



FACULTY DEVELOPMENT PROGRAMME (FDP) on Python for Data Science (20th to 29th January 2025)

Organized by

Electronics & ICT Academy, NIT Warangal

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

In Association With

National Institute of Technology Kurukshetra, Haryana



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:

The FDP on "Python for Data Science" focuses on a comprehensive training initiative aimed at equipping educators and professionals with essential skills in Python programming and its applications in data analysis and machine learning. Participants gain hands-on experience through practical sessions and real-world datasets, fostering confidence in applying data science techniques in research and teaching. This FDP not only enhances technical proficiency but also bridges the gap between academic curriculum and industry requirements, empowering participants to contribute effectively to data-driven decision-making.

Major Course Contents:

- Fundamentals of Data Science & Intelligent System Design
- Data Preprocessing
- Exploratory Data Analysis
- Data Visualization
- ML Notions using Python
- Supervised, Unsupervised and Semi-Supervised Learning
- DL Notions using Python
- Model Evaluation and Validation using Python
- Deployment of Intelligent Systems
- Case Studies

Faculty conducting this program:

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

Eligibility:

The program is open to the Faculty of Engineering Colleges, MCA Colleges, and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

Registration Fee Particulars:

Faculty and Research Scholars	Rs. 750/-
Industry 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: SBI, NIT Campus (REC Warangal)

How to Apply:

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

Link to Apply:

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

<https://forms.gle/Ja6EKGNowwq5Rerh8>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (fifty). The list of selected participants will be intimated through e-mail. Candidates will be issued satisfactory certificates on successful completion of the course.

Important dates:

last date for submission of the Application	19-01-2025 (11:59 PM)
Selection List by Email	19-01-2025
Duration	20-01-2025 to 29-01-2025

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 NIT Kurukshetra:

NIT Kurukshetra, formerly known as Regional Engineering College, Kurukshetra was founded in 1963. It was conferred upon the NIT status, with Deemed University on June 26, 2002. The Institute offers several courses, in various disciplines of B.Tech, M.Tech., MBA and MCA and Ph.D. Institute also provides excellent facilities for advanced research in the emerging areas of Engineering, Science, and Technology.

Coordinators:

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