

REGISTRATION FORM

TWO DAY WORKSHOP on EMBEDDED SYSTEMS

17th & 18th AUGUST, 2017

- 1.Name :
2.Designation :
3.Qualification :
4.Institution/Organization
Address :
Phone :
Email Id :
5.Accommodation required : Yes/No
6.Details of Registration Fee :
Amount :
DD no. :
Date :
Name of the bank :

7.Participant category: Faculty/Research Scholars/
Students

8. Signature of the Head of the Institution/Head of the
Department

Office seal :

Date: Signature of the Applicant

REGISTRATION DETAILS

Registration from participants are to be sent in the prescribed format duly attested by the Head of the Institution/ Head of the Department along with the registration fee in the form of a DD drawn in favor of "The Principal, Sethu Institute of Technology" payable at Madurai on or before 11th August 2017.

Participants can avail the college bus facility for conveyance from Madurai during the period of seminar. However if required accommodation can be arranged in the hostels.

Faculty/Research scholars : Rs.600/-
For UG/PG Students : Rs.500/-

**Last date of receipt of application
along with DD: 11.08.2017**

HOW TO REACH

- From Madurai Railway Station to Kariapatti via Pulloor Route:76 series
- From Mattuthavani bus stand :All the buses plying to Arupukkotai will pass via Kariapatti
- SIT buses will ply from Matuthavani and Periyar Bus stand at 7.45 am

CORRESPONDENCE

The Head of the Department,
Department of Electrical & Electronics Engineering,
Sethu Institute of Technology,
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E-mail: siteefest@gmail.com
Ph:8870666945, 9003493701

TWO DAY WORKSHOP on EMBEDDED SYSTEMS

17th & 18th AUGUST, 2017



Estd.1995

Organized by
**Department of Electrical & Electronics
Engineering**

Convener

Dr.S. Nagalakshmi, HoD/EEE

Faculty Co-ordinators

Ms.J. Jeyashanthi, AP/EEE
Ms.G. Narmadha, AP/EEE

Student Co-ordinators

R. Karthigeyan
K. Mohamed Anvar

SETHU INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)

Accredited with 'A' Grade by NAAC
Approved by all India council for Technical Education, New Delhi &
Permanently Affiliated to Anna University , Chennai
MECH,CSE,ECE Accredited by NBA,New Delhi, Tier-1 Washington
Accord ,EEE & IT Reaccredited byNBA, New Delhi
Approved Research centres for MECH,CSE,ECE,EEE,CIVIL,Physics &
Chemistry by Anna University , Chennai
Pulloor , Kariapatti-626115.
Virudhunagar Dist
website : www.sethu.ac.in

ABOUT THE INSTITUTION

Sethu Institute of Technology is one of the premier institutions in TamilNadu bloomed in 1995. The college is situated in the NH 45 B Madurai-Tuticorin National Highway, in a sprawling area of 135 acres in the outskirts of Madurai city. The college is an ISO 9001:2008 Certified institution and currently offers 9 UG and 5 PG Programmes. It is Accredited with 'A' grade by NAAC and Five of the UG Programmes have been accredited by National Board of Accreditation (NBA), New Delhi. Our Founder Chairman Thiru..S.Mohamed Jaleel, whose sole aim is to impart Quality Technical Education with the latest state-of-art infrastructure.

Er.S.M.Seeni Mohaideen, Chief Executive Officer and Er.S.M.SeeniMohamedAliar Maraikkayar, Joint Chief Executive Officer are young and energetic who are being the driving forces behind the innovative ideas which have fetched numerous credits to the Management.

Our Principal and Deans are the excelling force for providing innovative technical excellence and experimentation in the minds of budding professionals.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering has been blossoming in this great institution since 1998. The department offers M.E. course in Power Electronics and Drives. The department is accredited by National Board of Accreditation (NBA), New Delhi. Our department is approved as Research Centre by Anna University, Chennai since 2011. The department is flourishing day by day by its achievement and there by bringing laurels to the institution. The department has highly dedicated, experienced, young and energetic professionals as Faculty members including 7 Doctorates. Two funded Research Projects from DRDO and DST are ongoing with the sanctioned amount of Rs. 70 Lakhs. The Department excels both in academic and research to attain the Vision.

DEPARTMENT VISION

• To achieve Excellence in Education and Research in the field of Electrical and Electronics Engineering and thereby provide knowledge based contribution for the development of economy and society.

DEPARTMENT MISSION

- Providing comprehensive and value based engineering education to meet intellectual, ethical and career challenges
- Promoting collaboration with academia, industry and research organizations
- Providing state-of-art infrastructure and resources for teaching-learning, research and development activities
- Enriching the skills to enhance employability and entrepreneurship
- Offering services and promoting activities to serve the society and nation

ABOUT THE WORKSHOP

The exciting and challenging world of Electronics has influenced our lives to the deepest levels. All-pervasive embedded systems provide us with appliances that make our lives comfortable, safe and secure. Be it at home, office, factory, school or travel, embedded systems are found all over watching us and helping humans and animals alike, conserving and protecting nature. Workshops Series on Embedded Systems is designed for students at the doorstep of an exciting career in industries in core Electronics. An embedded system is a product which uses a computer to run it but the product, itself, is not a computer. This is a very broad and very general definition. Embedded systems programming, therefore, consists of building the software control system of a computer-based product. Microcontrollers have a CPU, RAM, ROM, and, typically, several peripheral hardware modules which are built in and are under software control. The PIC16F877 is such a microcontroller. The process or program also must not need very high speed operation – it should not be timing-critical. Enhanced control, stability, memory management, and speed can be gained by programming in assembly

languages. The programming at the low-level will interact with the hardware in much finer detail than in the medium-level or the high-level systems.

OUTCOME OF THE WORKSHOP

After Completion of the Workshop, the Participants will be able to Create their own Project for any application by using PIC16F877A Microcontroller.

EMINENT RESOURCE PERSON

Mr. A. Nagoorkani, B.E.,M.S.,
RBA Group of Publications

Theory Session

- Introduction to PIC16F877A Microcontroller
- Introduction Embedded C
- Introduction to CCS-C For PIC16F877A Microcontroller
- I/O Interfacing On PIC16F877A
- LCD Module Interfacing
- PIC16F877A Timers
- PWM Module & Keyboard Interfacing
- PIC16F877A ADC
- PIC16F877A UART
- External Interrupts

Practical Session

- Creating a project in CCS Compiler
- Led Interfacing Program
- DIP Switch interfacing Program
- LCD Module Interfacing Program
- Applications using I/O
- PIC16F877A Timers Demo
- PWM Demo
- Keyboard Application Demo
- ADC Application Demo
- UART Application Demo
- Handling External Interrupts