

Intended Audience

All undergraduate students and engineers who have basic knowledge of C programming and are interested to explore the field of Embedded Systems. This will also be beneficial for students interested in Robotics

Registration

Fee Structure

	Early Registration (Till 30th July)	Registration On the Spot
IEEE Members	Rs. 700	Rs.900
Non IEEE Members	Rs. 850	Rs. 1050

*Registration fees includes **Kit**, Lunch, Snacks and Tea.

- For registration form and further details visit the event website :

<http://ieee.daiict.ac.in/embedded>

Organizing Committee

Faculty Co-ordinator

Dr. Rahul Dubey ,
Chair, IAS Chapter Gujarat Section.

Student Co-ordinator

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Dates

Day 1: 7th August,2010 Saturday

Day 2: 8th August, 2010 Sunday

Contact Us

Email

ieee@daiict.ac.in

Website

<http://ieee.daiict.ac.in/embedded>

Two Day Workshop on

Embedded Systems

7th August - 8th August, 2010

Organized by



Industry Applications Society Chapter (IAS),
IEEE Gujarat Section.



IEEE

Venue



DA-IICT
Gandhinagar



Objective

The objective of this workshop is to get the participants acquainted with the vast domain of Embedded systems by integrated efforts of experts from Academia as well as Industry.

The workshop will endeavor to cover materials relevant to provide students with necessary knowledge and to ignite curiosity in their minds regarding the said field.

Topics Covered

The topics aimed to be addressed are as below:

- Introduction to Embedded Systems
- Network Embedded Systems
- 8 bit Micro-controller based Embedded Systems
- Programming Atmel AVR Microcontroller
- 32 bit processor based Embedded Systems
- DSP based Embedded Systems
- Operating System on Embedded System
- FPGA based Embedded System

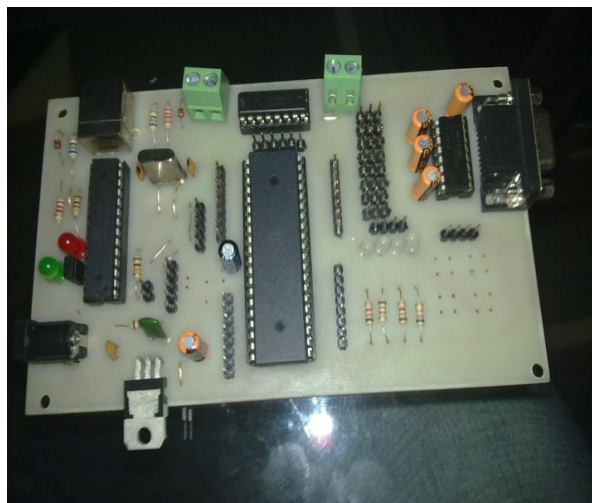
Speakers

- Prof. Dhananjay V Gadre (NSIT, Delhi)
- Mr. Dhruvesh Patel
(Director, Sibridge Technologies, Ahmedabad)
- Dr. Prabhat Ranjan (DA-IICT)
- Dr. Rahul Dubey (DA-IICT)

Limited Seats !!!

Registration will be confirmed on first come first basis .

Microcontroller at a Glance



Lab and Kit

- The two day workshop will provide the participants with 6 hours of Lab session to perform hands on practicals on a well featured AVR Micro-Controller Programming Kit which will be provided to each participant.
- The Programming Kit is designed, so as to provide the participants with a tool which can be used in variety of applications.
- The kit includes a **USB programmable Micro-controller**, ON BOARD MAX 232 IC for USART/UART applications, 8 Sockets for ADC applications and much more.
- Participants will also be provided with a CD which will contain all the lectures, required softwares, required datasheets for practicals, Lab Manual which will be useful during practical session, Kit Manual containing details of the Kit hardware.
- Few applications of Kit will also be shown to the participants during Lab Session. The Programmer Board can be used in varied applications like:
 - ◇ Robotics
 - ◇ GSM and GPS
 - ◇ Temperature Management System
 - ◇ LCD Interfacing
 - ◇ Wireless Communication
 - ◇ Debugging your program using the onboard LEDs and switches.

And much more...