

“Signal Processing & Communication”

Registration Form

Name:

Year/Semester:

Department:

Institute/Organization:

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Address for Correspondence:

.....

.....

Mobile No.:

Email ID :

Signature
(Applicant)

CHIEF PATRONS

Sri. Ch. Narasimha Reddy
Chairman

Sri. Ch. Bhoopal Reddy
Vice-Chairman

Sri. Ch. Srisailam Reddy
Secretary & Correspondent

PATRON

Dr. A.S. Reddy
Principal, CMREC

CONVENER

Prof. C. Ashok Kumar
HOD, ECE Dept., CMREC

CO-ORDINATOR

Mr. Bhasker Dappuri
Assoc. Prof. ECE Dept.

Organizing Members

- Mrs. N. L. Aravinda, Assoc. Prof.
- Mrs. G. Swathi, Asst. Prof.
- Mr. G. Navabharath, Asst. Prof.

Contact No's:

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A Three Day Adjunct Course
on
“Signal Processing & Communication”

11-13th December 2017

Organized
By

Department of
Electronics & Communication
Engineering



Venue: Block-II,
ECE Seminar Hall, CMREC



CMR ENGINEERING COLLEGE

(Approved by AICTE, Affiliated to JNTUH)
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About CMREC:

CMR Engineering College is the brain child of the clairvoyant Ch. Narasimha Reddy. It is one of the best engineering colleges for aspiring engineering students. CMREC was established in 2010 in 10 Acres and built up area of 4,785.78 Sq.m with a single minded aim to provide a perfect platform to students in the field of engineering, Technology for their academic and overall personality development. The college has a very good academic activity which focuses for the campus placement.

The college is approved by the All India Council for Technical Education, New Delhi and is affiliated to JNT University, Hyderabad. CMREC is offering three under graduate courses in ECE, CSE and MECH and post graduate courses in ECE and CSE.

Today CMREC has grown in leaps and bounds and it is no wonder that CMREC has become cynosure of the eyes of many, hankering for the distinguished center of technological learning. This is achieved by providing excellent academic environment and excellent infrastructure with the help of dedicated & highly qualified faculty members. State of art infrastructure, includes labs with high quality equipment, rich collection of Library Books.

About ECE Department:

Our department was established in 2011 with UG programme B.Tech in ECE with an intake of 120 students, it was increased to 180 in the year 2012 and in the year 2013 the intake was increased to 240 students. PG programme M.Tech in Embedded Systems with an intake of 24 students was introduced in the year 2012.

The department is accredited by NBA in the year 2016-17.

The Department has well equipped laboratories such as e-CAD & VLSI, Simulation, DSP, Microwave, Communication system, Microprocessors & Microcontrollers, Linear and digital IC, Electronic Devices & circuits and Electrical Labs. Advanced software's like, MatLab, Cadence, MASM, KEIL, MULTISIM and XILINX are the pride of the department.

Adjunct Course Theme:

The course will enable the students to establish a solid foundation on signal processing and digital communication. Students able to learn the various signal processing Techniques, Digital communication techniques and its importance in real time applications. This course will also cover different types of Error correction and detection techniques which are the most commonly used in wireless communication and networks.

Topics to be covered:

Part 1: Digital Signal Processing

- Introduction to Digital Signal Processing
- Realization of Digital Filters
- Discrete Fourier series
- Fast Fourier series
- IIR Digital Filters
- FIR Digital Filters
- Multi Rate Signal Processing

Part 2: Digital Communication

- Introduction Digital Communication Systems
- Pulse Code Modulation
- Digital Modulation Techniques
- Information Theory
- Coding Theory
- Spread Spectrum Modulation

Part 3: Simulation

- ASK/FSK/BPSK/QPSK
- QAM
- Error Detection and Correction
- DFT/FFT
- IIR/FIR Filter
- Multi Rate Signal Processing

Resource Persons:

Mr. D. Bhasker, Assoc. Prof.
Mr. B. Papachary, Assoc. Prof.
Mrs. N.L. Aravinda, Assoc. Prof.
Mrs. G. Swathi, Asst. Prof.
Mr. Puvirajan, Asst. Prof.
Mr. G. Navabharath, Asst. Prof.
Ms. Sravya, Asst. Prof.