



NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL - 506 004 (Telangana State)
DeitY, HRD division, Ministry of ICT, Govt. of India SPONSORED
FACULTY DEVELOPMENT PROGRAMME(FDP) ON

5G & IoT

(18th – 27th May, 2018)

Organized by

Dept. of ECE and E & ICT Academy, NIT Warangal

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 programmes in standardized courses and emerging areas of Electronics, Information and Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

Personal and device Mobility is major driving force behind the economic, social, and technical developments of a country like India. Pace of innovation and change in 5G and IoT technologies contribute heavily to country's economy in coming decades. Yet, there is too little understanding of what it is, what it can do, and how it will be used. The objective of this FDP is to expand the understanding and to be the first point of learning for all things related to 5G networks, IoT technology & applications through lectures, interactive sessions, demos and hands-on.

Major Course Contents:

- 5G Vision and IoT
- Wireless Access Technologies,
- Smart Antennas and throughput enhancement
- 5G Network Architecture, Offloading and relay communication
- Network slicing - hardware and software, Deployment Use Cases
- 5G NR, NR Waveforms and Numerologies
- 5G KPI & QOS requirements for applications
- Open air interface OAI, Mobile edge computing, Smarter smart cities
- Anatomy of IoT device ; Consumer IoT and Industrial IoT requirements
- Characteristics of IoT infrastructure, IoT protocol stack
- Open source platform for teaching IoT
- Hands-on using Ten silca based IoT products and CC3200

Faculty conducting this programme:

The programme will be conducted by the faculty members from Department of ECE, NIT Warangal; one or two academicians in the concerned field from IIT/IIT and speakers from industries are invited to deliver lectures in the programme.

Registration Fee Particulars:

Faculty and Research Scholars from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 4000/-
Faculty of SC/ST Category from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 2000/- (SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form)
Industry Participants	Rs. 12000/-
Participants from other states	Rs. 12500/-

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

Eligibility:

The programme is open to the teachers of Engineering Colleges, MCA 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.

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 kishore@nitw.ac.in, 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 certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date (Application & DD)	14/05/2018
Selection List by E- mail	16/05/2018
Duration	18th – 27th May, 2018

About NIT Warangal & Department:

National Institute of Technology, Warangal is the first among 17 RECs setup in 1959. The Institute currently has thirteen academic departments and a few advanced research centres in various disciplines of engineering, pure sciences and management, with nearly 100 laboratories established. The institute is well-known for its Research and Development, Industrial consultancy, Continuing education and Training programmes for faculty and industrial personnel. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited. It is located on either side of Hyderabad - Warangal highway at a distance of 3 Kms from Kazipet Railway Station and 12 Kms from Warangal Railway Station. It is located at a distance of 140 Kms from Hyderabad.

The Department of Electronics & Communication Engineering (ECE) offers B.Tech. Course in ECE, M.Tech courses in Advanced Communication Systems, Electronic Instrumentation, and VLSI. The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations.



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SPONSORSHIP CERTIFICATE

1. Name :

2. Designation :

3. Institution :

4. Email :

5. Ph. No :

6. DD No: Bank:

Date: Amount:

7. Address for Correspondence:

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “ **5G & IoT**”, sponsored by Electronics & ICT Academy during 18th to 27th May, 2018 at NIT Warangal.

Signature of Head of Institution
(with seal)

8. Educational Qualification:

9. Subjects taught so far:

Address for correspondence

Post your application form with DD to

10. No. of refresher courses/workshops attended:

11. Experience (in years):

Teaching: Research: Industry:

Sri Ravi K Kodali,
Associate Professor,
Dept. of ECE,
National Institute of Technology
Warangal – 506004
Telangana, India

12. Accommodation required: YES / NO

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

(If yes, please specify and attach a copy of caste certificate to claim the concession)

E-mail the scanned copies of filled-in and duly signed application form along with DD to
kishore@nitw.ac.in

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: 8985230362

Signature of the Applicant

Coordinators

Sri Ravi K Kodali

Sri M V Raghunadh

ECE, NIT, WARANGAL

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**Department of Electronics and Communication Engineering
and Electronics & ICT Academy**

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WARANGAL - 506 004 (Telangana State)**