ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON

Emerging Nanoscale Semiconductor Technologies: Bridging Innovation to Application

(10th April - 18th April 2025)

Organised by

Electronics & ICT Academy (Hub), NIT Warangal

in association with

E&ICT Academy (Spoke), NIT Raipur, Raipur – 492010, Chhattisgarh

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Sponsored by

Ministry of Electronics and Information Technology (MeitY), GoI

This workshop is a comprehensive one-week program with an aim of empowering participants with the essential skills and knowledge required for the emerging field of semiconductor technologies. The workshop would be significantly useful to the students, research scholars, faculty members and industry personnel for a comprehensive understanding of the theoretical concepts and practical applications of semiconductor technologies and its applications along with insights into the latest advancements in this area.

Major Course Content:

- Fundamentals of Semiconductor Physics and IC Technology.
- Advance CMOS Technology nodes such FinFET, Nanowire etc.
- Non-Classical CMOS Devices and Energy-Efficient Transistors
- Innovations in Flexible and Wearable Electronics
- Advancements in Solar Cell Technologies
- Next-Generation Semiconductor Sensors
- Neuromorphic Devices and Energy-Efficient Computing

Faculty conducting this programme:

The program will be conducted by the faculty members from NIT Raipur; Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the program. Speakers from industries are also expected to deliver as part of the course.

Fee Particulars

Participants need to pay the Registration Fee Online using the following details

Faculty	Rs.750/-
Industry Participants	Rs.2250/-

Online Transfer Details

Account Name: **Electronics & ICT Academy NITW**
Account No: **62423775910**
IFSC: **SBIN0020149**
Bank and Branch: **State Bank of India,** NIT(REC)Warangal

How to apply:

Participants are required to fill the online registration form by clicking on the following link:
https://forms.gle/hFP4FMW77h3yn2pW7

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a preferable maximum number of 50 (fifty). Candidates will be issued satisfactory certificates on successful completion of the course.

Important Dates:

Lastdate(Application)	31.03.2025
Selection List by E-mail	05.04.2025
Duration	10.04.2025 to 18.04.2025

About NIT Warangal:

National Institute of Technology, Warangal, is the first among 17 RECs set up as a joint venture of the Government of India and the state government. Over the years, the college has established itself as a premier Institute imparting technical education of a very high standard, leading to B.Tech degrees in various branches of engineering, M.Tech., and Ph.D. programs in various specializations. All B. Tech and M. Tech programs of NIT Warangal are NBA accredited.

About NIT Raipur

The Institute, located in Raipur, the Capital City of Chhattisgarh State founded in 1956 with two engineering disciplines, has proven to be "avant-grade' in the field of science and technology over past few decades in this region and presently offers 12 undergraduate, 11 Postgraduate (including M.C.A and M.Tech. in Applied Geology) and 18 Ph.D programs. The institute offers facilities for Ph.D. and also under takes R & D activities, provides testing, consultancy and other extension services including continuing education to the industry through the Industry Institute Interaction cell.

The Institute is contributing to the technological, industrial and economical development of the region and the country for last six decades. The Institute has long recognized its role in engineering education, generation and dissemination of useful and relevant technologies in the service of the society.

About NIT Meghalaya

The National Institute of Technology (NIT) Meghalaya is one among the thirty-one NITs in India established under the NIT Act 2007 (Amended 2012) of the Parliament of India as Institutes of National Importance with full funding support from the Ministry of Education (Shiksha Mantralaya), Government of India.

Coordinators

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