

**A
ONE WEEK
Faculty Development Program
On**

**“Fundamentals of Signals, Systems and
Random Variables with Hands-on session
using MATLAB”
5th - 10th June, 2017**

Registration Form

Name:

Designation:

Organization:

Professional Experience:

Address for Communication:

.....

.....

Mobile:.....

E-mail:.....

Payment Details:

DD 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./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 (narasimhulucv@gmail.com) followed by hard copy.

ORGANIZING COMMITTEE

Chief Patron

Sri.G..Ravinder Reddy
Secretary

Patron

Dr.S.Udaya Kumar
Principal

Convener

Dr.Vijaya Gunturu
HOD-ECE

Coordinator

Dr.C.V.Narasimhulu,
Professor.

Advisory Committee

Prof. K.SomasekharaRao, Dean, Student Affairs
Dr.R.Suryanarayana Raju, Dean, R&D
Dr.S.Suryanarayana, Professor
Dr.G.Asha Jyothi, Professor
Prof.O.V.P.R.Shiva Kumar, Professor
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Mr.A.Shankar, Associate Professor
Ms.S.Jyothirmayee, Associate Professor
Mr. R.Odiah, Associate Professor
Mr.U.Appala Raju, Associate Professor
Ms.M.Sowjanya, Associate Professor

Address for Correspondence:

Coordinator:

Dr.C.V.Narasimhulu, Professor.
Mobile: 9866472744

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Random Variables with Hands-on session
using MATLAB”
5th - 10th June, 2017**

**Organized
by
Department
of**

Electronics & Communication Engineering



GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

(Accredited by NBA and UGC Autonomous)

Cheeryal (V), Keesara (M), Medchal. Dist. 501301

Tel No. :040-32449152

Visit us: www.geethanjaliinstitutions.com

E-mail: info@gcet.edu.in

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 accessible and affordable to youth of our nation. The college has excellent infrastructural facilities and modern laboratories. It also has highly competent and dedicated faculty. College has been 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. College also got ISO 9001:2008 certification in 2011. College also offers postgraduate program in MBA with an intake of 60 students and M.Tech programs such as Embedded Systems and VLSI System Design as specializations in department of ECE, Power Electronics specialization in department of EEE and Computer Science specialization in department of CSE.

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 has been sanctioned a DST project titled “Design and Development of Multi wavelength Laser Radar(LIDAR) with overall budget of 34.58 lakhs in the academic year 2010-11 and successfully completed in 2014-15. One more project titled “Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath” is also sanctioned by DST with grant of Rs. 21.5 Lakhs and is being carried out.

Aim of the programme

This FDP is intended to provide opportunity for young faculty members working in engineering colleges and research scholars to enrich their depth and breadth of knowledge in the area of Signals, Systems and Random Variables. The hands-on sessions are designed to improve their programming skills and provide a thorough exposure to MATLAB usage. Signals and Systems is a fundamental course for various undergraduate programs namely ECE, EIE, ECM, ETM and EEE in their 2nd year 1st Semester. This course is a pre-requisite for Analog Communications, Digital Communication, Digital Signal Processing and Digital Image Processing.

Topics to be covered:

- Classifications of signals and operations on signals
- Approximation of a function with complete set of orthogonal functions
- Analysis of Continuous time signals using Fourier series and Fourier transforms
- Classifications of systems
- Impulse response and transfer function of LTI system
- Concept of Convolution, Correlation and their applications
- Analysis of Continuous time systems using Laplace Transforms

- Analysis of Discrete time systems using Z-transforms
- Concepts of joint probability and random variables
- Operations on single and multiple random variables
- Central Limit theorem and its application

Resource Persons:

Eminent personalities with expertise in related fields from NITs', IIIT, OU and reputed Engineering colleges.

Eligibility:

Faculty of technical institutions with Electronics & Communications Engineering, Electrical & Electronics Engineering, Electronics & Instrumentation Engineering, Electronics & Computer Engineering departments and research scholar.

Registration and Fee Particulars:

Registration Fee: 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 favor of “**The Principal, Geethanjali College of Engineering and Technology**”, payable at **Hyderabad**. Registrations can also be done on the day of workshop, if there are any seats left over. Max. No. of participants is being restricted to 50 (First come first served basis)

Important Dates:

Last date for receipt of registration form: 27/05/2017