

ABOUT THE COLLEGE

The Bannari Amman Institute of Technology (BIT) is an impressive campus situated in a serene surrounding at the foothills of the Eastern Ghats encompassing a sprawling area of 180 acres. It is run by Bannari Amman Group, a leading corporate house under the dynamic leadership a great visionary Dr. S.V. Balasubramaniam, in south India to establish a Center of Excellence in Engineering and Technology. The institute offers 15 Undergraduate, 15 Postgraduate programmes in Engineering & Technology, Applied Science & Management and Ph.D & M.S. (By research) programmes in all the eligible discipline of Engineering & Technology. The institute has been approved by All India Council for Technical Education (AICTE), New Delhi accredited by NBA, NAAC with 'A' Grade and it is an autonomous institution affiliated to Anna University, Chennai. BIT won the Silver Medal for the Best overall Industry-linked Engineering College, jointly by AICTE and the Confederation of Indian Industry (CII) for the year 2012. The institute obtained the best Engineering College Award from Indian Society for Technical Education in the year 2009.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 1998. It offers a UG programme, B.E. in Electronics and Communication Engineering and two PG programmes, M.E. in Communication Systems and VLSI Design. The UG programme Electronics and Communication Engineering has been accredited by NBA, New Delhi. In addition, the department has been recognized as a research centre for carrying out Ph.D./M.S. (By Research) programmes under Anna University, Chennai. The department has a team of committed faculty members who are well qualified and are backed by rich teaching/research/industry experience. The department has undertaken many research projects worth Rs.1.42 Crores from various funding agencies viz. AICTE, ICMR, DRDO and DST.

ABOUT THE TEXAS INSTRUMENT/CRANE SOFTWARE UNIVERSITY PROGRAM

Texas Instruments (www.ti.com) TI is a leading manufacturer of semiconductor products, has a University Program which aims to bring the most advanced technology of the engineering industry to universities worldwide. It supports Indian universities for lab set-ups, IC samples, teaching materials, events, train-the-trainer programs, etc. Digital Shark Technology Pvt. Ltd. Bangalore is the sole authorized partner for Texas Instruments India University Program to set up Laboratories.

ABOUT THE WORKSHOP

The workshop is based on the low cost, expandable Tiva TM4C123G Launch Pad Evaluation Kit. The Launch Pad board features an 80MHz TM4C123GH6PM microcontroller, on-board emulation and Booster Pack XL format expansion pins. The workshop also include lectures, demonstrations, and hands-on experiments.

TOPICS

- Introduction to ARM Boards & Tiva C Series Launchpad
- Hands-On Session on TIVA C series TM4C123GXL launch pad board using Energia software/ code composer studio6.1
- Blinking LED, Interrupt Programming & Interfacing Potentiometer with TIVA GPIO
- Hibernation and Wakeup on an RTC Interrupt
- Setting Up CC3100 as a HTTP Server
- PWM Generation and PWM based Speed Control of DC Motor using Potentiometer
- Push Button, Potentiometer, Photo resistor, Ultrasonic Ranger Sensor, PIR Sensor, Temperature Humidity Sensor, 4-Digital Display, Light and Sound sensors

A Two day Hands on Workshop on IoT and Embedded System Design

17th & 18th November 2017



Jointly Organized by

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

&

***TI India University Program
Digital Shark Technology Pvt. Ltd.***

Bangalore



Bannari Amman Institute of Technology

*(Autonomous Institution affiliated to Anna University, Chennai,
Approved by AICTE, Accredited by NAAC with A Grade)*

Sathyamangalam- 638401. Erode (Dt)

Phone: 04285 226000, FAX: 04295 226666

ORGANIZING COMMITTEE

Chief Patrons : **Dr.S.V.Balasubramaniam**
Chairman, Bannari Amman Group
Dr.M.P.Vijayakumar
Trustee, BIT

Patron : **Dr.A.M.Natrajan**
Chief Executive, BIT

Chairman : **Dr.D.Saravanan**
Principal, BIT

Co-Chairman : **Dr.R.S.Valarmathi**
HoD, Dept. of ECE

Convener : **Dr.M.G.Sumithra**, Prof./ECE

Co-ordinators : Mr.V.Gnanaprakash, AP/ECE
Ms.R.Vivitadurga, AP/ECE
Ms.V.Premalatha, AP/ECE
Ms.T.Kamatchi, AP/ECE

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

Mr.V.Gnanaprakash

Assistant Professor , Department of ECE
Bannari Amman Institute of Technology
Sathyamangalam, Erode (Dist), 638 401.

Email: gnanaprakash@bitsathy.ac.in
Mobile No: 9841872623, 9865816671

The selected candidates will be intimated through e-mail only.

RESOURCE PERSONS

The course will be handled by well experienced Expert from TI University India Program - Digital Shark Technology Pvt. Ltd., Bangalore.

ELIGIBILITY & SELECTION

UG/PG Students, Faculty members, Research Scholars pursuing research in IoT, Embedded System Design and R&D personnel from industries.

REGISTRATION

Registration will be done on "First Come First Served" basis. As seats are limited to 40, early registration is recommended. All the participants have to pay the registration fee by Demand Draft drawn in favour of "**The Principal, Bannari Amman Institute of Technology**", payable at Sathyamangalam. Registration fee includes registration kit and working lunch. Accommodation will be provided on request basis and charged extra.

Registration Fee :

UG and PG Students	: Rs.750 /-
Faculty	: Rs. 1000/-
Industry Persons	: Rs.1500/-

HOW TO APPLY

The applicants can send their registration form in the specified format along with DD through their Principal / HOD. If selected, they should confirm their participation in time.

SCHEDULED DATES

Last date for receipt of Applications : 10.11.2017
Intimation of Selection : 11.11.2017
Confirmation by Participants : 14.11.2017

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Sathyamangalam 638401

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IoT and Embedded System Design

17 - 18 , November 2017

REGISTRATION FORM

Name :
Designation :
Qualification :
Organization :
Address for
Communication :
Mobile No. :
E-mail :
Accommodation required: Yes/No

DD Number & Date:

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.

Place:
Date: Signature of the Participant

Signature of HOD