

FACULTY DEVELOPMENT PROGRAMME (HYBRID MODE)

ON

EMERGING TRENDS IN PHOTONICS (10th March-16th March 2025)

Organized by

Electronics & ICT Academy (Hub), NIT Warangal
in association with

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

Sponsored by

Ministry of Electronics and Information Technology (MeitY)
Government of India



Theme

The Six days (Hybrid mode) FDP on Emerging Trends in Photonics is designed to provide a platform for best discussion and networking as well as explore the new advancements Optics & Photonics technology to 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

- ❖ Nanophotonics
- ❖ Photonic Materials
- ❖ Non-linear and Ultrafast optics
- ❖ Quantum Photonics Information Technology
- ❖ Fiber Optics Sensors
- ❖ Biophotonics
- ❖ Optics and Lasers in Medicines

Hands-on Sessions

- Quantum Cryptography concept demonstration
- Quantum Eraser concept demonstration
- Design and optimization of Fiber optic sensor using COMSOL

Hybrid mode FDP Methodology

The program will be conducted in a hybrid mode by the faculty members from IIITDM Kurnool, academicians in the concerned field from IITs/NITs/IIITs/CFTIs are invited to deliver lectures in the program. Speakers from industries are also expected to deliver as part of the course.

Online class: 10-03-2025 to 13-03-2025

Offline class: 15-03-2025 to 16-03-2025

- Working Lunch will be provided during Offline classes.
- Twin shared hostel Accommodation will be provided.

How to apply

Participants are required to fill out the online registration form by clicking on the following link:

<https://forms.gle/qkCMqsM5sTmPay5o9>

Selection Criteria

Selection will be done 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.

Fee Particulars

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

Faculty	: Rs.1000/-
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

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 the President of India to the Institutes of Information Technology Act, 2014. IIITDM Kurnool is fully funded by the 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 specializations in Engineering, and Ph.D. IIITDM Kurnool students bagged AIR 29 and 42 in GATE 2024.

Resource Persons

- ✓ Prof. D. Narayana Rao, University of Hyderabad
- ✓ Prof. B. Karthikeyan, NIT Tiruchirappalli
- ✓ Prof. Sourabh Roy, NIT Warangal
- ✓ Prof. Naveen Kumar, IIITDM Kancheepuram
- ✓ Dr. Saidu Reddy Parne, NIT Goa
- ✓ Dr. Prabu K, NIT Surathkal
- ✓ Dr P Kishore, IIITDM Kurnool
- ✓ Dr T Pandiyarajan, IIITDM Kurnool
- ✓ Dr. Vijayakumar Devarakonda, IIITDM Kurnool

Coordinator

Dr. T. Pandiyarajan
Assistant Professor
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www.iiitk.ac.in



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IMPORTANT DATES

Last date of online registration	05 th March 2025
Selection list by email	07 th March 2025
Duration of the FDP	10 th -16 th March 2025