



FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Wireless Sensor Networks: Application towards Smart City
(7th – 12th August 2017)
Organized by
National Institute of Technology, Warangal.
Sponsored by Electronics & ICT Academy,
Ministry of Electronics and Information Technology (MeitY), GOI.

Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, Govt. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Pondicherry 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.

The aim of this programme is to deliberate, share knowledge to the participants about the significance of advanced sensor platforms and current research opportunities in this field. Wireless sensor networks allow sensor devices to connect to a network and access network resources (may connect to the internet) without having to connect to a router by Ethernet cable. These networks are used for data acquisition seamlessly and process/aggregate data depending on applications. This FDP serves as a platform to train and educate the research scholars, faculty, and people from industry to interact on cutting-edge technologies in sensor networks and emerging smart applications

Major Course Contents:

- Advanced Wireless Technologies
- Sensor Node Architecture
- Localization in Sensor Networks
- Deployment Algorithms in Smart City
- MAC Layer Protocols in WSN
- Sensor Standards
- Routing Protocols in WSNs
- Mobile and Vehicular Sensor Networks
- IoT Devices and Smart city applications
- Security in Sensor Platforms

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.

Organized at:

The Programme will be coordinated and conducted by Department of Computer Science and Engineering, and Department of Electronics and Communication Engineering, NIT Warangal.

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

Registration Fee Particulars:(Revised from July 1st 2017)

- Faculty members from mentioned states: Rs. 2500
- SC/ST Faculty members from mentioned states: Rs. 1250 (SC/ ST Faculty need to provide the copy of caste certificate to claim the concession)
- Faculty members from other states: Rs. 8500
- Industry participants: Rs. 7500

The participants need to send a crossed demand draft (DD) drawn in favor of "Director, NIT Warangal" and payable at SBH, NIT Warangal branch.

Accommodation:

Accommodation will be provided to the outside participants. Working Lunch, dinner, Tea & Snacks will be provided during the Training in the campus. No TA/DA will be paid for the participants.

Venue: Seminar Hall E&ICT Academy

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 host institute coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through email rashmirsays@gmail.com, as selection will be intimated only through mail. Program duration is 6 (six) working days.

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)	4 th August, 2017
Selection List by E-mail	5 th August, 2017
Duration	7 th – 12 th August, 2017

About the Institute:

National Institute of Technology (formerly Regional Engineering College), Warangal is an Institute of National Importance and fully funded by MHRD, Govt. of India. It offers various programmes B.Tech. In eight branches, PG and M.Tech. Programmes and also Ph.D. programmes. Further, the institute organizes FDPs, Workshops and Conferences on cutting-edge technologies regularly throughout the year. All B.Tech and M.Tech programmes of NIT Warangal are NBA accredited.



APPLICATION FORM

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1. Name :

2. Designation :

3. Institution :

4. Email :

5. DD No: Bank: Date:

6. Address for Correspondence

7. Educational Qualification:

8. Subjects taught so far:

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **“Wireless Sensor Networks: Application towards Smart City”** sponsored by Electronics & ICT Academy during **7th – 12th August, 2017** at NIT Warangal, Telangana State.

Signature of Head of Institution
(With seal)

9. No. of refresher courses/workshops attended:

10. Experience (in years):

Teaching: Research: Industry:

11. Accommodation required: YES / NO

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

(If yes please attach a photo copy of proof of ID)

Address for correspondence

Post your application form with DD to

DR. Rashmi Ranjan Rout

Department of CSE, National Institute of Technology Warangal, Warangal, 506004, Telangana State.

Mobile: 8332969418

E-mail the scanned copies of filled-in and duly signed application form along with DD to
rashmirsays@gmail.com,
sarma@nitw.ac.in

For more details about Electronics & ICT Academy, NITW, please visit:
<http://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.

Signature of the Applicant

Coordinators

DR. NARASIMHASARMA N V S
Department of ECE,
National Institute of Technology
WARANGAL - 506 004.

Dr. Rashmi Ranjan Rout
Department of CSE
National Institute of Technology
WARANGAL - 506 004.