

**CONTINUING EDUCATION PROGRAMME ON
5G Technologies**

(CEP - 5GT)

Sponsored by TEQIP – III, NITW

14th May – 18th May, 2018

Registration Form

1. Name:

2. Designation:

3. Department:

4. Organization:

5. Address for Correspondence:

City:

State:Mobile:

Email:

6. DD No:.....Bank:.....Date:.....

7. Will you be requiring accommodation?

(Participant's Signature)

Recommended and forwarded by

(Signature of Head of the Department/Institute)

(With date and seal)

**CONTINUING EDUCATION PROGRAMME ON
5G Technologies**

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National Institute of Technology, Warangal



Organized by

Department of Electronics & Communication Engineering
NIT, Warangal – 506004

Sponsored by

TEQIP - III NITW

Program Co-ordinators

M V Raghunadh & S K L V Sai Prakash

Associate Professors

Department of ECE, NIT, Warangal, Telangana State

ABOUT NIT & ECE DEPARTMENT, WARANGAL:

National Institute of Technology, Warangal, formerly known as Regional Engineering College, was established 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 organized in a unique pattern of functioning, Central Library with state of the art facilities, Auditorium, Student Activity Centre, Mega Computer Centre, Indoor Games Complex, Incubation Centre, e-Seminar Halls with required infrastructure, Dispensary with state of art of facilities, etc. The institute is well-known for its Research and Development, Industrial consultancy, Continuing education and Training programmes for teachers and industrial personnel. 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.

PROGRAM OBJECTIVE:

Explosive growth of function rich smart devices coupled with rapid advances in smart networking infrastructure and upsurge of IOT technology have transformed the functional capabilities and service offering of the conventional wireless networks into next generation 5G networks. Present 4G network deployments all over the world are unable to fully match the individual as well as institutional traffic demands due to improper spectral and energy efficiency and also poor resource sharing.

Hence, there is a big research undertaken to develop the key 5G networking technologies that are already being rolled out from the test beds. Therefore it is felt appropriate to conduct this CEP course on 5G technologies to abrust the participants the improtant technical aspects of 5G networking.

PROGRAM CONTENTS:

1. Review of GSM, CDMA, MIMO, OFDMA and LTE.
2. 1G to 5G road map.
3. SU-MIMO, MU-MIMO AND MASSIVE MIMO.
4. IOT & Sensor Networks
5. Green Communications
6. Offloading in 5G Networks
7. Co-operate and relay networks.
8. SDN Network Challenges.

ELIGIBILITY:

The program is designed for faculty who are teaching and working in the area of Digital communications, Mobile Communications and Wireless networks from AICTE approved engineering colleges, research scholars & post-graduate students, and also the practicing engineers from industry and R&D organizations.

REGISTRATION FEE PARTICULARS:

The participants need to send crossed DD drawn in favour of 'TEQIP-III-funds', (A/c No: 37583198741) NIT, Warangal, payable at SBI, NITW branch, Warangal (IFSC: SBIN0020149). They can choose one of the listed registration fee as per their requirement.

Category of Participants	Registration fee (includes accomodation and intersession snacks)	Registration fee (for Internal participants)
Faculty of Educational Institutions	Rs. 2,000/-	Rs. 500/-
Research Scholars & PG students	Rs. 500/-	Rs. 500/-
Participants from industry and R&D organizations	Rs. 5,000/-	--

ACCOMMODATION & BOARDING:

All the selected participants will be provided accommodation and boarding in the institute guest house. **No TA will be paid for the participants.**

IMPORTANT DATES:

Submission of scanned application through e-mail :	05.05.2018
Application with DD should reach on :	08.05.2018
Selection will be informed thro' email up to :	10.05.2018
Intimation of your acceptance :	12.05.2018

ADDRESS FOR CORRESPONDENCE:

M V Raghunadh, Associate Professor, Department of ECE,
National Institute of Technology, WARANGAL – 506004, Telangana, India.
Mail the scanned copy of (1) filled-in and duly signed application form; and (2) DD to raghu@nitw.ac.in

For any enquiry contact: (M)09849799747, (P)0870 – 246 2410