

# MACHINE LEARNING INTERNSHIP PROGRAM

## **Machine learning:**

- Introduction to Machine learning.
- A brief explanation of Machine learning algorithms.
- Installation of machine learning algorithms

## **Scientific computation core libraries:**

- Introduction of file handling and modules.
- Programming styles for those handling.
- Introduction of scientific computation core libraries.
- Programming styles for multidimensional array and tools.

## **Statistics:**

- Introduction of statistics.
- Basic terminologies of statistics.
- Sampling techniques.
- Programming styles for statistics.

## **Data manipulation and Analysis:**

- Introduction of pandas.
- Programming styles for pandas.
- Steps for data manipulation and Analysis.
- Extraction of the data and converting to local formats.

## **Data Visualization:**

- Introduction of Data Visualization.
- Introduction of matplotlib
- Programming styles for matplotlib.
- Introduction of seaborn.

- Programming styles for seaborn.
- Introduction Bokeh
- Programming styles of Bokeh

## **Supervised Learning**

- Introduction of Machine learning algorithms.
- Supervised Learning concept.
- Regression and Classification Algorithm.
- Programming styles for Data preprocessing and feature extraction.
- Application of Machine learning.
- Training and testing Algorithms.

## **Un-Supervised Learning:**

- Introduction of Un-Supervised Learning concept.
- Handling Un-labeled Dataset.
- Programming styles for Data preprocessing and feature extraction of unsupervised algorithm.
- Application of Machine learning.
- Clustering the Unlabeled data
- Data preprocessing and feature extraction of the raw dataset.
- Training and Testing of the model.
- Extraction of the model.
- Predicting the Result.