

Course Objective

- To provide knowledge to the participants regarding different applications of Artificial Intelligence (AI) and Machine learning (ML) techniques with key focus on Biomedical Engineering.
- To unfold various research areas related to AI based biomedical systems and provide opportunity to contact with experts in the related areas.
- To act as a catalyst to promote affordable and accessible healthcare solutions using AI and ML.

Course Outcome

- Hands-on experience in machine learning and deep learning applications.
- Learn the various aspects of data handling and how information can be extracted from data.
- Carry out predictions-how to predict and analyze data and discuss the importance of variables in a dataset.

Activities

1. Assignments will be of the following type:
 - Case studies
 - Programming Assignments.
2. At the end of the course "Project" will be assigned to the participants.

Who can attend?

Faculty members of KTU affiliated colleges, professionals from industry, scientists and engineers from R&D organizations and research scholars

About College and Department

Sahrdaya College of Engineering and Technology was established in 2002 and promoted by Irinjalakuda Diocesan Educational Trust is one of the premier Engineering colleges in Kerala. The Department of Biomedical Engineering was established since inception of the college and offering a B.Tech programme in Biomedical Engineering. Being truly interdisciplinary and modern in its core, the programme has evolved as unique and highly rated, among the academia as well as industrial fraternity.

Course Coordinators

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2. Ms. Reshma Jose
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Department of Biomedical Engineering
Sahrdaya College of Engineering and
Technology, Kodakara

Pre-requisites

- MATLAB Fundamentals
- Good internet connectivity for hands-on sessions

Resource Persons

Eminent speakers from IIT, NIT, CUSAT and hands on session by Mathworks and Corel Technologies.



SAHRDAYA
College of Engineering & Technology

Online Faculty Development Programme On Artificial Intelligence and Machine Learning for Biomedical Applications (13th – 24th July 2020)



**Last Date for Registration: 10th July
2020**
*(Online Registration Link will be open
from 03/07/2020)*

How to apply?

The participants may log on to
<https://www.sahrdaya.ac.in/bme/>
and fill up the Google Doc form.

Registration Fee

Rs. 100/- for participants. Payment can be made via
<https://www.ravumoney.com/webfronts/#/index/SpecialProgramme>



EDUCATION IS DEDICATION

DEPARTMENT OF BIOMEDICAL ENGINEERING

SAHRDAYA

COLLEGE OF ENGINEERING & TECHNOLOGY

Industrial interaction with



Medtronic

Online Faculty Development Programme on Artificial Intelligence and Machine Learning for Biomedical Applications

13th - 24th
July 2020

INAUGURAL ADDRESS



DR. VRINDA V NAIR
Dean (Research) and Registrar in Charge
APJ Abdul Kalam Technological University

KEYNOTE ADDRESS



DR. RAMAKRISHNAN S
Professor in Biomedical Engineering & HOD
Indian Institute of Technology Madras

SPEAKER



DR. MAHESH RAVEENDRANATHA PANICKER
Asst. Professor | Electrical Engineering | Indian Institute of
Technology Palakkad

SPEAKER



DR. BIJOY A. JOSE
Asst. Professor and Faculty in Charge, CPS Lab
Department of Electronics
Cochin University of Science and Technology

SPEAKER



DR. VARUN GOPI
Asst. Professor
Department of Electronics & Communication Engineering
National Institute of Technology, Tiruchirappalli

SPEAKER



VINAY SUBRAHMANYA
Mathworks