



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON Next Generation CMOS-MEMS and VLSI: Innovations and Future Trends (25th July - 03rd August 2025)

Organized by

Electronics & ICT Academy (Hub), NIT Warangal

in association with

E&ICT Academy (Spoke), IIITDM Kurnool, Andhra Pradesh

&

National Institute of Technology Silchar, Assam

Sponsored by

Ministry of Electronics and Information Technology (MeitY), GoI



About FDP

Integration of Complementary Metal Oxide Semiconductor (CMOS) system with micro-electromechanical systems (MEMS) leads to a lower packaging and instrumentation cost. Due to the improvement in reliability, cost and size, MEMS devices have been widely used even in our daily life, e.g., MEMS accelerometers for automobiles airbags, MEMS gyroscopes for electronic stability program (ESP) in automobile braking systems. The objective of the workshop is to get familiar with the CMOS/Nano devices and issues encountered in integration of MEMS into established CMOS technology and the possible solutions.

Major Course Content:

- Advancements in CMOS/Nano Devices
- Integration of CMOS and MEMS
- Fabrication Aspects of CMOS & MEMS
- Design challenges in CMOS and MEMS devices and applications
- Applications of CMOS-MEMS Devices
- Hands on learning of CMOS-MEMS devices and its applications

Experts

The academicians in the concerned field from IITs/NITs/IIITs/CFTIs/ reputed institutes 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

Faculty	Rs.500/-
Industry Participants	Rs.2250/-

Online Transfer Details

Account Name : **Electronics & ICT Academy NITW**

Account No **62423775910**

IFSC : **BIN0020149**

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/xkpSEaoMboL2aega8>

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:

Last date (Application)	19.07.2025
Selection List by E- mail	20.07.2025
Duration	25.07.2025 to 03.08.2025

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 IIITDM Kurnool

Indian Institute of Information Technology Design & Manufacturing, Kurnool (IIITDMK) was announced in 2014 after receiving the assent of President of India to the Institutes of Information Technology Act, 2014. IIITDM Kurnool is fully funded by Ministry of Education. IIITDM Kurnool was accorded the status of Institute of National Importance. The campus was inaugurated by Hon'ble Prime Minister on 20th February 2024. The institute is offering B.Tech in CSE, AI&DS, ECE, ME, M.Tech in 6 specialization in Engineering and Ph.D. IIITDM Kurnool students bagged AIR 29 and 42 in GATE 2024.

About NIT Silchar

National Institute of Technology (NIT) Silchar, an institute of national importance under the NIT Act was established in 1967 as Regional Engineering College (REC) Silchar in Assam, in 2002, it was upgraded to the status of NIT from REC. NIT Silchar is situated on the banks of river Barak and on a sprawling campus spread over 600 acres of land on the outskirts of Silchar. The landscape of NIT Silchar is beautiful with natural lakes and hillocks, surrounded by tea gardens. The climate of Silchar during July is very pleasant with normal temperature around 20-35°C. It has six engineering departments and five non-engineering departments. NIT Silchar reflects many rankings nationally and internationally.

Coordinators

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