



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

Machine Learning, AI & its Applications

(20th - 29th January, 2025)



Organised by
Electronics & ICT Academy, NIT Warangal

In Association With
**Department of CSE, Karmaveer Bhaurao Patil College of Engineering,
Satara (MH)**

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 Faculty Development Program (FDP) is designed to provide researchers and educators with advanced knowledge and practical skills in Machine Learning (ML) and AI. Covering essential topics like Regression models, Supervised and Unsupervised models and Optimization methods, the FDP emphasizes real-world applications across sectors such as healthcare, finance, and transportation. Hands-on Python sessions will enable participants to tackle contemporary ML challenges and develop impactful solutions. By the program's end, attendees will be equipped to drive innovation using ML and AI techniques.

Major Course Content:

- Introduction to AI & Machine learning
- Feature Representations, Metaheuristics
- Supervised and Unsupervised Learning Methods
- Regression Models and Types
- Dimensionality Reduction, PCA
- Decision Trees, Ensemble Methods
- Naïve Bayesian Classification Method
- Support Vector Machine Classifier
- Neural Networks and MLP
- Optimization Methods
- Challenges in Machine Learning and Its Applications.
- Hands-on Machine learning

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 the online registration form by clicking on the following link:

<https://forms.gle/8dzDpMeoPu9dte5x6>

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.

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 (Application)	18.1.2025
Selection List by E- mail	19.01.2025
Duration & Time	20.01.2025-29.01.2025 10:00am to 12:00 and 2:00 to 4:00

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 KBPCOE, Satara:

Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College of Engineering Satara, established in 1983, has created its unique identity by way of imparting multiple opportunities to students for acquiring quality education; making all round development of their inner traits and making them better citizens. The institute, at present, offers five undergraduate programs and two postgraduate programs. The Computer Science and Engineering Department was established in the year 2000 with the vision to impart the quality education for professional excellence and commitment for sustainable development.

Coordinators

Mr. Manoj N. Rathod, Assistant Professor Department of CSE Karmaveer Bhaurao Patil College of Engineering, Satara Email: manoj.rathod@kbpcoes.edu.in Ph.No: 9850745319	Dr. M. Srinivas, Assistant Professor Dept. of CSE, NIT Warangal Email: mvs@nitw.ac.in Ph. No:8897064421
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Mr. Ganesh D. Dangat Head of CSE Department	Hon. Dr. A.C. Attar Principal, KBPCOE, Satara
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Registration Fee Particulars:

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-