

## DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinators in case I am unable to attend the course.

Place :

Date :

Signature of the Applicant

## SPONSORSHIP CERTIFICATE

Mr/Ms/Dr \_\_\_\_\_

\_\_\_\_\_ is an employee/student of our Institute and is hereby sponsored. He/She will be permitted to attend the course for the entire duration, if selected.

Office Seal

Signature of the  
Sponsoring authority

Place:

Date:

Application form completed in all aspects is to be sent to:

**Mr. Vibin Mammen Vinod**  
Co-ordinator

**Hands on Training on**

**PIC Microcontroller for Embedded Real Time  
Application Development**

Dept of Electronics and Communication Engg,  
School of Communication and Computer Sciences  
Kongu Engineering College

**Perundurai, Erode-638 052, TamilNadu**

## ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in the year 1984, approved by AICTE New Delhi and affiliated to Anna University of Technology, Coimbatore has completed 29 years of dedicated and excellent service in the field of technical education. The college offers 13 UG programme, 19 PG programme and 16 Research programme in Engineering, Management and Applied Sciences. The college is one among the best self financing engineering colleges imparting high quality of technical education in Tamilnadu and is rated 43<sup>rd</sup> in Outlook Express Magazine (July 2014 issue) and 12<sup>th</sup> in Competition Success review (July 2014) among all engineering colleges including IITs and NITs in India. The college is well known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. The college has got NBA accreditation for all UG programmes. It has also got the Best Engineering College award and the Best Principal award.

## ABOUT THE DEPARTMENT

The Electronics and Communication Engineering department occupies a prominent place in the annals of its academic history. The department has been consistently producing illustrious engineering graduates of high calibre who occupy prestigious positions in the academic and industrial fields. The specialization of the faculty includes Telecommunication System Engineering, Computer Networks, Power Electronics, Control Systems, VLSI, Bio-Medical Engineering, Digital Signal Processing, Microwave Systems, Automation, Instrumentation and Control etc. The department has excellent laboratory facilities in the areas like Networking, Microprocessors, Electronics, Communication, VLSI, Digital Signal Processing, Microwave, RF, Multimedia, Fiber Optic Communication, Computer Hardware and Maintenance and Computer Centres with latest software. The department offers four year UG programme in ECE and two year PG programmes in VLSI Design, Communication Systems and Embedded Systems., Computer Hardware and Maintenance and Computer Centre with latest software. The department offers four year UG programme in ECE and two year PG programmes in VLSI Design, Communication Systems and Embedded Systems.



Transform Yourself

**HANDS ON TRAINING**

**on**

**PIC Microcontroller for Embedded Real Time  
Application Development**

**17.03.2017 & 18.03.2017**

**Co-ordinators**

**Mr. Vibin Mammen Vinod**  
Assistant Professor

**Ms. V. Mekala**  
Assistant Professor

**&**

**Ms. M. Manimegalai**  
Assistant Professor

**Organized by**

**Department of Electronics and Communication  
Engineering**

**School of Communication and Computer Sciences**

**KONGU ENGINEERING COLLEGE**

**Perundurai, Erode- 638052, Tamilnadu**

**Mobile : 9003499421, 8220338821, 9600628105**

**Tel : 04294 -226475, 226476**

**Fax : 04294 – 220087**

**E-mail : vibin.ece@kongu.edu**

**mekalav.ece@kongu.edu**

**manimegalai@kongu.ac.in**

**Website : www.kongu.ac.in**

## OBJECTIVE

Microcontrollers act as the brain of any embedded system. The microcontroller plays revolutionary role in embedded industry after the invention of Intel 8051. The steady and progressive research in this field gave the industry more efficient, high performance and low power consumption microcontrollers. The new age microcontroller are getting smarter and richer by including latest communication protocols like USB, I2C, SPI, Ethernet, CAN etc.,

The course aims at explaining the architecture, programming and interfacing concepts of PIC microcontroller through comprehensive lectures and laboratory classes. It is believed that this would help the participants to gain an in-depth knowledge and hands-on- experience in programming and applications of microcontrollers.

These ranges of controllers are capable of integrating with new age communication protocols. They are used for the application that support the connectivity of human interface devices like touch panels etc. the PIC controllers are ideal for low power (nanowatt) and connectivity applications.

## PROGRAMME CONTENTS

- Microcontrollers-An Overview
- Development tools and C Language
- PIC's Peripherals
- Interfacing of Displays and Keypad
- Motor Control(DC, Stepper, Servo)
- Interfacing of A/D and D/A in PIC
- Analog Sensors, Relays
- Interfacing of RTC(Real Time Clock)
- Communication Protocols
- RFID/GSM/GPS/Bluetooth/Wi-Fi/ ZigBee Interfacing
- Application Development using PIC microcontroller

## RESOURCE PERSONS

Sessions will be handled by experts from host institution.

## ELIGIBILITY

Personnel from AICTE approved Engineering Colleges, Industries and Research Scholars.

## BOARDING AND LODGING

Boarding and lodging will be provided to the participants in the college campus on chargeable basis. (Rs 150 per day)

## REGISTRATION

Registration Fee : Rs.1150/-

Demand Draft for the registration fee payable at Perundurai must be drawn in favor of "IIP Cell Grant-in-aid A/C", Kongu Engineering College.

## HOW TO APPLY

The applicants should send their applications in the specified format to reach us on or before 13.03.2017. If selected, they should confirm their participation as per schedule below.

## LOCATION

The college is situated at Perundurai on the National highway (NH 47) about 80 kms from Coimbatore and 20 kms from Erode. It is well connected by road and rail.

## SCHEDULED DATES

Intimation of Selection : 14.03.2017  
Confirmation by Participants : 15.03.2017

## KONGU ENGINEERING COLLEGE

(Autonomous)  
PERUNDURAI ERODE 638052 TAMILNADU

### Hands on Training on PIC Microcontroller for Embedded Real Time Application Development

**17.03.2017 & 18.03.2017**

### APPLICATION FORM

Name :

Department :

Educational  
Qualification :

Age :

Organization :

Designation :

Address for  
Communication:

E-mail ID :

Mobile Number:

Need Accommodation: Yes/No

**Signature of the  
Sponsoring Authority**

**Signature of the  
Applicant**