



FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

5G AND IOT

(28th May to 06th June 2018)

Organized by
GITAM University, Hyderabad
in association with

E & ICT Academy, National Institute of Technology, Warangal.
(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)



Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. 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 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 Workshop:

Personal and device Mobility is major driving force behind the economic, social, and technical developments of a country like India. It is projected that globally 22 million jobs will be generated because of 5G technologies. Pace of innovation and change in 5G and IoT technologies contribute heavily to country's economy in the 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, Smart cities
- Impact of 5G in various fields
- 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 Tensilca based IoT products

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.

Eligibility:

The programme is open to faculty of Engineering Colleges, MCA Colleges and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

Registration Fee Particulars:

Faculty and Research Scholars	Rs. 4000/-
Faculty of SC/ST Category	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/-

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 "Director, NIT Warangal" payable at any bank in Warangal	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

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 hodece_hydcampus@gitam.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 satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date (Application & DD)	18/05/2018
Selection List by E- mail	20/05/2018
Duration	26th May to 08th June 2018

About NIT Warangal:

National Institute of Technology, 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 Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About GITAM:

During the past 37 years, GITAM has been committed to excellence in higher education foraying into diversified disciplines of learning. It has steadily evolved into a world class university recognized for the experiential learning it offers, the competent and compassionate faculty, the stellar research laboratories, academic vibrancy and cosmopolitan culture. Dr.M.V.V.S.Murthi, visionary, industrialist, educationist, philanthropist and former parliamentarian has been guiding the destiny of the University since its inception. The university has three campuses - its main campus at Visakhapatnam, off campuses at Hyderabad and Bangalore. Known for its creative dynamism and flexibility, the university offering 106 undergraduates, postgraduate and doctoral programmes in Engineering, Science, International Business and management are blending skill development and value orientation to shape the career of students and develop holistic personality to be privileged members of the civil society. The university also offers several programmes through distance learning to increase access to higher education with emphasis on reaching the unreached.



APPLICATION FORM
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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
- 6.

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "5G and IoT", sponsored by Electronics & ICT Academy during 28th May – 6th June, 2018 at GITAM Hyderabad.

DD	Online Transfer
DD No:	Reference No:
Amount:	
Bank :	
Date:	

Signature of Head of Institution
(with seal)

Address for correspondence

Post your application form with DD to

Prof.K.Manjunathachari,
Professor and Head,
ECE Department
GITAM University,
Hyderabad Campus,
Rudraram (V),
Patancheru(M)
Sanga Reddy (Dt)-502329,
Telangana State, India

7. Address for Correspondence:

8. Educational Qualification:
9. Subjects taught so far:

E-mail the scanned copies of filled-in and duly signed application form along with DD to

hodece_hydcampus@gitam.in

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:
<https://nitw.ac.in/eict>

- 10.No. of refresher courses/workshops attended:
11. Experience (in years):
Teaching: Research: Industry:

For more enquiries please contact:

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

Mobile: 07680900985, 8985230362

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

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

K. Ravi Kishore
Department of ECE
NIT, WARANGAL

K. Manjunathachari
Department of ECE
GITAM University, Hyderabad