

## 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 THE WORKSHOP

The objective of the workshop is to expose the students and the research scholars to the evolving ideas in Deep learning concepts and its application in various fields.

## TOPICS

- Basics of Machine Learning: Classification & Regression
- Unsupervised Learning: Clustering using Hierarchical & Markov methods
- Neural Networks
- Industrial Use-cases of Clustering, Deep learning-based Regression and Classification
- Introduction to Scikit-learn and other python packages
- CNN and RNN
- Long Short Term memory & Gated Recurrent Units
- Deep learning Applications in Medical Imaging – Ultrasound, etc.
- Introduction to Deep Learning libraries

## A Two day Workshop

on

## Deep Learning and Industrial Applications

3<sup>rd</sup> & 4<sup>th</sup> August 2018



Organized By

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

**in association with Robert Bosch, Bangalore and 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)**

## ORGANIZING COMMITTEE

**Advisory Committee: Dr.C.Palanisamy**  
Principal, BIT.

**Dr.K.Sivakumar,**  
Dean PDS, BIT.

**Dr.P.Thangaraj,**  
Dean TSD, BIT.

**Dr.R.S.Valarmathy,**  
Dean Academics, BIT.

**Dr.Deepak Garg,**  
Director Leading India AI,  
Prof & Head CSE,  
Bennet University, Noida

**Convenor : Dr.M.G.Sumithra,**  
Prof & Head/ECE

**Co-ordinators: Ms. M.Suriya, AP (Sr.G) / CSE**  
**Mr. P.Purusothaman, AP / IT**  
**Mr.V.Gnanaprakash, AP /ECE**  
**Mr.V.Chandran, AP/ECE**  
**Mr. G.Suresh, AP/ECE**

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

**Mr. V.Chandran**

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

**Email: [chandran@bitsathy.ac.in](mailto:chandran@bitsathy.ac.in)**

**Mobile No: 9080258895, 9790827719**

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

## RESOURCE PERSONS

1. **Dr Sahana Prabhu,**  
Data Scientist, Robert Bosch, Bangalore
2. **Ms. M.Suriya, AP (Sr.G)/CSE, BIT, Sathy.**
3. **Mr. P.Purusothaman, AP/IT, BIT, Sathy.**

## ELIGIBILITY & SELECTION

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

## REGISTRATION

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 payment basis if required)

**Registration Fee :**  
UG and PG Students/Research Scholars : Rs.500  
Faculty : Rs 750  
Industry Persons : Rs.1000

## HOW TO APPLY

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

## SCHEDULED DATES

Last date for receipt of Applications : 28.07.2018  
Intimation of Selection : 30.07.2018  
Confirmation by Participants : 31.07.2018

## Bannari Amman Institute of Technology

*(Autonomous Institution affiliated to Anna University, Chennai,  
Approved by AICTE, Accredited by NAAC with A Grade)*  
**Sathyamangalam 638401**

## A Two day Workshop

*on*

## Deep Learning and Industrial Applications

**3<sup>rd</sup> & 4<sup>th</sup> August 2018**

## REGISTRATION FORM

Name :

Designation :

Qualification :

Organization :

Address for  
Communication :

Mobile No. :

E-mail :

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