



**FACULTY DEVELOPMENT PROGRAMME (FDP)
ON**

“MACHINE LEARNING & ARTIFICIAL INTELLIGENCE”

2nd – 7th December 2019

Organized by

ELECTRONICS & ICT ACADEMY, NATIONAL INSTITUTE OF TECHNOLOGY, Warangal

at

SPHOORTHY ENGINEERING COLLEGE, Hyderabad

(Sponsored by MeitY, HRD division, Ministry of ICT, Govt. of India)

Preamble: "Electronics & ICT Academy" is setup at NIT, Warangal with financial assistance from MeitY, Ministry CIT, Govt. of India. E&ICT provides specialized training to the faculty members of Engineering, Arts, Commerce & Science and polytechnics colleges by developing state-of-the-art facilities. It is working towards enhancing the domain expertise of interested faculties with special focus on the faculty members of Telangana, Andhra Pradesh, Karnataka, Goa and the Union territories of Southern region. The academy offers 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: Machine Learning is a subset of Artificial Intelligence that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. This faculty development programme (FDP) is devoted to addressing the need to enhance the knowledge about latest technologies pertaining to Machine Learning and Artificial Intelligence. The participant would be able to develop methods for solving problems in diverse computational fields.

Contents:

- Basics of Machine Learning & Artificial Intelligence
- Python Programming
- Linear and Logistic Regression
- Supervised Learning
- Decision Tree, SVM algorithms
- Hierarchical Clustering and K-means algorithm
- Unsupervised Learning
- Artificial Neural Networks
- Hidden Markov Model (HMM) Architecture
- Case Studies of Machine Learning
- CNN and Deep Learning

Resource Persons of the Program:

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

Eligibility:

The program is open to the faculty members of Engineering Colleges, other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa, Pondicherry, Andaman and Nicobar Islands. Industry personnel working in the concerned /allied discipline can also attend.

Venue:

DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING,
SPHOORTHY ENGINEERING COLLEGE, Hyderabad

Registration Fee Particulars:

Faculty and Research Scholars	Rs.2500/-
Industry Participants	Rs.7500/-

*The entire registration fee to be collected in the form of DDs/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	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

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 both hodece@sphoorthyengg.ac.in and ravikumar@nitw.ac.in as selection will be intimated only through mail.

Selection Criteria:

Selection will be done based on first-cum-first-serve basis and the confirmed candidates will be notified immediately. The maximum number of participants will be 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be notified in the institute web site www.sphoorthyengg.ac.in and also will be sent to their personal e-mail ids. In case a candidate is not selected, the demand draft will be sent back. A test will be conducted at the end of the course. Candidates will be issued certificates on successful completion of the course along with grade. Reservations are followed for selecting candidates as per GOI norms.

Important Dates

Duration of the Program : 2nd Dec – 7th Dec 2019
Last Date to submit Application : 27th November 2019
Selection –List Intimation/Display by : 28th November 2019

About NITW & SPOORTHY COLLEGE:

NATIONAL INSTITUTE OF TECHNOLOGY (formerly Regional Engineering College), Warangal is the first among 17 REC's setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institution imparting technical education of a very high standard leading to the B. Tech degrees in various branches of engineering and M. Tech. and Ph.D. programs in various specializations. The Department of Electronics and Communication Engineering offers B.Tech course in ECE, M.Tech courses in Advanced Communication Systems (ACS), VLSI Design and Electronic Instrumentation. The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations

SPHOORTHY ENGINEERING COLLEGE is one of the best engineering Colleges for aspiring engineering students. It is one of the colleges established under THOMA EDUCATIONAL SOCIETY. Sphoorthy Engineering College was established in 2004 with a single - minded aim to provide a perfect platform to students in the field of Engineering, Technology and Management for their academic and overall personality development. The College has a rich tradition of soaring high with academic excellence & overall personal growth of students. This is achieved by providing excellent academic environment and excellent infrastructure with the help of dedicated & highly qualified faculty members with M.Tech. & Ph.D qualification with decades of experience. State of art infrastructure includes labs with high quality equipment, rich collection of Library Books & IEEE, International, Indian journals and amenities.

Coordinators

Dr. N. SURESH
Professor and Head
 Dept. of ECE
 Sphoorthy Engineering College

Dr. J. RAVI KUMAR
Associate Professor
 Dept. of ECE
 NIT, Warangal



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APPLICATION FORM

1. Name of the Applicant :
2. Designation :
3. Institution :
4. E-mail :
5. Mobile No :
6. Category :
7. Payment Mode :
- o Faculty / Research Scholar (Rs.2500/-) Demand Draft No : _____
- o Industry Participants(Rs.7500/-) NEFT No : _____
8. Address for Correspondence : Bank: _____ Date: _____
9. Educational Qualifications with specialization :
10. Subjects taught so far :
11. No. of Refreshment courses /workshops attended:
12. Experience (in Years):
- a. Teaching:
- b. Research:
- c. Industry:
13. Is Accommodation required during training : 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 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. I assure you 100% attendance during this faculty development program.

Place:

Date:

Signature of Applicant

SPONSORSHIP CERTIFICATE

Dr/Mr/Mrs _____ is an employee of our institution/organization since _____ and is hereby sponsored to participate in the FDP on “MACHINE LEARNING & ARTIFICIAL INTELLIGENCE” sponsored by Electronics and ICT Academy during 2nd – 7th December 2019 at SPHOORTHY ENGINEERING COLLEGE, Hyderabad

Place:

Date:

Signature of Principal/ Head of Institution with seal

ADDRESS FOR CORRESPONDANCE

Post your application form along with the DD/NEFT Receipt No to

Dr. N. SURESH,

HOD, Dept. of Electronics and Communications Engineering
Sphoorthy Engineering college, Nagargul (V), Near L. B. Nagar,
Sagar Road, Balapur (M), Ranga Reddy (Dist)
Telangana 501510,

Ph: **9603899915** email: **hodece@sphoorthyengg.ac.in**

for any enquiry contact Mr. P. Ramesh Reddy - 9985202435