



FACULTY DEVELOPMENT PROGRAMME (FDP) ON SOFTWARE ENGINEERING AND TESTING METHODOLOGIES

(11th – 16th May, 2018)

**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, 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.

Software engineering is associated with development of software product using well-defined scientific principles, methods and procedures. The outcome of software engineering is an efficient and reliable software product. The need of software engineering arises because of higher rate of change in user requirements and environment on which the software is working. Computer information and control systems have become increasingly embedded and integrated into fabric of the human society. They control our clocks, washing machines, traffic lights, refrigerators, micro ovens, electric power to our homes. It involves the elicitation of system requirements, the specification of the system, its architectural, detailed design, implementation, testing and delivery of the system. Software development being a human intensive process, management and quality control techniques are required to run successful projects and construct quality systems. Good software engineering practices and tools can therefore make a substantial difference, even to the extent they may be driving forces of the project success of today's and tomorrow. This faculty development programme (FDP) is devoted to fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects on pervasive and mobile computing.

Major Course Contents:

- Basics of Software engineering
- Principles of modern software management Software process models and Agile development Understanding Software requirements and planning Software development process
- Software Implementation Standards Software Architectural Design Models
- Serverless, micro-service and domain driven Architectures AGILE model and Methodologies
- Software management practices Automation testing for AGILE methodology
- Defects management techniques and Test Case Development Software testing and Quality Assurance
- Software risk management
- Software configuration management
- Software independent verification and validation

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.

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	Rs. 2500/-
Faculty of SC/ST Category	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/-

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

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 raju@nitw.ac.in, drrajunitw@gmail.com 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)	9/5/2018
Selection List by E- mail	10/5/2018
Duration	11 th – 16 th May, 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, 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, Accenture, 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. DD No: Bank: Date:

Amount:

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “**Software Engineering and Testing Methodologies**”, sponsored by Electronics & ICT Academy during 11th-16th May, 2018 at NIT Warangal.

6. Address for Correspondence:

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. Raju Bhukya,
Assistant Professor
Department of CSE,
National Institute of Technology Warangal,
WARANGAL - 506 004, Telangana State, 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 raju@nitw.ac.in , drrajunitw@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>

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.

For more enquiries please contact:
Mobile: 09700553922, 9700978003
Land line: 0870-2462732

Signature of the Applicant

Coordinator

Dr. Raju Bhukya

Organized by
Electronics & ICT Academy and
Department of Computer Science and Engineering
NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL - 506 004 (Telangana State)