

ORGANIZING COMMITTEE

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Prof .A. Kanagaraj
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Dr.KrishnanVijayaragavan
Principal, JEC.

Dr. E. Kaliappan
Vice Principal,

CONVENOR

Prof. G. Kalarani HoD/ EIE

CO-ORDINATOR:

Mr.R.Bharath Kumar
Assistant Professor / EIE
Jaya Engineering College
Chennai 602024
Mobile: 9941598565
Email: bharathkumar_86@yahoo.co.in

Venue: VI Lab, Main Block, JEC.

Important Dates:

Submission of Application : 16/07/16
Intimation of Selection : 18/07/16
Confirmation by Participants : 20/07/16

OBJECTIVE OF THE PROGRAMME

The MSP430G2553 Experimenters Board from Texas Instruments will be used to illustrate these concepts. This tool is based on MSP430 microcontrollers and has number of on – board components (buttons, LCD, etc). The workshop will include lectures, demonstrations, and hands – on experiments. The participants will be permitted to carry out hands – on experiments on the Experimenters Boarding Groups (two persons per group).

TOPICS:

- MSP430 Introduction
- MSP430G2553 Memory Map
- Introduction to MSP430 Launch pad board
- Working with CCSv5.5 IDE Platform
- C Programming on MSP430 Platform
- Understanding interrupt structure of MSP430G2553
- Interfacing Seven segment, LED, LCD and Buzzer with MSP430G2553 using GPIO
- Interface MSP430G2553 with Internal TIMER , generate PWM to control DC Motor,
- Interface MSP430G2553 with internal ADC and PC using UART

ADDRESS FOR COMMUNICATION

Prof. G. Kalarani HoD / EIE
Jaya Engineering College,
Thiruninravur- 602024.
Mobile: 9444436281
Office:044-26390041
Website: www.jec.ac.in

HANDS ON TRAINING

IN

“Embedded System Design using
TI MSP430 Microcontroller
Development Tools”

(23.07.2016)

CO-ORDINATORS:

Mr.R.Bharath Kumar
Mrs.D.Ramya Priyadarshini

Sponsored by

STARCOM

StarCom Information
Technology Pvt. Ltd, Bangalore

Organized by



Department of Electronics
and Instrumentation
Engineering

Jaya Engineering College
Thiruninravur -602024

ABOUT THE COLLEGE

Jaya Engineering College a premier technical institution approved by AICTE and affiliated to Anna University was established in 1995 with a focus on technological innovation, entrepreneurship and character building in the students. The institution has been established by Jaya Educational Trust, imparting 12 excellent educations through 21 educational institutions offering courses in medicine, paramedical and arts & science besides running many schools, catering the needs of the society. The college management team consists of well experienced and committed Academicians and Administrators.

ABOUT THE DEPARTMENT

The Department of Electronics and Instrumentation Engineering is offering a full time four year B.E. degree programme in Electronics and Instrumentation Engineering. This field of engineering imparts technical knowledge in the areas of Electronics Engineering, Instrumentation, Control Systems, Embedded Systems, VLSI, Neural Networks, Fuzzy Logic and Bio Medical Instrumentation. Department has sound infrastructural facilities including separate laboratories like DSP Lab, PLC Lab, VLSI Lab and LABVIEW Lab.

ABOUT THE WORKSHOP

MSP430 is an ultra low – power 16 bit microcontroller family from Texas Instruments. MSP430 microcontrollers find widespread use in applications such as energy meters, medical applications, and wireless sensor networks. In this workshop, the intention is to expose to the concepts of low power embedded systems.

RESOURCE PERSON

Session will be handled by M Narendra Babu, Senior Application Engineer, StarCom Information Technology Ltd

REGISTRATION

- Participants will be selected on first come first serve basis
Registration fees for participants is Rs.250
- Selected candidates will be intimated through E- mail.
- The Registration Fees includes Tea/Coffee, Lunch, Workshop Kit and Participation Certificate.

WHO CAN ATTEND

1. Students from Engineering Colleges
2. Students from Polytechnic College
3. Industry persons
4. Individuals who want through Knowledge and Hands on Training with certification.

REGISTRATION FORM HANDS ON TRAINING

IN

“Embedded System Design using TI MSP430 Microcontroller Development Tools”

PERSONAL DETAILS

Name :
Department :
Qualification :
Gender :
Name of the Institution :
Address for Communication :
Phone :
Email :
Accommodation required : Y/N

Signature

Mr/Ms ----- is recommended to
attend the ONE DAY HANDS ON TRAINING
ON EMBEDDED SYSTEM DESIGN USING MSP 430
to be conducted in your college.

Signature of Sponsoring Authority
With date and seal