

About the College

Geethanjali College of Engineering and Technology (GCET) was established in the year 2005 with the sole objective of providing quality technical education affordable to youth of our nation. The college has excellent infrastructural facilities and modern laboratories. GCET is recognized as an R&D centre by Scientific and Industrial Research Organization (SIRO). The college was conferred “**Autonomous**” status by UGC with effect from Academic Year 2016-17 for a period of six years. The college was accredited by NAAC with Grade “A” in May 2017. It also received ISO 9000:2008 certification.

About ECE Department

The Department of Electronics and Communication Engineering (ECE) was started in the year 2005 with an initial intake of 60 students. Right from its inception it is continuously striving to impart quality education and promoting competitive spirit among students for academic excellence. The intake is enhanced to 240 w.e.f 2013-14 academic year. The department has well equipped laboratories with good infrastructure. The department has highly qualified and experienced faculty. A good number of technical papers are published by the faculty in National/International conferences proceedings/Journals. The Department has signed MoUs’ with various organizations to provide real time training to the students in the field of Advanced Communications, VLSI, Networking and Embedded Systems. The Department was sanctioned a DST project entitled “Design and Development of Multi wavelength Laser Radar” (LIDAR) with an overall budget of Rs.34.58 Lakhs in the AY 2010-11, which was successfully completed in AY 2014-15. One more project entitled “Investigation of Linear Combinations of GNSS Measurements to Mitigate

the Effect of Ionosphere and Multipath” was also sanctioned by DST with a grant of Rs. 21.5 Lakhs and is in progress. A Consultancy project entitled “Development of High Density Electron Emitter for use in Defense” is in progress for M/s VEM Technologies from November 2016. The department was sanctioned by DRDO a major research project entitled “Development of novel carbon nano tube/polymer nano composite materials for EMI applications” in April 2018 with an overall budget of Rs.45.81 Lakhs.

Aim of the programme

This FDP is planned to provide an opportunity to the faculty of Engg. Colleges and Research Scholars to enrich their knowledge in fields Cellular, Mobile and Wireless Communication Systems and Networks. As part of this course, it is envisaged to cover the theoretical concepts in these emerging & ever-growing technological areas along with practical hands-on sessions on various fundamentals and related advances in the field of wireless technology through MATLAB simulations. The FDP will be useful for the faculty whose interest is in teaching courses/ pursuing research in areas such as, but not limited to: Cellular Mobile Communication Networks and allied engineering and technological areas.

Topics to be covered:

- Cellular System, Standards (2G, 3G, 4G) and VoLTE, Model of Transmission Medium, Interference Management, Mobility and Hand over Management, Cell Coverage, Mobile & Cell-site Antennas, Freq. Management and Channel Assignment Schemes
- Indoor and Outdoor Propagation Models, Equalization and Diversity Concepts, Some Wireless Network Standards

- Modeling and Simulation of Next Generation Communication Networks (Cognitive Radio and Wireless LAN Technologies)
- Practical sessions using LTE System Level Simulator and Network Simulator (NS)

Resource Persons:

Resource persons are the experts from Institutions and Industry of repute viz. BITS, NIT, CBIT, CMR, BSNL, DoT, M/s 5G Solutions and M/s Akamai Technologies.

Eligibility:

Faculty and research scholars in technical institutions with UG/PG Programs in Electronics & Communications Engineering, Electrical & Electronics Engineering, Electronics & Instrumentation Engineering, Electronics & Computer Engineering departments are welcome to participate. However depending on the seats’ availability, other interested faculty/research scholars will also be accommodated.

Registration and Fee Particulars:

Registration Fee:

For Faculty members/research scholars :Rs 1000/-

For IEEE members: Rs. 800/-

Participants are requested to register by filling in the registration form and send the same to the Coordinator along with the DD in favor of “**The Principal, Geethanjali College of Engineering and Technology**”, payable at **Hyderabad**. Spot registrations will be entertained based on availability.

Important Dates:

Last date for receipt of registration form: 21/06/2018
Confirmation to the participants latest by: 22/06/2018

**ONE WEEK
Faculty Development Program
on**

**“Cellular Mobile Communication Networks”
June 25-30, 2018**

Registration Form

Name:

Designation:

Organization:

Professional Experience:

Address for Communication:

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Mobile:.....

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Chief Patron

Sri.G.Ravinder Reddy
Chairman and Secretary

Patron

Dr.S.Udaya Kumar
Principal

Chairman

Prof. B. Hari Kumar
HOD-ECE

Advisory Committee

Prof. K.S. Rao, Prof. & Dean Student Affairs
Dr.R.Suryanarayana Raju, Dean, R&D
Dr.S.Suryanarayana, Professor, ECE
Dr. C.V. Narasimhulu, Professor, ECE
Prof.O.V.P.R.Siva Kumar, Professor, ECE
Mr. D.Venkata Rami Reddy, Assoc. Prof.

Convener

Dr. Vijaya Gunturu,
Professor ECE & Dean, Academics

Coordinator

Dr. V. Satya Srinivas
Associate Professor, ECE

Organizing Committee:

1. Ms. S.Jyothirmayee, Assoc. Prof.
2. Ms. M.Sowjanya, Assoc. Prof.
3. Ms. V. Venkata Lakshmi, Asst. Prof.
4. Ms. Y. Nagalakshmi, Asst. Prof.
5. Mr. M. Krishna, Asst. Prof.
6. Ms. J. Bharati, Asst. Prof.
7. Ms. B. Suneetha, Asst. Prof.
8. Ms. T.N. Swetha, Asst. Prof.
9. Ms. V. Sririsha, Asst. Prof.
10. Ms. V. S. Padma Priya, Asst. Prof.

Address for Correspondence:

Coordinator:

Mobile: 9949495157, 9849064125

Email ID: gcetfdpcmcn2018@gmail.com



**ONE WEEK
Faculty Development Program**

**on
“Cellular Mobile Communication Networks”
June 25-30, 2018
Organized by:**

**Department
of
Electronics and Communication Engineering**



GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY
(A UGC Autonomous Institution Accredited by NBA & NAAC,
Permanently Affiliated to JNTUH, ISO 9001:2015 certified)
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Tel No. : +91-9182058180

Visit us: www.geethanjaliinstitutions.com

E-mail: info@gcet.edu.in

Declaration

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the FDP.

Place:

Date: Signature of the Applicant

SPONSORSHIP

Mr./Ms./Mrs./Dr..... is an employee of our institution and is here by sponsored for attending the above FDP.

Place:

Date: Signature of the Principal

Note: Registration form along with scanned copy of DD may be submitted through E-mail: gcetfdpcmcn2018@gmail.com