



**FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Emerging Trends in Deep Learning and Machine Learning
(20th - 25th Jan 2025) Organised by
Electronics & ICT Academy, NIT Warangal**



In Association With
Department of CSE, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.
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 the FDP:

Emerging trends in Deep Learning and Machine Learning play a key role across various fields, including research, image processing, agriculture, video surveillance, and language processing. This FDP is dedicated to enhancing knowledge of the latest technologies and recent advancements in video and language processing. It is specifically designed for faculty, professionals, researchers, and students eager to explore the rapidly evolving landscapes of Machine Learning (ML) and Deep Learning (DL). The aim of FDP is to provide participants with a comprehensive understanding of cutting-edge advancements, tools, techniques, and real-world applications in both Deep Learning and Machine Learning.

Major Course Content:

- Introduction to Deep Learning and Machine Learning.
- Deep Learning Architectures.
- Transformer Networks and Attention Mechanisms.
- Generative Adversarial Networks (GANs).
- Natural Language processing (NLP).
- NLP Using deep learning.
- Machine learning in Agriculture.
- Deep learning – Research challenges and Applications.
- Transfer Learning: Pre-trained models.
- Federated Learning and its applications.
- Machine Unlearning.

Faculty conducting this programme:

This programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IIITs 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.2500/-
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 & 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/Wg5ayk1XPfxhaWpA8>

Selection Criteria:

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

Important Dates:

Last date (Application):	10.01.2025
Selection List by E- mail:	15.01.2025
Duration:	20.01.2025 to 25.01.2025

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 CBIT:

Chaitanya Bharathi Institute of Technology (A) is one of the premier Engineering Colleges in the self-financing category in the state of Telangana established in the year 1979. The college offers 12 UG and 10 PG Programmes. The Institute has become Autonomous under UGC w.e.f. 2013-14. UG & PG Programmes are accredited by NBA. The Institute is accredited by NAAC with 'A++' grade in 2023 for five years.

Coordinators

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