ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Applications of Machine Learning and the Internet of Things in Smart Cities
(12 June – 22 June, 2023)

Organized by
Electronics & ICT Academy, NIT Warangal
in association with
Techno College of Engineering Agartala, Tripura, India
(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'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 developmentfor Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

About the FDP:

Using machine learning and the Internet of Things (IoT), the Faculty Development Program (FDP) will offer academics and professionals from various fields of science and engineering a significant forum to learn about current situations and future difficulties in smart cities. The eminent speakers from businesses and educational institutions will focus on a number of key topics, including government initiatives, smart buildings, smart businesses, smart clean energy, smart communities, smart education, smart health care, smart communication, smart grid for power supply, smart mobility, smart urban planning, and smart waste management.

Major Course Contents:

- Introduction to AI and Machine Learning
- Research in Machine Learning
- Role of machine learning in different applications of smart cities
- Machine learning on deep Web data
- Smart city Implementation using Machine learning techniques
- Architecture and system level design of IoT
- Smart City Architecture: Vision and Challenges
- Hands-on experience for using various micro-controller boards and simulation platforms for deploying real world applications (to be conducted virtually)
- Cloud-Based IoT, IoT Communication Protocols
- Edge Computing for Developing Secure Smart Cities
- Smart city theory, modeling and simulation
- AI powered smart cities services
- Smart healthcare
- Smart emergency management
- Smart mobility and transportation
- Data security and privacy in smart cities
- Smart Transportation
- IoT and Smart X Services
- Advanced applications and data analysis for smart cities
- New habitats in smart cities
- Wireless Connectivity in Smart Cities
- New Business Concerns in Smart Cities
- Other Key areas of Smart Services

programme:

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

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: **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/tZc3VMwGYxnjE4QA8

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 100 (hundred). Research scholars are allowed for each FDP up to maximum of 5% of the strength. The listof 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:

Last date (Application & DD)	5.6.2023
Selection List by E- mail	10.6.2023
Duration	12.6.2023 to 22.6.2023

About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India andthe 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 programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About TCEA:

Techno College of Engineering Agartala (TCEA) formerly known as Techno India Agartala was established on August 2014 by Techno India Group which is known for its world class educational institutes with numerous engineering colleges, Technical Universities, Higher Secondary schools, Business Schools, Medical Colleges etc across the country and overseas. Techno College of Engineering Agartala is a degree engineering college affiliated to Tripura University (TU), A central University of India, approvedby AICTE ,Govt. of India. The institute admits students to B.Tech course through Tripura Board Joint Entrance Examination (TBJEE) ranking conducted all over Tripura. The institute also admits Diploma students to B.Tech course through Techno College of Engineering Agartala Lateral Entrance Test (TCEALET).

1. Name :

2. Designation   :

3. Institution   :

4. Email   :

5. Mobile No   :

6.

Reference No:	
Amount:	
Bank :	
Date:	

7.   Address for Correspondence:

8.   Educational Qualification:

9.   Subjects taught so far:

10. No. of refresher courses/workshops attended:

11. Experience (in years):

     Teaching: Research: Industry:

12. Do you belong to SC/ST :   YES /NO

(If yes, please specify and attach a copy of caste certificate to claim the concession)

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. …………………………………... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"Applications of Machine Learning and the Internet of Things in Smart Cities"**, sponsored by **Electronics & ICT Academy** during **12 June - 22 June, 2023** at Techno College of Engineering Agartala, Tripura, India

Signature of Head of Institution
(with seal)

Address for correspondence
Post your application form
Dr. Joy Lal Sarkar
Associate Professor
Department of CSE
Techno College of Engineering Agartala Campus, Maheshkhola, Anandanagar Tripura West, Pin-799004

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment has to be uploaded in the following online registration link.

Registration Link:

https://forms.gle/tZc3VMwGYxnjE4QA8

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

For more enquiries please contact:
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Coordinators

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