IMPORTANT DATES

**Date for the receipt of application:13-Aug-2012
**Intimation of acceptance   :14-Aug-2012

PARTICIPATION

The pre final & final year students from the following departments are eligible to participate in the Workshop,

**Electronics & Communication Engineering
**Electrical & Electronics Engineering
**Electronics & Instrumentation Engineering

RESOURCE PERSON

Mr.Karthick Kumaran A.S.V.,
Technical Lead,
DSP Multimedia Group,
Texas Instruments,
Bangalore.

CONTACT DETAILS

For queries or registration,
please contact
Ms.L.Meenakshi AP-2/ECE,
Co-ordinator,
Department of Electronics and
Communication Engineering,

K.L.N. College of Engineering,
Pottapalayam-630 611,
Sivaganagai District,
TamilNadu

AGENDA

**Introduction to DSP Hardware
**Toolchain-Compiler,Assembler,Linker
**Introduction to Code Composer Studio (CCS) IDE
**Programming DSP - C/Assembly
**Advantages of programming in C
**Programming with Mixed Language - C & Assembly
**Debugging the buggy code in CCS IDE
**Implementation of Signal Processing Alogrithms
**Implementation and verification of Image/Video processing algorithms
**Advantage of DMA & Cache in DSP processors
**Connecting to Hardware,Downloading and testing the code
**Future of DSP
**Real-Time Implementation of Video Application - DEMO

WORKSHOP REQUIREMENTS

**Laptop with decent hardware configuration having Windows XP or Higher.
**Code Composer Studio IDE - Trial version CD (will be provided along with the handout).

COURSE DETAILS

DATE   :17th August 2012

TIMINGS   :10.30 am to 5.00 pm

VENUE   :VLSI lab,ECE Department, K.L.N. College of Engineering,Pottapalayam

REGISTRATION FEE:IETE MEMBER Rs.150, Non-IETE MEMBER Rs.250

TEXAS INSTRUMENTS

K.L.N. COLLEGE OF ENGINEERING

IETE STUDENTS CHAPTER

ONE DAY WORKSHOP

HANDS ON WORKSHOP ON PROGRAMMING REAL TIME DIGITAL SIGNAL PROCESSOR

Convener

Prof.V.Kejalakshmi,HOD/ECE

Co-ordinators

Ms.S.Angelin Grace Stella,ASP-1/ECE
Ms.L.Meenakshi,AP-2/ECE

IETE Co-ordinator

Mr.P.Senthil Babu,ASP-1/ECE

K.L.N. COLLEGE OF ENGINEERING

Pottapalayam-630 611
(11km from Madurai City)
TamilNadu

Phone : 0452-2090971,2090972
Fax   : 0452-2090070

http://www.klnce.edu

ABOUT THE INSTITUTE

K.L.N. College of Engineering is the first self financing co-educational Engineering college in Madurai, started in 1994 by the philanthropists and well wishers in sourashtra community, which is a linguistic minority in TamilNadu, this college is sponsored by the committee of eminent industrialist and academicians led by enthusiastic, educationalist and industrialist Amarar Thiru K.L.N. Krishnan.

The courses offered in K.L.N.C.E. are approved by All India Council for Technical Education, New Delhi. It is an ISO 9001:2008 certified institution and affiliated to Anna University of Technology Madurai. This College offers Seven Under-Graduate Programmes in Engineering and Five Post-Graduate Programmes.

PROFILE OF THE DEPARTMENT

The Department of Electronics and Communication Engineering established in the year 1994 and offers Under Graduate Course in Electronics and Communication Engineering and Post Graduate Course in Communication System. The Core Members of the Faulty have rich academic experience, R&D exposure, are well suited for minimizing the gap between academy and industry.The Department organises National Conference in Advanced Telecommunication Technologies biennial year.

The Department has adequate infrastructure with spacious classrooms, conference halls and eight laboratories with modernised equipments like spectrum analyzer, microwave power meter and development kits like FPGA, GPS, etc. ECE Department is approved as a research centre by Anna University of Technology Madurai.

ABOUT IETE

The Institution of Electronics and Tele-communication Engineers(IETE) is India's leading recognised professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953, it serves more than 60,000 members through various centres, whose number is 63, spread all over India and abroad.

The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recognised IETE as a Scientific and Industrial Research Organization (SIRO) and also notified as an educational Institution of National eminence. The objectives of IETE focus on advancing electro technology.

ABOUT TEXAS INSTRUMENTS

Texas Instruments (TI) is the designer and manufacturer of Analog technologies, Digital Signal Processing (DSP) and Micro-controller (MCU) semiconductors. TI is leader in semi-conductor solutions for digital embedded and applications processing.

ABOUT TMS320DM6437 DSP

DaVinci TMS320DM6437 processor is optimized for cost-sensitive digital media application and include special feature that makes them suitable for automotive vision applications such as lane departure and collision avoidance as well as machine-vision systems, robotics, video security and video telephony. DM6437 processors feature the video-optimised programmable TMS320C64x+ for networked video application.

IETE STUDENTS CHAPTER

One Day Workshop

HANDS ON WORKSHOP ON PROGRAMMING REAL TIME DIGITAL SIGNAL PROCESSOR

REGISTRATION FORM

1.Name:

2.Department:

3.Year:

4.Address for Communication:

5.College Name:

6.E-mail ID:

7.Mobile Number:

Date: Signature

Recommendation from the Head of the Department

This is to certify that

Mr./Ms..

of ....

is permitted to participate in the One Day Workshop on "**PROGRAMMING REAL TIME DIGITAL SIGNAL PROCESSOR**" on 17th August 2012 at K.L.N. College of Engineering, Pottapalayam, Sivagangai District.

Date: Signature