



राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय

NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Organizes

Series of Five-day Workshop and Training Program

on

Semiconductor Fabrication, Packaging and Testing

1st Batch: 2 - 6 FEBRUARY 2026

2nd Batch: 20 - 24 April 2026

3rd Batch: 15 - 19 June 2026

1 KEY TOPICS

- Foundations of Semiconductor Fabrication
 - Technology and process for semiconductor devices
 - Virtual Fabrication using IntelliSense Software
- Die Preparation and Wire Bonding
 - Hands on training on diamond wafer scriber
 - Hands on training on wire bonder
- IC Packaging and Testing
 - Packaging Fundamentals
 - Hands on session on testing of Semiconductor devices



Only Limited
Seats Available!

Registration Fee
Rs. 1000/-



2 IN-HOUSE FACILITIES

- **Equipments:** Device characterization system (4200A-SCS), Precision diamond scriber, Wire bonder, Signal Oscilloscope, etc.
- **EDA Tools:** Silvaco, Synopsys, Cadence, Hspice, ModelSim, Ansys, Vivado Design Suite, etc.
- **Softwares:** Matlab, LabVIEW, Multisim, Intellisuite, etc



3 ABOUT NIT MEGHALAYA

- An Institute of National Importance
- Dynamic Environment for quality education and Research
- State of the art Library and modern classroom & laboratories
- Interdisciplinary Research and Technology Incubation

4 TARGET PARTICIPANTS

Working in the area of Semiconductor and Microelectronics:

- Faculty and Technical Staff
- Research Scholar

Coordinators

Dr. Pradeep K. Rathore

Dr. Bibhas Manna

Organizing Committee Members

Prof. Anup Dandapat

Dr. Prabir K. Saha

Dr. Shubhankar Majumdar

Dr. Jagritee Talukdar

Registration Link: <https://forms.gle/p8GaHfb6y5EGhPUX7>



Prof. Hardik J. Pandya
Dept. Electronic Systems Engineering
IISc Bangalore



Dr. Roy Paily
Professor, Dept. of ECE
IIT Guwahati



Prof. Jamil Akhtar
Professor (AcSIR) & Chief Scientist
CEERI Pilani



Dr. Sunny Sharma
Asso. Prof., Dept. ECE
IIIT Allahabad



Dr. Shuvam Pawar
Asst. Prof., Dept. of ECE
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Dr. S. V. Jagadeesh Chandra
Asso. Prof., Dept. of ECE
GITAM, Visakhapatnam



Prof. Kulwant Singh
Dean Research and Development
Shri Vishwakarma Skill University



Dr. Wasi Uddin
Head- R&D
Kaynes Semicon



Dr. Sripadaraja
Head - IntelliSense
Software, India



Mr Ranjan Adhikary
Application Engineer
MCube Technologies Pvt. Ltd.



Mr. Deepak Rattan
Field Application Engineer
Keithley (Tektronix)



Mr. Kumar Priyadarshi
Lead Consultant
TechoVedas



Dr. K. Senthilkumar
Asso. Prof., Dept. of Physics
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Dr. S. Majumdar
Asst. Prof., Dept. of ECE
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Dr. Bibhas Manna
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****Note: Final Schedule of the workshop will be prepared based on the availability of the external speakers**

Participants will be provided with accommodation and food in the institute hostels on payment basis