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Registration Form

Early Registration is solicited within 30th January

Salutation: _____

Name: _____

Designation: _____

Department: _____

Institute: _____

Contact no.(M): _____

Email ID: _____

Google form registration link:

<https://forms.gle/14MbtnwQk8uPCUbTA>

Signature of HOD

*Please send this registration form to ngmons26@gmail.com

Reg. fee: Nil.

*No TA DA will be provided.

*For in-house participants, with the Reg. form duly signed by the HOD of their respective department, send to the above email.

Address: Dept. of ECE, NIT, Agartala, Jirania, Tripura-799046

*****Limited seats available**

VENUE:

**Virtual Classroom, Microelectronics and
Nanoelectronics Laboratory I & II, ECE
Department, NIT Agartala**



NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA
Govt. of INDIA
Jirania, Tripura -799046

Five Days Workshop on



**NGMONS
2026**

"Next-Generation Metal Oxide
Nanodevices for Electronic and
Sensing Systems (NGMONS–
2026)"

Sponsored by: SERB - DST

9th to 13th February
2026

Organized by:

**DEPARTMENT OF ELECTRONICS &
COMMUNICATION ENGINEERING**



NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA
Govt. of INDIA
Jirania, Tripura -799046

About NIT Agartala

National Institute of Technology Agartala, a centrally funded Institution is setup to impart quality technical education into various levels of higher learning. It may be mentioned here that the 23rd February 2006 is a Red Letter Day in the history of Tripura Engineering College as well as for the State of Tripura as the Union Cabinet approved the proposal of State Government for conversion of Tripura Engineering College to National Institute of Technology, a fully Central Government funded Institution with Deemed to be University status and would also to become a National Centre of Excellence. The Institute's mission is to help to improve the economic development of the country particularly the North-East states and also the public systems, through pursuit of excellence in technical education, research, consultancy and training.

ECE Department

The Department of ECE was established in 2007 and Shri Manik Bhowmik was the first HOD. Previously this branch was Electronics and Electrical Engineering. Since its inception the Department has grown in multidimensional direction with multidimensional UG & PG teaching aspects. The department offers a wide range of courses which address almost the entire arena covering VLSI, Nano-electronics, Fabrication and Characterization of Quantum Effect Devices, Advanced Microwave Electronics, Non-Linear Control System, Modern era of Communication, to mention a few. The Department aims to create competent Electronic and Communication Engineers to serve the needs of modern advance technology and the nation as a whole.

The Department always updates the entire course curriculum on a regular basis after discussion with academicians from institute of national repute and technologists from various renowned organizations by which our students can compete with the best with respect to knowledge and ability in the business and face the modern challenges of today's Electronics and allied industries and institutions where change is the norm. Among all branches of Engineering Sciences, Electronics and Communication Engineering changes at extreme fast pace, so fast that which is brand new product for today becomes obsolete in the very next day with respect to science and engineering of this branch. Considering all the said aspects, the Department possesses a qualified and experienced team of faculty members to carry out its legacy. The major thrust areas of the department are Nano-Electronics, Microwave, Image Processing, VLSI, Optoelectronics, Control System and Communication Systems. The Department offers PhD courses, full time as well as part time in Nano-electronics, Microwave, VLSI, Image Processing, to name a few. It may be noted that the students of this branch have been placed in various reputed R&D organizations, different eminent companies, in India and abroad.

About Workshop

Virtually all aspects of our lives are touched by semiconductor technology and the integrated circuits that enable our 'smart' and networked world. Design and manufacture of today's complex semiconductor circuits and systems requires many steps and hundreds of engineers, typically located at multiple companies worldwide. Detailed specifications are converted into schematic and then physical designs that may include billions of transistors.

Considerable resources are invested along the design and manufacture path to verify that the product performs as intended. The use of semiconductors is predicted to continue to grow at an increasing rate. This Highly Technical and Educational Workshop aims to bring together the experts with a grounding in the semiconductor technology to a common forum for constructive dialog on practical ideas in theory and modeling of complexity to nudge the study of semiconductors in a fresh direction.

Invited Guests

Dr. P. Chinnamuthu
Associate Professor,
NIT Nagaland.

Dr. Naorem Khelchand Singh
Assistant Professor
NIT Nagaland.

Dr. Koushik Guha
HOD, ECE
NIT Silchar.

Dr. L. Robindro Singh
Associate Professor
NEHU, Shillong.

