



## ONLINE FACULTY DEVELOPMENT PROGRAMME(FDP)

ON

### MACHINE LEARNING FOR IOT APPLICATIONS

(14<sup>th</sup>-22<sup>nd</sup> May, 2021)

Organized by

## Kakatiya Institute of Technology & Science (Autonomous), Warangal

In association with

### E & ICT Academy, NIT 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(FDPs) in standardized courses and emerging areas of Electronics, Information Communication Technologies, training and consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

This FDP is devoted to address the need to enhance the knowledge about the latest development pertaining to **Machine Learning for IOT Applications** is being conducted at **National Institute of Technology, Warangal**. The whole course is handled by academicians and industry experts.

#### Major Course Contents:

- Introduction of ML and IoT
- Classification and Clustering, Principal Component Analysis, Neural Networks
- Learning Automata and Markov Decision Process
- Fuzzy-Neuro system
- Deep Learning Models
- Machine learning with Python
- IoT architecture and protocol stack
- Python Programming (MQTT, Socket-IoT Protocols)
- Working with AWS cloud to deploy IoT applications
- IoT Data Analytics
- ThingSpeak Internet of Things
- ML and IoT applications in Agriculture, Healthcare and Smart cities.
- Research directions in machine Learning and IoT

#### Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IITs/Abroad are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver 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.

#### How to apply:

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

<https://forms.gle/n5iR8dqG3hYo7rEK9>

#### 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

<b>Online Transfer Details</b>	
Account Name: Electronics & ICT Academy NITW	
Account No: 62423775910	
IFSC: SBIN0020149	

#### Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 100 (hundred).The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD/online payment 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:

Last date for submission of Application	08/05/2021 (11:59 PM)
Selection List by E- mail	10/05/2021 (11:59 PM)
Duration	14/05/2021 to 22/05/2021

#### 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 Ph.D. programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

#### About KITS Warangal:

Kakatiya Institute of Technology & Science is one of the premier institutes in Telangana state is sponsored by Ekasila Educational society, which was established in 1980. The institute is approved by AICTE, New Delhi, permanently affiliated to Kakatiya University, and accredited by NAAC with 'A' grade and is UGC autonomous.. The institute offers UG (B.Tech CIVIL EEE, MECH, ECE and CSE, IT) and PG(M.Tech& MBA) courses.



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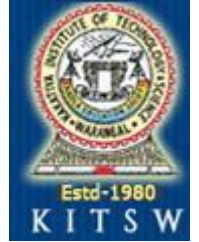
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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Reference No: Bank: Date:

### SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. .... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "**Machine Learning for IOT Applications**", sponsored by Electronics & ICT Academy during 14<sup>th</sup>- 22<sup>nd</sup> May, 2021 at NIT Warangal.

Amount:

6. Address for Correspondence:

Signature of Head of Institution  
(with seal)

7. Educational Qualification:
8. Subjects taught so far:

Interested faculty members, please fill the following Google form:

<https://forms.gle/n5iR8dqG3hYo7rEK9>

9. No. of refresher courses/workshops attended:
10. Experience (in years):  
Teaching: Research: Industry:
11. Do you belong to SC/ST : YES /NO

**Address for correspondence**  
*Post your application form to*

**Dr N.Gayatri,**

**Assistant Professor, Dept. of CSE,**

**Kakatiya Institute of Technology & Science,**

**Warangal- 501015, Telangana, India.**

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

*For more enquiries please contact:*

**Dr. Manjubala Bisi/Dr N. Gayatri**

**Mobile:+91-9502940360 /+91-8977437166**

#### **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.

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**Signature of Applicant**

### **Coordinators**

**Dr N .Gayatri,**  
**Assistant Professor,**  
**Dept. of CSE**  
**KITS, Warangal, Ph: 8977437166**

**Dr. Manjubala Bisi**  
**Assistant Professor,**  
**Dept. of CSE**  
**NIT Warangal, Ph:9502940360**