



FACULTY DEVELOPMENT PROGRAMME (FDP) ON WIRELESS AND MOBILE COMMUNICATION

1st – 6th July 2019

Organized by

E & ICT Academy, National Institute of Technology, Warangal

at

VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad

(Sponsored by Ministry of Electronics and Information Technology (MeitY), Govt. of India)



Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, Gol. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programme 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.

About the FDP:

Wireless Communication is by measure, the fastest growing segment of the communication industry. Broadband wireless access is supporting rates in excess of 100 Mbps. Subsequently this led to the development of 3G through Code Division for Multiple Access (CDMA), Orthogonal Frequency Division Multiplexing (OFDM), Multiple Input Multiple Output (MIMO). This course will present an elaborate introduction to the principles and performance of these wireless technologies.

This FDP is devoted to fundamental theory, recent developments and applications addressing the related theoretical and practical aspects on Communication Technologies & Applications

Major Course Contents:

- Probability & Random Process
 - Wireless Standards & Channel Models
 - Performance of Digital Modulation over Wireless Channels
 - Multiple Antennas and Space-Time Communications
 - Multicarrier Modulation & Multiuser systems
 - Software Defined Networks for Communication
 - Massive MIMO & millimeter Wave Communication
 - Resource Allocation in 5G networks
 - Visible Light Communication in 5G
- Hands on with Matlab sessions on every module

Faculty conducting this program: The program 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 program. Speakers from industries are also expected to deliver as part of the course.

Eligibility: The program is open to the faculty of Engineering Colleges, MCA, MBA 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.

Registration Fee Particulars:

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

SC/ST concession is only for faculty of mentioned states. Research Scholars are not eligible for SC/ST concession.

The fee is to be paid either in the form of DDs or online transfer using the following details:

DD Details	Online Transfer Details
Demand Draft in favor of "Electronics & ICT Academy NITW" payable at any bank in Warangal	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

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

Accommodation: No TA/DA will be paid to the participants. Accommodation is arranged for outstation participants on PAYMENT Basis at VNRVJIE campus, Working Lunch, Tea & Snacks and Dinner would be provided during the training at VNRVJIE 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 reach the coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through e-mail to padmasai_y@vnrvjiet.in, santhoshkumar_d@vnrvjiet.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. 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 through 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 satisfactory certificates on successful completion of the course along with grade. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date for submission of application	25.06.2019
Selection-list intimation/display on or before	26.06.2019

About NITW:

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. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About VNR VJIE:

Valluripalli Nageswara Rao (VNR) Vignana Jyothi Institute of Engineering and Technology (VNRVJIE) 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 VJIE as College with Potential for Excellence Status. Being one of the most preferred colleges in T.S., VNRVJIE is well known for its discipline, technical excellence, infrastructure, record student performance, research activities, etc.



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APPLICATION FORM

1. Name: _____

2. Designation: _____

3. Institution: _____

4. Email: _____

5. Ph. No: _____

6. DD No: _____ Date: _____

Bank: _____

7. Address for Correspondence _____

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**

13. Do you belong to SC/ST: **YES/NO**

**(If yes, please specify clearly and attach a photocopy of the
caste certificate)**

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 **WIRELESS AND MOBILE
COMMUNICATION** Sponsored by **Electronics & ICT Academy**
during **1st - 6th July, 2019** at **VNRVJIET, Hyderabad**.

Place:

Date:

Signature of Head of Institution

(With seal)

Address for correspondence

**Dr. Y. Padma Sai,
Coordinator,
FDP on Wireless Mobile Communication
VNR Vignana Jyothi Institute of Engineering
& Technology,
Vignana Jyothi Nagar, Nizampet Rd,
Pragathi Nagar,
Hyderabad, Telangana 500090**

Mail the scanned copies of filled-in and duly signed application

form with DD to padmasai_y@vnrvjiet.in,

santhoshkumar_d@vnrvjiet.in

For more information visit:

<http://nitw.ac.in/eict/>

For any enquiry contact:

Mobile: 9985277402 & 9000037660

Coordinators

**Dr. V. V. Mani
Associate Professor
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NATIONAL INSTITUTE OF TECHNOLOGY**

**Dr. Y. Padma Sai
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