

## Data Science Applications using Python

### What is Data Science

1-2 Sessions

Data Science Applications

Variety of Data Sources, Data Formats, Big Data

Data Science, Machine Learning, Artificial Intelligence - Introduction

### Python

20-25 Sessions

Basic Programming Concepts

Variables, Data Structures, Operators, Conditional Statements, Looping, Functions

Important Modules & their Applications

- NumPy, SciPy, Pandas, Scikit, Matplotlib, BeautifulSoup Etc.

### Statistical Concepts

10-12 Sessions

Descriptive Statistics

Inferential Statistics

Linear Algebra

Data Pre-Processing

Data Visualization

### Regression and ML Algorithms

10-12 Sessions

Linear Regression

Logistic Regression

Time Series

Neural Networks

Decision Trees

Clustering

Classification

Supervised, Unsupervised, Reinforced & Deep Learning

### Target

Application development as per student's domain / interest area. Product rating prediction, Predict sales, Forecasting, Up-Sell Model etc. Followed by Deployment, API, AWS Lambda.

Get an experience certificate from our Company on successful submission of your Project.

Get connected to recruiters in our network for onsite / remote job opportunities.

### Mode

Classroom sessions

Skype based sessions (in screen sharing mode with an Instructor) \*

\*ideal for remote locations