Faculty Development Programme (FDP)
on
SOFTWARE ENGINEERING
(1 - 6 April, 2016)

Electronics & ICT Academy, NIT Warangal

Organized by
National Institute of Technology Goa

Preamble:

"Electronics & ICT Academy" is being set up at NIT Warangal with financial assistance from DeitY, MCIT, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa States and Pudicherry, Andaman & Nicobar islands and Lakshadweep UTs. 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 the application of a systematic, disciplined, quantifiable approach to the development, operation, and maintenance of software; that is, the application of engineering to software. Computer information and control systems have become increasingly embedded and integrated into the fabric of human society. They control our clocks,washing machines,traffic lights, electric power to our homes. It involves the elicitation of the system's requirements, the specification of the system, its architectural and detailed design. The system needs to be verified and validated. Testing techniques and tools, at different levels are needed. 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 that they may be the driving force of the project success of today 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 Software Engineering.

Major Course Contents:

- Software Engineering Fundamentals
- Software Process Models and AGILE development
- Understanding Requirements Management
- Software Project planning and Scheduling
- Estimation for software Projects
- Software Reviews and Risk management
- Quality Assurance in software
- Software Testing Strategies
- Capability maturity model Integration

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Goa and 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.
Eligibility: The programme is open to the teachers of engineering colleges, MCA colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry, and Andaman & Nicobar. Industry personnel working in the concerned/allied discipline can also attend.

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 *dr.reddy@nitgoa.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.nitgoa.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.

About NIT Goa:

The National Institute of Technology Goa (NITGoa) is a premier technical Institute of the region. NIT Goa was established in the year 2010 by an act of parliament (NIT act 2007) and it is declared as "Institute of National Importance". NIT Goa is an autonomous Institute and functioning under the aegis of Ministry of Human Resource Development (MHRD), Govt. of India. The Institute offers Under Graduate and Post Graduate courses in three Engineering Departments: (1) Computer Science and Engineering (2) Electronics and Communication Engineering and (3) Electrical and Electronics Engineering. The Institute also offers   Ph.D in all these engineering departments. Along with that the Institute also offers Ph.D programme in Mechanical Engineering, Physics, Chemistry, Mathematics, Economics and English. The Institute admits students into B.Tech program on the basis of ranks obtained in the Joint Entrance Examination JEE (Mains) and the scheme of Direct Admission to Students Abroad (DASA). The institute has been sincerely attempting to deliver quality education and to achieve excellence in teaching, learning and research with high professional ethics. For M.Tech Programme, the Institute admits students through valid GATE score followed by CCMT (Centralized   Counselling   for M.Tech Admissions)

About NIT Warangal

National Institute of Technology (formerly Regional Engineering College), 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 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 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.

Warangal is known for its rich historical and cultural heritage. It is situated at a distance of 140Km. from Hyderabad. Warangal is well connected by rail and road. National Institute of Technology campus is 2 Km away from Kazipet junction and 12Km away from Warangal station.

FORMAT OF APPLICATION
Faculty Development Programme
on
Software Engineering
(1 – 6 April, 2016)

1. Name : _____
2. Designation : _____
3. Institution : _____
4. email: _____
5. DD No: _____ Bank: _____ Date: / /
6. Address for Correspondence:
   _____
   _____
   _____
7. Educational Qualifications with specialization:
   _____
8. Subjects taught so far:
   _____
9. No. of refresher courses/workshops attended:
   _____
10. Experience (in years)
    Teaching: _____
    Research: _____
    Industry: _____
11. Accommodation required: YES / NO
12. Are you belong to SC/ST: 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.

Place:
Date: /   /   Signature of the applicant

SPONSORSHIP CERTIFICATE

Dr/Mr/Ms. ……………………………………………………………………
…………………………………………………… is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on Software Engineering sponsored by Electronics & ICT Academy during 1 – 6 April, 2016 at Department of Computer Science and Engineering, National Institute of Technology Goa.

Place:

Date: /   /   Signature of Head of Institution
                                                 (with seal)

Registration Fee Particulars:

Faculty members (Rs 2000/- Only) and
Industry participants (Rs 6000/-Only)

The participants need to send a crossed demand draft(DD) drawn in favour of "Director, NIT Goa" and payable at Corporation Bank, Farmagudi, Ponda, Goa.

Accommodation:

All the selected participants will be provided FREE boarding & lodging. No TA will be paid for the participants.

Important dates:

Last date for submission of application: 25.03.2016
Selection-list intimation/display before: 26.03.2016
Spot Registration: 01.04.2016
Duration of Program: 1 - 6 April 2016

Address for Correspondence

Dr. Damodar Reddy Edla

Assistant Professor & Head
Department of Computer Science and Engineering
National Institute of Technology Goa
Farmagudi, Ponda, Goa India - 403401.

Dr. Raju Bhukya

Assistant Professor
Department of Computer Science &Engineering
National Institute of Technology Warangal
WARANGAL - 506 004, Telangana State, India.

Mail the scanned copies of filled-in and duly signed application form with DD to

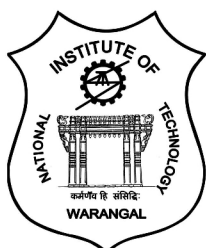dr.reddy@nitgoa.ac.in

For more information visit

http://www.nitgoa.ac.in/

For any enquiry contact:

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Conveners
Dr. Damodar Reddy Edla
Dr. Raju Bhukya

Venue

NATIONAL INSTITUTE OF TECHNOLOGY GOA