OBJECTIVE

Signal processing is an enabling technology that encompasses the fundamental theory, applications, algorithms and implementations of processing or transferring information contained in many different physical, symbolic, or abstract formats broadly designated as signals. It uses mathematical, statistical, computational, heuristic, and linguistic representations, formalisms, and techniques for representation, modelling, analysis, synthesis, discovery, recovery, sensing, acquisition, extraction, learning, security, or forensics. It is a field of study that is a combination of both mathematical theory and physical implementation. MATLAB is an excellent tool for simulating systems, and for creating the ever-valuable proof of concept. Signal Processing toolbox provides functions and apps to generate, measure, transform, filter, and visualize signals. The toolbox includes algorithms for resampling, smoothing, and synchronizing signals, designing and analyzing filters and measuring peaks, bandwidth, and distortion. We can use Signal Processing Toolbox to analyze and compare signals in time, frequency, and time-frequency domains, identify patterns and trends, extract features, and develop and validate custom algorithms to gain insight into ours data.

This workshop will serves as a platform for the students, teachers, researchers and R&D professionals, who were working in the areas of signals and systems.

COURSE CONTENTS

- ➢ MATLAB - Introduction
- ➢ Generation and plotting of signals
- ➢ Time and Frequency analysis of signals – DFT,IDFT,FFT,IFFT analysis
- ➢ Analysis of discrete time LTI systems
- ➢ Design of filters using MATLAB
- ➢ Programming with TMS320C54XX DSP processors

FACULTY

Sessions will be handled by the experienced faculties from various reputed institutions and also from KEC.

ELIGIBILITY CRITERIA

Academicians, Part time and Full time Research Scholars, Industry Persons, Undergraduate and Postgraduate students.

BOARDING AND LODGING

Accommodation and boarding arrangements will be provided in the college campus on chargeable basis (200 per day).

REGISTRATION DETAILS (Including Tax)

Category	Registration fee
UG/PG Students	Rs.600.00
Scholars/Faculties/Others	Rs.700.00

The Demand Draft for the registration fee must be drawn in favour of **"IIP Cell Grant in aid A/c",** payable at Perundurai or Erode.

HOW TO APPLY

The applicants should send their applications in the specified format through their Principals/Sponsoring authorities to reach us on or before 06/09/2016.

SCHEDULED DATES

Last Date for Receipt of Applications	05.08.2016
Date of intimation regarding selection	06.09.2016
Confirmation by Participants	07.09.2016

For Further details,
Visit our official website
http://www.kongu.ac.in

KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI, ERODE – 638 052
TAMILNADU

One day National Workshop
on
SIGNAL PROCESSING USING MATLAB
(08/09/2016)

APPLICATION FORM

Name :

Designation :

Organization :

Gender :

Age :

Educational Qualification :

Address for :

Communication

Mobile Number :

E-mail ID :

Experience :

Others (Specify) :

DD Details

DD. No. :

Amount :

Date :

Bank Name

Need Accommodation : YES/NO

Signature :

ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in the year 1984, approved by AICTE New Delhi and affiliated to Anna University, Chennai has completed 31 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 Research programme in Engineering and Applied Science. The college is one among the best self financing engineering colleges imparting high quality of technical education in Tamil Nadu. In Careers 360 Magazine (April 2015) ranked KEC at 50th position among top 100 Best Engineering Research Institutes in India and AAA+ position among top Engineering colleges of Tamil Nadu. KEC is ranked 12th position among top emerging engineering colleges of super excellence in CSR-GHRDC Survey 2014. KEC is rated 82nd position among top private engineering colleges in All India level by The Week Magazine (June 2014 issue) and the college is well known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students.

ABOUT THE DEPARTMENTS

The Electrical and Electronics Engineering department was started in the year of 1994 & the Electronics and Instrumentation Engineering department was started in the year 1998. It occupies a prominent place in the chronicles of Kongu academic history. The specialization of the faculties occupies a wide area in the field of electrical sciences, offering four year UG programme in EEE & EIE and two year PG programmes in Power Electronics & Drives, Applied Electronics and Control & Instrumentation Engineering. The department also carrying out so many consultancy activities like energy auditing to various organizations and industries.

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Co-ordinators

Dr.R.Meenakumari
Professor/EEE

Dr.R.Subasri
Associate Professor/EIE

Mr.M.Suresh
Assistant Professor/EEE

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