



**ONLINE FACULTY DEVELOPMENT PROGRAMME (ONLINE FDP)
ON
MACHINE LEARNING FOR IOT SERVICES IN CLOUD**

(22nd November – 3rd December 2021)



**Organized by
E & ICT Academy, NIT Warangal
in association with
Department of CSE, Karunya Institute for Technology and Sciences
(Deemed-to-be-University), Coimbatore, Tamil Nadu
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 Online FDP is devoted to address the need to enhance the knowledge about the latest development pertaining to **Artificial Intelligence (AI), Machine Learning (ML), Internet of Things (IoT) and Cloud Computing** is being conducted at **Department of CSE, KITS, Coimbatore - 641114, Tamil Nadu**. The whole course is handled by academicians and industry experts.

Major Course Contents:

- **IoT Architecture and Protocols**
- **Energy harvesting in IoT**
- **Use Cases and Security Issues**
- **Research Challenges**
- **Cloud Applications in IoT**
- **Programming Tools for IoT**
- **Fog and Edge Computing**
- **Overview of Machine Learning**
- **Supervised and Unsupervised Learning**
- **Classification**
- **Support Vector Machine, Decision Tree and Random Forest**
- **Overfitting and Underfitting**
- **Neural Networks**
- **Regression**
- **Machine Learning APIs in Cloud**
- **IoT Cloud**
- **Case Studies on AI and ML Application**
- **Case Studies on Cloud and IoT Applications**

Faculty conducting this programme:

The programme will be conducted by the faculty members from KITS Coimbatore and NIT Warangal; academicians in the concerned field from IITs/NITs/IIITs/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.

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

How to apply:

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

<https://forms.gle/68drNA5AFBw11pMC8>

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	15/11/2021 (11:59 PM)
Selection List by E- mail	16/11/2021 (11:59 PM)
Duration	22/11/2021 (Monday) to 03/12/2021 (Friday)

About KITS (Deemed-to-be- University), Coimbatore

Karunya Institute of Technology and Sciences was established in 1986 as an Engineering College, and it was granted an autonomous status in 1999 and declared Deemed-to-be University by the University Grants Commission (UGC) in recognition of its academic excellence by the Ministry of Human Resources Development under section 3 of the UGC Act, 1956 vide notification no 9-3-2000-U3 dated 23.6.2004 of the Government of India. Accredited by NAAC.

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.

Coordinator(s):

Dr. Debashreet Das Dept. of Computer Sc. & Engg. KITS University, Coimbatore Email: debashreetdas@karunya.edu Mobile: +91-7205671494	Dr. Sanjaya Kumar Panda Dept. of Computer Sc. & Engg. NIT Warangal Email: sanjaya@nitw.ac.in Mobile: +91-7978685893
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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Reference No: Bank: Date: Amount:
6. Address for Correspondence:
7. Educational Qualification:
8. Subjects taught so far:
9. No. of refresher courses/workshops attended:
10. Experience (in years):Teaching: Research: Industry:
11. Do you belong to SC/ST : YES / NO

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 Online 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 Online FDP on “Machine Learning for IoT Services in Cloud”, sponsored by Electronics & ICT Academy during 22nd November – 3rd December, 2021 at NIT Warangal.

**Signature of Head of Institution
(with seal)**

Address for correspondence

(Post your application form) at

Dr. Sanjaya Kumar Panda
Assistant Professor
Dept. of CSE
National Institute of Technology
Warangal – 506004
Telangana, India