



**ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Revolutionizing Education with Machine Learning & Generative AI
(3rd February – 13th February 2025)**



**Organized by
Electronics & ICT Academy, NIT Warangal
in association with**

**Department of CSE (AI&ML, DS), Anil Neerukonda Institute of Technology & Sciences, AP
(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:

This FDP is devoted to addressing the need to enhance knowledge about the latest technologies pertaining to Real-World Applications of Machine Learning and DL with Python for real-time and education-related applications. It is being conducted in online mode at the National Institute of Technology, Warangal, and the Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam. The whole course is handled by academicians and industry experts.

Major Course Content:

- Introduction to Artificial Intelligence, ML and Deep Learning, AI in Education and Present Challenges and Future Directions
- Research in Machine Learning, Deep Learning. Regression Models and Different types
- Perceptron's, Multilayer Perceptron's, and Backpropagation
- Support Vector Machine Classification PCA
- CNN models and Different types
- Generative AI, Auto encoders and GenAI with applications to education
- Real Time Applications, LSTM, Bi-LSTM, Attention
- Object Detection and Segmentation

Faculty Conducting this Programme:

The 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. 750/-
Industrial Participants	Rs. 2250/-

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(REC) Warangal

How to apply:

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

<https://forms.gle/NKSy2Tfz4j6fxqv97>

Selection Criteria:

Selection will be done based on a 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 (Application)	1.2.2025
Selection List by E-mail	2.2.2025
Duration	3.2.2025 to 13.2.2025

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 ANITS:

Anil Neerukonda Institute of Technology & Sciences (A), established in 2001 in Visakhapatnam, Andhra Pradesh, is a premier engineering institution affiliated with Andhra University and approved by AICTE. Accredited by NBA and NAAC with an 'A+' grade, ANITS offers undergraduate (B.Tech) and postgraduate (M.Tech) programs across various engineering disciplines, emphasizing innovation and research. The campus features modern facilities, including advanced laboratories and libraries, fostering a conducive learning environment. Owned by Megha Engineering and Infrastructure Limited (MEIL), ANITS boasts a strong placement record, with a dedicated Training and Placement Cell securing opportunities in top organizations.

Coordinators

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