

## 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. In addition to the major laboratories the department has established PCB Design Lab, Freescale Embedded Systems Lab. To promote interdisciplinary research, the department nests a Liquid Crystal Research laboratory to carry out the research in the frontier areas of Liquid Crystals. The department has undertaken many research projects worth Rs.1.42 Crores from various funding agencies viz. AICTE, ICMR, DRDO and DST. The Department has signed MoU with leading industries such as Freescale Semiconductors, Bangalore, Texas Instruments, Bangalore, Agilent Technologies, Bangalore, Soliton Technologies, Bangalore, UTL Technologies, Bangalore, Robert Bosch, Bangalore and BSNL, Coimbatore.

## ABOUT SPECIAL INTEREST GROUP

Our research group (BIT-AISAHA) is primarily focusing on the development of smart agriculture and healthcare applications by using Machine Learning and Deep Learning techniques. The members of the research group are trained under the nationwide program leading India.AI. The group is actively working towards skilling students, faculty training and research initiatives. The faculty members are certified NVIDIA DLI instructor which is the prestigious certification provided by NVIDIA.

## ABOUT THE WORKSHOP

The objective of this workshop is to provide an opportunity for students, faculty and scholars to interact with leading researchers and to explore the possibilities and the capabilities of the IoT devices and applications.. The workshop includes invited talks from experts in these and related areas.

## Two days Hands-on Workshop On IOT and Drones March 2-3, 2019



## Organized By



**BIT-Artificial Intelligence for Smart  
Agriculture and Health Care Applications**

**In association with**

**Leadingindia.AI**

**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**

## Advisory Committee

**Dr.C.Palanisamy**

Principal, BIT

**Dr.K.Sivakumar**

Dean Planning & Development and Students affairs

**Dr. P. Thangaraj**

Dean Academics, Skill Development and Training

## Conveners

**Dr. Deepak Garg**

Director, Leadingindia.AI

Prof.&Head, Dept. of CSE,

Bennett University, Noida, India

## Research Group Head

**Dr.M.G. Sumithra**

HoD/ECE

## Research Group Members

Mr. P. Purusothaman, AP L-I / IT

Ms. M. Suriya, AP L-II / CSE

Mr. V. Gnanaprakash, AP L-I/ECE

Mr. V. Chandran, AP L-I/ECE

Mr. G.Suresh, AP L-I/ECE

## Address for Correspondence:

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## COURSE CONTENTS

- Introduction to IoT
- Introduction to Arduino
- Sensor interfacing
- Hands-on Sessions: LDR, LEDs, Ultrasonic
- Introduction to Raspberry PI
- Applications of Raspberry PI
- Alexa Implementation
- Introduction to Drones and Demonstration

## Requirements

Participants have to install Arduino IDE in the system.

Link: <https://www.arduino.cc/download.php?f=/arduino-1.8.7-windows.exe>

## RESOURCE PERSONS

The resource persons are from Bennett University Greater Noida, Delhi.

## ELIGIBILITY & SELECTION

UG/PG Students, Faculty members, Research Scholars pursuing research in Deep learning, artificial intelligence and R&D personnel from industries.

## REGISTRATION

The workshop is free of cost for Internal Participants.

## SCHEDULED DATES

Last date for receipt of Applications: 26.02.2019

Intimation of Selection : 28.02.2019

## Bannari Amman Institute of Technology

*(Autonomous Institution affiliated to Anna University, Chennai,  
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**Sathyamangalam 638401**

**Two days Hands-on**

**Workshop**

**On**

**IOT and Drones**

**March 2-3, 2019**

## REGISTRATION FORM

Name :

Designation :

Qualification :

Organization :

Address for  
Communication :

Mobile No. :

E-mail :

DD Number & Date:

Signature of Participant

Signature of HOD

## 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 Applicant