

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. It also has competent and dedicated faculty. The college is recognized as an R&D centre by Scientific and Industrial Research Organization (SIRO). The college offers Undergraduate programs in engineering branches, namely, CSE, ECE, EEE, MECH and CIVIL with a total intake of 840 students. Three of its Undergraduate programs, namely, CSE, ECE and EEE have been accredited by NBA in July 2015. 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. The College offers postgraduate programs in MBA, M.Tech. programs in Power Electronics in EEE department and Computer Science specialization in CSE department.

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 was enhanced to 240 w.e.f. AY2013-14. The department has well equipped laboratories with good infrastructure. 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 following are the R&D projects in the department:

- “Design and Development of Multi-wavelength Laser Radar” (LIDAR) with an overall budget of Rs.34.58 Lakh in the AY2010-11 (sponsored by DST) which was successfully completed in AY2014-15.
- “Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath” with a grant of Rs. 21.5 Lakhs (sponsored by DST) which is being carried out.
- “Development of Novel carbon nano tube/polymer nano composite materials for EMI applications” sponsored by DRDO in April 2018 with an outlay of Rs.45.81 Lakh.
- “Development of Electron Beam Focusing System for High Power Backward wave Oscillator”, sponsorship of Rs. 9.40 Lac by DRDO in pipeline.
- Consultancy project “Development of specific product for use in Defense with M/s VEM Technologies Pvt. Ltd. from Nov. 2016 is in progress.

Aim of the Programme

This FDP is intended for faculty members of engineering colleges and research scholars to enrich their knowledge in the fields of Electromagnetics. It is also envisaged to cover the theoretical and design concepts, technologies involved in these fields. The basics of electromagnetics will be covered. A hands-on training will be provided for electromagnetic modeling using MATLAB.

Topics to be covered:

- Introduction to Electromagnetics and Coordinate Systems
- Electrostatics and Magnetostatics
- Maxwell’s equations for static and time varying fields.

- Principles of wave propagation and different types of propagation.
- Transmission lines, Stub matching and Smith chart
- EM applications and Opportunities for Research in related areas.
- Hands-on sessions on EM Modeling using MATLAB

Resource Persons:

Eminent personalities with expertise in related fields from industry and prestigious academic institutions are invited.

Eligibility:

Faculty of technical institutions with Electronics and Communications Engineering departments and Research Scholars.

Registration and Fee Particulars:

Registration Fees: Rs. 1000/-

Participants are requested to register by filling in the registration form and send the same to the Coordinator along with the DD in favour of “The Principal, Geethanjali College of Engineering and Technology”, payable at Hyderabad. However, Spot Registrations will be entertained subject to the availability of seats. The total participants will be restricted to 50 on a first come first served basis.

Important dates:

Last date for receipt of registration form: 18-11-2018
Confirmation to the participants by: 20-11- 2018
Timings: 9:00AM to 3:30PM

**One Week
Faculty Development Program
on**

**“Electromagnetics and its Applications
with Hands-on Session using MATLAB”**

26th Nov. to 1st Dec. 2018

Registration Form

Name:

Designation:

Organization:

Professional Experience:

.....

Address for Communication:

.....

Mobile:.....

E-mail:.....

Payment Details:

D.D. No: **Date:**.....

Bank: **Branch:**.....

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./Dr..... is an employee of our institution and is hereby sponsored for attending the above FDP.

Place:

Date: Signature of the Principal

Note: Registration form along with a scanned copy of fees payment may be submitted through E-mail to raju.ceeri@gmail.com

ORGANIZING COMMITTEE

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HOD-ECE

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Ms. A. Sowjanya, Asst. Professor

Mr. B. Ramu, Asst. Professor

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Dr. R.S. Raju

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**One Week
Faculty Development Program
on**

**“Electromagnetics and its Applications with
Hands-on Session using MATLAB”**

26th Nov. to 1st Dec. 2018

in Association with IETE, Hyderabad

*Organized
by*

**Department
of**

Electronics and Communication Engineering



**GEETHANJALI COLLEGE OF ENGINEERING
& TECHNOLOGY**

(Accredited by NBA and UGC Autonomous)

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