	Advanced Packaging
	3:00 pm to 4:00 pm	Dr. Javed G S	Tape out Procedure – Designer
	4:00 pm to 4:30 pm	Prof. Chandan Kumar	Individual faculty research talk
	4:30 pm to 5:30 pm	Dr. Javed G S	Tape out Procedure – Fab
	5:30 pm to 6:00 pm	Prof. Pavan Nukala	Individual faculty research talk
13 <sup>th</sup> Dec 2024, Friday	2:00 pm to 2:30 pm	Prof. Srinivasan Raghavan	Individual faculty research talk
	2:30 pm to 4:30 pm	Ms. Jyoti Saxena	TCAD Device: MOSFET
	4:30 pm to 5:30 pm	Prof. Prosenjit Sen	Altium 1
16 <sup>th</sup> Dec 2024, Monday	2:00 pm to 4:00 pm	Prof. Saurabh Chandorkar	Statistical Process Control: JMP
	4:00 pm to 5:30 pm	Prof. Akshay Singh / Dr. Manvi Verma	COMSOL CVD Reactor
	5:30 pm to 6:00 pm	Prof. Aditya Sadhanala	Individual faculty research talk



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17 <sup>th</sup> Dec 2024, Tuesday	2:00 pm to 3:00 pm	Prof. Pavan Nukala	Microscopy (SEM, TEM)
	3:00 pm to 4:30 pm	Prof. Saurabh Chandorkar	COMSOL MEMS Resonator
	4:30 pm to 5:00 pm	Prof. Gayathri Pillai	Individual faculty research talk
	5:00 pm to 5:30 pm	Prof. Saurabh Chandorkar	Individual faculty research talk
	5:30 pm to 6:00 pm	Prof. Manoj Varma	Individual faculty research talk
18 <sup>th</sup> Dec 2024, Wednesday	2:00 pm to 3:00 pm	Prof. Shankar Kumar Selvaraja	Photonics Integration
	3:00 pm to 4:00 pm	Prof. Saurabh Chandorkar	Wafer-level MEMS Packaging
	4:00 pm to 5:00 pm	Prof. Shankar Kumar Selvaraja	Advanced CMOS Integration
	5:00 pm to 5:30 pm	Prof. Supradeepa V R	Individual faculty research talk
	5:30 pm to 6:00 pm	Prof. Akshay Naik	Individual faculty research talk
19 <sup>th</sup> Dec 2024, Thursday	2:00 pm to 3:00 pm	Mr. Lohit T	Altium 2
	3:00 pm to 4:00 pm	Mr. Lohit T	Altium 3
	4:00 pm to 5:30 pm	Ms. Aashi Panchal	TCAD Process: S/D with RMG
	5:30 pm to 6:00 pm	Prof. Digbijoy N Nath	Individual faculty research talk
20 <sup>th</sup> Dec 2024, Friday	2:00 pm to 3:30 pm	Mr. Krishnan "Jinny" Shrinivasan	Equipment Design
	3:30 pm to 5:00 pm	Mr. Srikanth Varadharajan	Industry Perspective
	5:00 pm to 6:00 pm	Prof. Sushobhan Avasthi / Prof. Prosenjit Sen	Feedback & Closing Presentation