BANNARI AMMAN INSTITUTE OF TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai, Approved by AICTE

Accredited by NBA New Delhi and NAAC with A Grade)

Sathyamangalam - 638 401 Erode District Tamil Nadu India Ph: +91-4295-226000

IEEE Student chapter (Branch code: 64491)

One day Workshop on "PIC Microcontroller"

5th October 2016

DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING
(ACCREDITED BY NBA FOR 5 YEARS)
TIER-1 WASHINGTON ACCORD

ABOUT THE INSTITUTION

BIT, an impressive campus situated in a serene surrounding at the foothills of the Eastern Ghats encompassing a sprawling area of 180 acres, is the fruit of a dedicated effort to provide quality education and to develop transferable skills to the future technocrats. The Bannari Amman Institute of Technology (BIT) is an energetic and vibrant higher educational institution promoted by the Bannari Amman Group, a leading corporate house in southern part of India. BIT is a well-designed campus with state-of-the-art facilities.

The institute offers 16 undergraduate programmes and 15 postgraduates programmes and Ph.D. programmes in Engineering, Technology and Management. The institution is accredited by NAAC with 'A' Grade. BIT stood No.1 among the self-financing colleges in all India level in terms of industry institute partnership in a survey conducted by AICTE and CII and won the silver medal for the year 2012. As a part of green energy generation the institute has an installed capacity of 600kWp solar PV power generation.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established in1996.It offers a 4 - year B.E Electrical and Electronics Engineering and 2-year M.E Power Electronics and Drives Programme, which are approved by All India Council for Technical Education (AICTE) New Delhi. B.E Electrical and Electronics Engineering programme is accredited by National Board of Accreditation (NBA) for 5 years. It has a distinguished team of faculty consisting of 10 Doctorates and 23 Post Graduates of which 15 have registered for Ph.D., in different areas of Electrical and Electronics Engineering and rich industrial /research/teaching experience.

ABOUT THE WORKSHOP

The course covers the fundamentals of microcontroller programming, acquaints the participant with the process of embedded design and development, the Microchip PIC development tools and demonstrating the implementation of various interface by the Microchip certified faculty.

PREREQUISITES

The desirable participants shall have fundamental knowledge in the field of basic Microcontroller

Course Outline
1. Introduction to PIC Microcontroller, Architecture
2. Introduction to CCS Compiler, C Programming mode
3. Introduction to Proteus VSM Professional Simulation mode for Microcontroller
4. PIC Programming
5. Digital Logic and Number System
6. PIC Hardware Interfacing
7. PIC Microcontroller I/O Port Programming
8. PIC Microcontroller Timers and Counters Programming
9. PIC Microcontroller Interrupts Programming
10. PIC Microcontroller Serial Port Programming
11. Interfacing LCD and Keyboard with PIC Microcontroller
12. Interfacing Relay, DC Motor and Stepper Motor with PIC Microcontroller
13 .PIC Microcontroller ADC (Analog to Digital Converter) Programming and Sensor Interfacing
14. CCP (Compare/Capture/Pulse Width Modulation) Programming Modes

ELIGIBILITY
- ✓ Faculty in Engineering /Polytechnic colleges/Research Scholars
- ✓ Engineer from R&D Organizations/Industries
- ✓ UG/PG Students

REGISRATION FEE
UG/PG Students (Non-IEEE Members) :Rs.350/-
UG/PG Students (IEEE-Members)   :Rs.300/-

REGISTRATION
Demand Draft drawn (From **Indian Overseas Bank** Only) in favor of "IEEE STUDENT BRANCH, BIT" payable at Sathyamangalam, should be sent on or before 3/10/2016.

ORGANIZING COMMITTEE

CONVENOR
Dr.R.Senthil Kumar
Professor & Head/EEE

COORDINATOR
Dr.A.Jeevanandham, Professor, EEE

ORGANIZERS
Mr.R.Ashok Kumar, Assistant Professor, EEE
Mrs. K.T Maheswari, Assistant Professor, EEE
Mr.S. Sundar, Assistant Professor, EEE

ADDRESS FOR COMMUNICAION
Mrs. K.T Maheswari, Assistant Professor, EEE
Bannari Amman Institute of Technology, EEE
Sathyamangalam -638 401.
Erode District, Tamil Nadu.
Event Website: ieeepicworkshop.wixsite.com/ieee
Contact e-mail : ieeepicworkshop@gmail.com
Phone no: 9597331104, 7945748797, 9952394066

One day Workshop on

"PIC Microcontroller"

5ᵗʰOctober 2016

<u>REGISTRATION FORM</u>

Name:

Designation:

Department:

Organization:

Mailing Address:

Phone/Mobile:

Email:

Payment Details

Amount in Rs.:

DD No./Transaction ID with date :

Bank Name:

Place:

Date:

Signature of the Applicant