

## REGISTRATION FORM

### ANNA UNIVERSITY REGIONAL CENTRE, COIMBATORE

DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING

#### One Day Training Program on

### MSP430 Ultra Low Power Microcontroller

27<sup>th</sup> FEBRUARY 2013

Name:

Organisation:

Institution:

Address for

Communication:

Mobile No:

E-mail ID:

#### CATEGORY:

Student

Academics

Industrialists

Signature of the Participant

Signature of the Principal or HoD with Seal

## ORGANIZING COMMITTEE

#### Chairman:

Dr.Rajamaniccam L.Sai  
Regional Director  
Anna University  
Regional Centre, Coimbatore  
Coimbatore – 641 047

#### Coordinator:

Dr. V.R.Vijaykumar  
Associate Professor  
Department of Electronics and Communication Engg.,  
Regional Centre, Coimbatore  
Coimbatore – 641 047

#### Co-Coordiators:

1. Mr. S.Saravanakumar, AP/ECE
2. Mr. N.Kumaresan, AP/ECE
3. Mr. S.R.Barkunan, AP/ECE

Anna University, Regional Centre, Coimbatore

## CONTACT ADDRESS

For any queries and to send completed registration forms:

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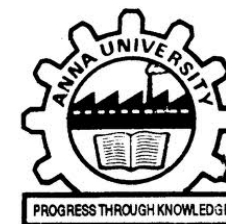
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## One Day Training Programme on

### MSP430 Ultra Low Power Microcontroller

27<sup>th</sup> FEBRUARY 2013



#### ORGANISED BY

IEEE STUDENT BRANCH



DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING

ANNA UNIVERSITY  
REGIONAL CENTRE, COIMBATORE

Mettupalayam Road, Jothipuram  
Coimbatore – 641 047

## ABOUT THE UNIVERSITY

Anna University was established on 4<sup>th</sup> September 1978 as a unitary type of University. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities. Anna University is of the affiliated type and is a member of the Association of Indian Universities, the Association of Commonwealth Universities and Partner of UNESCO International Center for Engineering Education (UICEE). With proven capabilities both in academic and research areas, Anna University was able to impart quality and excellence in Technical Education. Anna University has four regional centres at Coimbatore, Madurai, Tiruchirappalli and Tirunelveli to sphere head the academic activities throughout the state.

## ABOUT THE DEPARTMENT

The Anna University, Regional Center, Coimbatore is functioning at Mettupalayam Road, Jothipuram, Coimbatore. It has nine PG departments and it offers twenty one PG Programmes. The Department of Electronics and Communication Engineering was established in the year 2007. The Department offers M.E degree courses in Applied Electronics, Communication Systems, Embedded System Technologies and VLSI Design both full time and part time mode. The Department is equipped with excellent infrastructure and state-of-the-art equipment to explore the technological challenges in the areas of Electronics, Communication Networks, VLSI Design, Signal Processing, ASIC Design, RF Design and Digital System Design.

## ABOUT MSP430

MSP430 is an ultra low-power 16-bit microcontroller family from Texas Instruments. The MSP430 can be used for low powered embedded devices. The top CPU speed is 25 MHz. It can be throttled back for lower power consumption. The MSP430 also uses six different low-power modes, which can disable unneeded clocks and CPU. This allows the MSP430 to sleep, while its peripherals continue to work without the need for an energy hungry processor. Additionally, the MSP430 is capable of wake-up times below 1 microsecond, allowing the microcontroller to stay in sleep mode longer, minimizing its average current consumption.

## SCOPE OF THE TRAINING

The training program on Texas Instruments MSP430 Microcontrollers is devoted to deeper understanding of MSP430 and MSP430FG4618 microcontrollers architecture, features, peripherals and development tools. It also highlights their applications in industrial sector. The goal of this training program is to bring together researchers and practitioners from academia and industry to focus on TI MSP430 microcontroller and to provide hands on training with the experimenter boards.

## WHO SHOULD ATTEND

The faculties, final year UG students and PG students from Engineering Colleges who have interest in embedded controlling applications.

## RESOURCE PERSONS

Experts from University Departments and Industry.

## TOPICS TO BE COVERED

- **Introduction MSP430.**
- **Introduction to the MSP EXP430F5438 board.**
- **MSP430F5438 Memory map.**
- **Understand the MSP430 TIMER operation.**
- **Understand the MSP430 Analog to Digital converter (ADC).**
- **Embedded Applications using MSP430.**
- **Hands on demo using MSP430.**

## REGISTRATION

Registration for the workshop can be done using the attached form or photo copy of the form. The completed form could be sent by post to the Coordinator. **The Registration is restricted to first 40 participants only. For spot registration contact the coordinator.**

## FEE DETAILS

	IEEE Member	Non-IEEE
Students / Faculty	: ₹ 400/-	₹ 500/-
Industry delegates	: ₹ 600/-	₹ 700/-

*DD should be drawn in favour of*

**"IEEE Student Branch - AUCBE"**

**Payable at Coimbatore, Tamil Nadu, India**

## IMPORTANT DATE

Last Date of Registration: **20<sup>th</sup> FEBRUARY 2013**