



# FACULTY DEVELOPMENT PROGRAMME (FDP) ON **ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING USING PYTHON**

(13<sup>th</sup> – 18<sup>th</sup> December, 2021) Organized by

**Department of ECE, University College of Engineering, Osmania University, Hyderabad**

In association with

**E & ICT Academy, National Institute of Technology, Warangal.**

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

## Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy 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 aims to up-skill and train professionals in Artificial Intelligence and Machine Learning. AI/ML has taken the world by storm as a major field of research and development. Python has surfaced as a dominant language in AI/ML programming because of its simplicity, flexibility and support for open source libraries.

## Major Course Contents:

- Introduction to AI and ML
- Supervised and Unsupervised learning
- Neural Networks, SVM, KNN Decision Trees, Random Forest
- K- means and Fuzzy C-means
- Introduction and coding statistics of Python
- Medical data processing in Python for diagnosis of different diseases

## 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/Central Universities/Scientific Organizations are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

## Eligibility:

The programme is open to 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	2500/-
Industry Participants	7500/-

\*The fee is to be paid either in the form of DDs or online transfer using the following details:

DD Details	Online Transfer Details
Demand Draft in favor of "Electronics & ICT Academy NITW" payable at any bank in Warangal	<b>Account Name:</b> Electronics & ICT Academy NITW <b>Account No:</b> 62423775910 <b>IFSC:</b> SBIN0020149

## Accommodation:

Accommodation will be provided to the selected outside participants on prior request. No TA/DA will be paid for the participants. Working Lunch, Tea & Snacks would be provided during the Training in the campus.

## How to apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through e-mail to [nirmaladevi@osmania.ac.in](mailto:nirmaladevi@osmania.ac.in). Selection will be intimated only through mail.

## Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GoI norms.

## Important dates:

<b>Last date (Application &amp; DD)</b>	<b>12<sup>th</sup> December, 2021</b>
<b>Selection List by E- mail</b>	<b>12<sup>th</sup> December, 2021</b>
<b>Duration</b>	<b>6 Days</b>



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### About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as 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 the B.Tech degrees in various branches of engineering, M.Tech and PhD programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

### About The Department:

The Department of ECE was established in the year 1959 with only two faculty members. It bears the indelible stamp of its founder-head of the department, late Prof.K.Krishnan Nair. In the span of five decades the department has grown to a complement of 16 members of teaching staff and about 500 students at UG and PG, with the staff specialized in various fields and most of them having Doctorates. The broad spectrum of subjects in the area of ECE is fully represented. The presents of research are on VLSI and Embedded System, Digital Signal Processing, Microwave Engineering, Modern Tele Communications

### Vision of the Department:

"To be in the forefront of advances in Electronics and Communication Engineering education and research to guide and motivate young engineers to face future technological challenges".

1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :

DD	Online Transfer
DD No:	Reference No:
Amount:	
Bank :	
Date:	

6. Address for Correspondence:
7. Educational Qualification:
8. Subjects taught so far:
9. No. of refresher courses/workshops attended:
10. Experience (in years):
  - i. Teaching:
  - ii. Research:
  - iii. Industry:
11. Accommodation required: YES /NO
12. Do you belong to SC/ST : SC  ST

**Declaration** The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course

Signature of the Applicant

### SPONSORSHIP CERTIFICATE:

Dr. /Mr. /Ms. .... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “**ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING USING PYTHON**”, organized by **Dept. of ECE, University College of Engineering, Osmania University** in association with **Electronics & ICT Academy** during **13th – 18th December, 2021.**

Signature of Head of the Institution  
(With Seal)

### Address for correspondence:

Post your application form with DD to  
Head, Department of ECE  
University College of Engineering,  
Osmania University, Hyderabad, 500008

*E-mail the scanned copies of filled-in and duly signed application form along with DD to*

**E-Mail-ID:** [nirmaladevi@osmania.ac.in](mailto:nirmaladevi@osmania.ac.in)

*For more details about Electronics & ICT Academy, NIT, Warangal, please visit: <https://nitw.ac.in/eict>*

*For more enquiries please contact:*

### COORDINATORS:

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