ATAL ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

Advances in Semiconductor Technology for Next-Generation Devices
(01 to 06 December 2025)

Coordinator
Dr. T. Pandiyarajan
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Department of Sciences
IIITDM Kurnool,
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Andhra Pradesh, India

Organized by
Department of Sciences
Indian Institute of Information Technology Design and Manufacturing, Kurnool – 518008, A.P., India
(An Institute of National Importance under Ministry of Education, Govt. of India)

Sponsored by

AICTE Training and Learning (ATAL Academy), ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE) Government of India

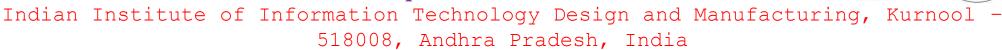# ATAL ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

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Theme

The Six-day online (13 live sessions) FDP on Recent Advances in Semiconductor Technologies is designed to provide a platform for best discussion and networking, as well as explore the new advancements in semiconductor technology in various fields related to industries. The program certainly will yield a new perspective on novel technology in science and engineering, which will be helpful for faculty and researchers in this premier field

Topics

- ❖ Semiconductor Device Modeling and Simulation
- ❖ Emerging Semiconductor Materials
- ❖ Fabrication and Characterization Techniques
- ❖ Neuromorphic Computing Devices
- ❖ Organic and Flexible Semiconductors
- ❖ Photonic devices
- ❖ Nanostructures and Quantum Dots

Who can participate

The faculty members and research scholars & PG scholars of the AICTE approved institutions, centrally funded institution like IIT's, NIT's, IIIT's and R&D labs across India, PG Scholars, and staff of host Institution

Online FDP Methodology

There are 13 invited lecture including online Demo and all the live sessions will be conducted online using Google meet portal of IIITDM - Kurnool. We will provide a secured meeting code of the web platform one day before the commencement of course. All the participants are required to have a Laptop/Smart Phone with good Internet Connectivity to attend the live sessions

Mode

Online

Registration

Registration will be on a first-come, first-served basis. No registration fee will be charged from the participant.

REGISTRATION LINK

Participants need to register for the FDP in the AICTE ATAL portal given below: https://www.aicte-india.org/atal
Create your login ID and password. Search for and apply to the FDP titled "Advances in Semiconductor Technology for Next-Generation Devices" (Application No. 1748257606)

Certificate

An **Online Test** will be conducted at the end of the program using the Moodle platform. The certificates shall be issued to those participants who have attended the program with a minimum of 80% attendance and scored a minimum of 70% marks in the test.

About ATAL Academy

ATAL Programme is an initiative by AICTE which aims at empowering faculty to achieve goals of Higher Education such as access, equity and quality. These programs have been designed to fulfil the need to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines.

About IIITDM Kurnool

Indian Institute of Information Technology Design and Manufacturing, Kurnool (IIITDMK) was announced in 2014 after receiving the assent of President of India to the Institutes of Information Technology Act, 2014, and its subsequent publication in the Gazette of India, Extraordinary, Part- II, Section I, on December 08, 2014. The institute was announced by Government of India to give effect to its obligation under the Andhra Pradesh reorganization act 2014. The IIITDM Kurnool campus is located far away from the bustling life of the metropolis in the mineral-rich mountain trails of the Rayalaseema region of Andhra Pradesh. The campus is situated atop a hill that oversees Kurnool city. The place offers a perfect environment to nurture a peaceful state of mind required to carry out research and other student activities.

Organizing committee

Chief Patron
Hon'ble Prof. B S Murty
Director
Indian Institute of Information Technology Design and Manufacturing, Kurnool
Jagannathagattu Hill, Dinnedevarapadu Village, Kurnool – 518008, A.P., India

Coordinator
Dr. T. Pandiyarajan
Assistant Professor and Head of Department
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IIITDM Kurnool, A.P., India

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IMPORTANT DATES

Last date of online registration	20 November 2025
Selection list by email	25 November 2025
Duration of the FDP	01-06 December 2025