

## Syllabus

**PART I-Machine Learning**

- Module 1-** Foundations of Machine Learning- Types of Machine Learning algorithms- Choosing the right algorithm- Building machine learning models- Applications of Machine Learning.
- Module 2-** Introduction to Google Colab- Python libraries- Pandas, Numpy, Sklearn, Seaborn and Matplotlib- Overview of popular Machine Learning datasets- Data preparation- Visualization.
- Module 3-** Supervised and unsupervised learning- Clustering techniques- K-Means algorithm- Classification techniques- Logistic Regression- Support Vector Machines.
- Module 4-** Getting started with Artificial Neural Networks- Basic elements of a Neural Network.

