

Module PMRF-ISSS10/2022

Introduction to Machine Learning

Name of the PMRF student

Sunandini Sanyal

Required background of the students taught

Introductory level course for students in CSE, EE, ECE, IT or Mathematics.

Prerequisites: Basic Programming skills in Python, and Basics of probability, LA.

Online session coordinator

Will be chosen from the list of registrants

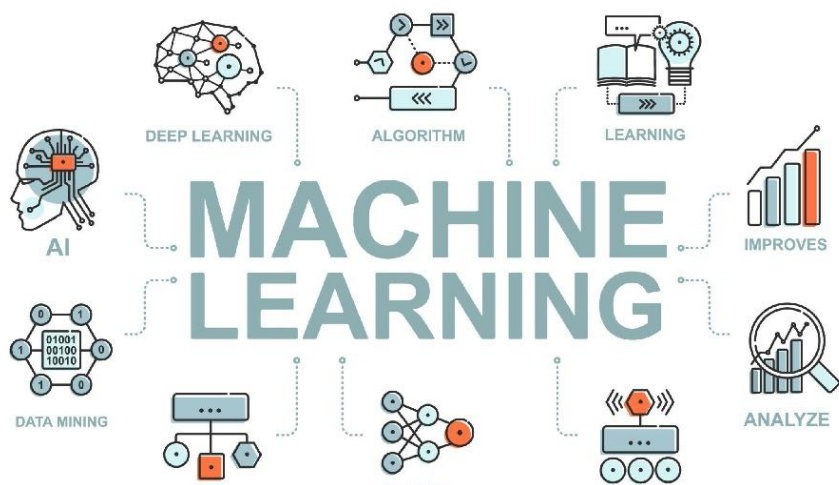


Fig: The world of Machine Learning

Details of the content of the module

Week 1: Introduction to Linear Algebra and Probability

Week 2: Linear Regression

Week 3: Logistic Regression

Week 4: Introduction to python, hands-on session with Scikit-learn

Week 5: Support Vector Machines

Week 6: K means Clustering, Decision Trees

Week 7: Neural Networks

Week 8: Deep Learning with RNNs and CNNs

Week 9: Hands-on session on PyTorch

Week 10: Generative Modelling

Note: Additional Topics might be included later

Schedule of the module

Course Start Date: 14-06-2022

Course End Date: 16-08-2022

Total Duration of Course: 10 weeks

Lecture Duration: 1hr/week (every Tuesday)

Timings: 7:00 PM – 8:00 PM IST

Meeting link : Will be shared later

[Link](#)

Contact email ID: issforum@gmail.com

Registration link: [Google Form](#)