ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

on

Recent Trends in Artificial Intelligence, Machine Learning and VLSI Design and Development

(28th April 2025 to 07th May 2025)

Organized by

E & ICT Academy, NIT Warangal

In Association with

Dr. B.C. Roy Engineering College, Durgapur

Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI

Preamble:

"Electronics & ICT Academy – Phase II" was set up at NIT Warangal with financial assistance from MeitY, GoI. This academy's role is to offer Faculty Development Programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

About this FDP:

This FDP is devoted to addressing the need to enhance knowledge about Problem-solving techniques with the latest technologies in Advanced AI and ML Techniques, which is being conducted in online mode as a joint venture of **E&ICT Academy**, **National Institute of Technology, Warangal**, and the **Dr. B. C. Roy Engineering College, Durgapur, WB**. Academicians and industry experts from IITs, NITs and Premier Organizations will handle the whole course.

Major Course Contents:

- **AI and Data Science: Fundamentals and Applications**
- **AI-Based Problem-Solving Techniques**
- **Real Life Applications of Machine Learning**
- **Soft Computing Applications**
- **Deep Learning for Problem Solving**
- **Impact of AI on VLSI design**
- **VLSI Circuit with IOT Technologies**
- **Quantum computing and VLSI**
- **Case Study**

Faculty conducting this program:

The program will be conducted by faculty members from NIT Warangal and the Dr. B. C. Roy Engineering College; academicians in the concerned field from IITs/NITs/IIITs/abroad are invited to deliver lectures. Speakers from industries are also expected to provide as part of the course.

Registration Fee Particulars:

Faculty and Research Scholars	**Rs 750/-**
Industry Participants	**Rs2250/-**

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

Online Transfer Details
Account Name: Electronics & ICT Academy NITW **Account No: 62423775910** **IFSC: SBIN0020149**

How to apply:

Participants must register online by clicking the link below. If the link does not open, copy it and paste it into a browser, then press enter.

Link to Apply:

https://forms.gle/aFwfAo1Y8zBRkeUA8

Selection Criteria:

Selection will be made based on a first-come-first-serve basis to a maximum number of 40 (forty). The list of selected participants will be intimated through e-mail. The DD/online payment will be returned if a candidate is not selected. Candidates will be issued satisfactory certificates (both Hard and Soft copy) on successful completion of the course.

Important dates:

last date for submission of the Application	**26.04.2025**
Selection List by Email	**27.04.2025**
Duration	**28.04.2025 to 07.05.2025**
Session Time (Online Mode)	**3 PM to 7 PM**

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 n various branches of engineering, M. Tech and Ph.D. programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About BCREC, Durgapur:

Dr. B.C. Roy Engineering College, established in the year 2000 and known for its rich industrial heritage and entrepreneurial spirit. The BCREC was one of the first private Engineering College in West Bengal. The College is NAAC & NBA Accredited across 5 disciplines. The partnerships with industries and the establishment of an AICTE IDEA Lab provide the students with hands-on experience and opportunities for innovations. The Institute is now conferred autonomous by the University Grants Commission (UGC) & affiliating university, MAKAUT.

Coordinators

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