



FACULTY DEVELOPMENT PROGRAMME (FDP) ON MACHINE LEARNING

(12th March – 17th March, 2018)

Jointly Organized by

Dept. of CSE and 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 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 fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects of Machine learning algorithms. Machine Learning describes algorithms for writing computer programs that automatically improve their performance with experience. In recent years, we have witnessed a rapid development in machine learning methodologies and algorithms which are having a significant impact on modern world and the way we solve and optimize solutions to real world problems. Machine learning is the buzz word among industries and academia in India and the world since it can optimize the applications in which it is used. It is used in the applications of Financial forecasting, search engines, Image Recognition, Natural Language processing, medical diagnosis, recommendation systems, Classification and prediction for various systems. Due to the advent of new technologies, new algorithms are proposed which include complex mathematical operations on deep learning and big data.

Major Course Contents:

- Introduction to Machine Learning
- Decision Tree Learning
- Artificial Neural Networks
- Bayesian Learning
- Deep Learning
- Instance-Based Learning
- Regression Techniques
- Kernel Methods
- Radial Basis Function Networks,
- Support Vector Machines
- Genetic Algorithms
- Reinforcement Learning
- Machine Learning Applications

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from 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 from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 2500/-
Faculty of SC/ST Category from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 1250/- (SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form)
Industry Participants	Rs. 7500/-
Participants from other states	Rs. 8500/-

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 "Director, NIT Warangal" payable at any bank in Warangal	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

Eligibility:

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

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 sqs@nitw.ac.in as selection will be intimated only through email.

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 certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date (Application & DD)	23/02/2018
Selection List by E- mail	23/02/2018
Duration	12th March – 17 th March 2018

About NIT Warangal & Department:

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 & Information Security (IS) 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, Infosys, TCS, EMC², 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. DDNo: 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**”, sponsored by Electronics & ICT Academy during 12th March – 17th March, 2018at NIT Warangal.

Amount:

6. Address forCorrespondence:

Signature of Head of Institution
(with seal)

7. Educational Qualification:

8. Subjects taught sofar:

Address for correspondence
Post your application form with DD to

9. No. of refresher courses/workshopsattended:

10. Experience (inyears):

Teaching: Research: Industry:

**Dr. S. G. Sanjeevi,
Professor,
Dept. of CSE,
National Institute of Technology
Warangal – 506004
Telangana, India**

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)

*E-mail the scanned copies of filled-in and duly signed application form along with DD to sgs@nitw.ac.in, sgsanjeevi108@gmail.com
For more details about Electronics & ICT Academy, NIT, Warangal, please visit: <https://nitw.ac.in/eict>*

*For more enquiries please contact:
Mobile: 9849776330*

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

Coordinator

Dr. S.G.Sanjeevi,

Ph.D(IITB)

Professor

Dept. of Computer Science and Engineering

NIT Warangal

Mobile: 9849776330

sgs@nitw.ac.in, sgsanjeevi108@gmail.com