



BMS Institute of Technology and Management

Avalahalli, Doddaballapura Road, Bengaluru – 560064

Department of Electronics and Communication Engineering

Open Course Report 2019 (EVEN)

Date: 24-02-2019

Title of the Open Course	Machine Learning Simplified using Python and Deep Learning using Matlab
Course Coordinator (s)	Prof. Saneesh C T & Team
Total No. of Students Enrolled	42
Date	February 12-16, 2019
Course Details	<p>Machine learning is about the ability of machines to form rules automatically and make decisions by exposing the machine to input data. It is very relevant in the current scenario since the information related tasks are getting increasingly complex and the data is of exponential order. This course will give an insight into the concepts of Machine Learning (ML) and Deep Learning (DL). This course is open to students of any streams who have a basic knowledge of 10th grade Mathematics. In this course, the different types of learning such as supervised and unsupervised learning will be explained with the help of algorithms, which are used for pre-processing, extraction and classification of data. These topics will be taught using Python. This course will also cover how to build deep learning models using MATLAB without having to be an expert. Participants will learn how to work with standard models such as Caffe, Tensor Flow-Keras, Alexnet etc. Participants will also learn to create, modify, and analyse complex deep neural network architectures using MATLAB apps and visualization tools.</p>



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Course Outcomes

CO1: Understand the basics of Machine Learning and Deep Learning.

CO2: Explore the modern tools used for developing machine learning and deep learning algorithms.

CO3: Apply the mathematical concepts for machine learning and deep learning algorithms.

CO4: Analyse the standard ML models and DL models for statistical and computer vision applications.

Sample Photos



Course Coordinator

HoD - ECE