



FACULTY DEVELOPMENT PROGRAMME (FDP) ON Machine Learning in Image and Computer Vision Applications

(6th - 11th May 2019)

Organized by
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, Gol. 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.

This faculty development programme (FDP) is devoted to addressing the need to enhance the knowledge about the latest technologies pertaining to **Machine Learning in Image and Computer Vision Applications** is being conducted at **National Institute of Technology, Warangal**. The whole course is handled by academicians and industry experts.

Major Course Contents:

- Introduction about machine learning, Types of Learning algorithms
- Un supervised learning methods, Partitioned and hierarchical clustering methods
- Bayesian learning, decision tree based classification methods
- Dimensionality reduction methods,
- Hands on to implementation of supervised and unsupervised methods
- Support vector machine classification and application
- Neural networks and practical implementations
- Introduction to Deep learning methods and applications
- Medical image data processing and analysis
- Hands on to implementation of medical image data processing and analysis
- Video analytics and computer vision applications
- Object detection using machine learning methods

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 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.2500/-
Faculty of SC/ST Category	Rs.1875/- (SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form)
Industry Participants	Rs.7500/-

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.

SC/ST concession is only for faculty of mentioned states. Research Scholars are not eligible for SC/ST concession.

The entire registration fee is to be collected in the form of DDs/online transfer using the following details:

DD Details	Online Transfer Details
Demand Draft in favor of "E & ICT Academy, NIT Warangal" payable at any bank in Warangal	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

Accommodation:

All the selected participants will be provided **FREE boarding & lodging** in the institute guest house. No TA will be paid for the participants

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 sreenu2521@gmail.com in as 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:

Last date (Application & DD)	15/04/2019
Selection List by E- mail	17/04/2019
Duration	6/05/2019 to 11/05/2019

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.

The Department of Computer Science and Engineering (CSE) offers B.Tech course in CSE, M.Tech courses in CSE, Computer Science and Information Security (CSIS) and Master of Computer Applications (MCA). The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like Microsoft, IBM, Oracle, Accenture, Infosys, TCS, EMC 2 , C-DAC, Motorola, NIC, Sun Micro Systems, SPSS and tie up with IISc in certain areas. Department conducts various sponsored programmes throughout the year



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

Amount:

6. Address for Correspondence:

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **“Machine Learning in Image and Computer Vision Applications”**, sponsored by Electronics & ICT Academy during 6th -11th May, 2019 at NIT Warangal.

Signature of Head of Institution
(with seal)

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

Address for correspondence

Post your application form with DD to

Dr. M. Srinivas,
Assistant Professor,
Dept. of CSE,
National Institute of Technology
Warangal – 506004
Telangana, India

9. No. of refresher courses/workshops attended:
10. Experience (in years):
Teaching: Research: Industry:

E-mail the scanned copies of filled-in and duly signed application form along with DD to
sreenu2521@gmail.com

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

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

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

For more enquiries please contact:
Dr. M.Srinivas
Mobile: +91 8897064421

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

Coordinators

Dr. M. Srinivas
Dept. of Computer Science
NIT Warangal—506 004
Email: msv@nitw.ac.in