FACULTY DEVELOPMENT PROGRAMME (FDP)
On
SENSOR NETWORKS AND IOT
26th - 31st August, 2019
Jointly Organized by
ELECTRONICS & ICT ACADEMY, NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL – 506 004 (Telangana State)
and
Department of Electronics and Communication Engineering
VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad
(Sponsored by MeitY, HRD division, Ministry of ICT, Govt. of India)

Preamble:

"Electronics & ICT Academy" is set up at NIT Warangal with financial assistance from MeitY, MCIT, GoI. The role of academy is to offer faculty development programs in 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 jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Pondicherry and Goa and Andaman & Nicobar Islands. Under the umbrella of this academy, a course namely "**Sensor Networks and IoT**" is proposed to be held at VNR VJIET, Hyderabad.

The aim of this programme is to introduce the participants to the amazing world of sensor networks and other IoT platforms. IoT is the idea of making devices (namely sensors, actuators and other objects) smarter by linking them to the internet. 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 this emerging area.

Major Course Contents

- Introduction to Wireless sensor Networks and IoT
- Design of sensor network protocols including MAC and routing protocols
- Sensor web and Cloud
- Energy efficient protocol design
- Communication protocols, interconnections, system design and development
- Service Discovery and device to device communication in IoT
- Data management and big data analytics in IoT.
- Security in IoT
- Research issues and case studies in IoT.

Faculty conducting this programme:

The programme will be conducted by the faculty members of **NIT Warangal**. Academicians in the concerned field from **IITs/NITs** are invited to deliver lectures in the program. Speakers from **industrie**s are also expected as part of the course.

Eligibility: The programme is open to the teachers of engineering colleges from Electronics and communication Engineering and other allied disciplines in Andhra Pradesh, Telangana, Karnataka, Pondicherry, Goa and Andaman & Nicobar islands. Research scholars and Industry personnel working in the concerned/allied discipline can also attend.

Pre–Requisites:
Registration Fee Particulars:

Faculty and Research Scholars	Rs. 2500/-
Industry Participants	Rs. 7500/-

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

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:

No TA/DA will be paid to the participants. Accommodation is arranged for outstation participants on PAYMENT Basis at VNRVJIET campus, Working Lunch, Tea & Snacks and Dinner would be provided during the training at VNRVJIET campus, on PAYMENT Basis

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 be handed over at the registration desk on the first day of FDP. It is also mandatory to send scanned application form and demand draft through e-mail to **padmasai_y@vnrvjiet.in** , **chalapathirao_y@vnrvjiet.in** and acknowledgement will be intimated through e-mail.

Selection Criterion:

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 **40 (forty)**. Additionally 10 participants from industry are allowed to participate. 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 awarded for the test. Reservations of seats are followed for selecting candidates as per GOI norms. **Spot registrations with cash payment may be considered as special case.**

Venue: VNR Vignana Jyothi Institute of Engineering &Technology, Hyderabad.

Important dates:

Last date for submission of application: 19/08/2019

Selection list by email: 20/08/2019

Spot registrations also will be accepted based on the number of registrations

About NITW & VNR VJIET

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. programmes in various specializations.

"Valluripalli Nageswara Rao (VNR) Vignana Jyothi Institute of Engineering and Technology"(**VNRVJIET**) was established by "VIGNANA JYOTHI. "Vignana Jyothi"was carved and created in the year 1991 by a dedicated group of Industrialists, Entrepreneurs and Professionals who felt that education is the light that wipes out the darkness of an uncertain future among the youth and were determined to impart quality education to them without profit motive. An Autonomous Institute, approved by AICTE, affiliated to JNTUH was established in the year 1995 and is accredited by NAAC with A^{++} - Grade and also 7 UG & 4PG programmes are accredited by NBA. UGC recognized VNR VJIET as College with Potential for Excellence Status. Being one of the most preferred colleges in T.S., VNRVJIET is well known for its discipline, technical excellence, infrastructure, record student performance, research activities, etc..

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APPLICATION FORM

1. Name:

   Gender: M/F

2. Designation:

3. Institution:

4. Email:

5. DD No/Online Transfer ID: Bank: Date:

6. Address for Correspondence:

7. Mobile No:

8. Educational Qualifications with specialization:

9. Subjects taught so far:

10. No. of refresher courses/workshops attended:

11. Experience (in years)
    Teaching:
    Research:
    Industry:

12. Accommodation required: YES / NO

Paste Passport Photograph here)

Declaration

The information provided is true to the best of my knowledge. 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

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SPONSORSHIP CERTIFICATE

Dr/Mr/Ms. ………………………………………………………………………………………… is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "**SENSOR NETWORKS AND IOT**" sponsored by Electronics & ICT Academy during 26th – 31st August, 2019 at VNR Vignana Jyothi Institute of Engineering & Technology.

Place:

Date: Signature of Head of Institution
                                                                                    (with seal)

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Coordinators

Dr. R. R. Rout
Associate Professor, Dept. of CSE
Electronics & ICT Academy, National Institute of Technology
Warangal (T.S.)

Dr.Y.Chalapathi Rao
Associate Professor, Department of ECE,
VNR VJIET, Hyderabad

For more information visit: http://nitw.ac.in/eict/
For any enquiry contact: 9491127967 & 9000037660