

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

3rd & 4th August 2018



Organized By

BIT-Artificial Intelligence for Smart Agriculture and Health Care Applications
in association with
Robert Bosch, 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.C.Palanisamy**
Principal, BIT

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

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. Mr. P.Purusothaman,**
Assistant Professor, IT
BIT, Sathyamangalam.

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	: 30.07.2018
Intimation of Selection	: 01.08.2018
Confirmation by Participants	: 02.08.2018

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Sathyamangalam 638401

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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