Hybrid Faculty Development Programme (FDP) on
Application of AI/ML in Smart System: A Multidisciplinary Approach
(5th to 10th May 2025)

Organized by

Electronics and ICT Academy, NIT Warangal

In Association With

Department of Electrical Engineering, GCE, Kalahandi, Bhawanipatna, Odisha

***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 FDPs in standardized courses and emerging areas of Electronics, Information Communication Technologies, training and consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

About the FDP:

The FDP titled **"Application of AI/ML in Smart System: A Multidisciplinary approach"** aims to provide in-depth knowledge of Artificial Intelligence (AI) and Machine Learning (ML) techniques and their role in developing intelligent smart systems across various domains. This program will cover key concepts, advanced methodologies, and real-world applications in fields such as healthcare, IoT, automation, and cybersecurity. Through expert lectures, hands-on sessions, and interactive discussions, participants will gain practical insights into AI/ML-driven innovations, fostering interdisciplinary research and enhancing their teaching and professional skills.

Major Course Content:

- Introduction to AI/ML and Smart Systems
- Machine Learning Techniques for Smart Systems
- Deep Learning and Computer Vision for Smart Systems
- AI/ML in IoT and Smart Cities
- Natural Language Processing (NLP) and AI in Business
- Advanced Topics & Research Directions in AI/ML
- Project Implementation
- Case Studies

Faculty Conducting this Programme:

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

Registration Fee Particulars:

Faculty and Research Scholars	**Rs. 1000/-**
Industry Participants	**Rs. 3000/-**

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**
Bank and Branch: **State Bank of India, NIT Campus, Warangal**

How to apply:

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

https://forms.gle/A7edeRRuh33hwMxt5

Selection Criteria:

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

Important Dates:

Last Date for Registration	**04.05.2025**
Selection List by E-mail	**04.05.2025**
Duration	**05.05.2025 to 10.05.2025**

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. programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About Government College of Engineering, Kalahandi:

Government College of Engineering, Kalahandi (GCEK), established in 2009, is a premier state-government engineering institute located in Bhawanipatna, Odisha. Affiliated with Biju Patnaik University of Technology (BPUT), Rourkela, and approved by AICTE, New Delhi, GCEK is dedicated to excellence in technical education, research, and innovation. The institution offers undergraduate (B.Tech) and postgraduate (M.Tech) programs in multiple engineering disciplines. With a focus on fostering academic rigor and industry-oriented skills, GCEK equips students with knowledge in emerging technologies, including Artificial Intelligence (AI), Machine Learning (ML), and Smart Systems.

Coordinators:

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