

# Data Analytics Using Python

**Duration : 2 Months**

**2 Days Free Trial**

**Price : Rs. 6999 /-**

## **Module - 1: Introduction to Python**

1. Python Setup
2. Variables
3. Data Types
4. Casting
5. Numbers
6. Strings
7. Lists
8. Tuples
9. Sets
10. Dictionaries
11. Operators
12. Conditional Statements
13. Loops ( for, while )
14. Functions
15. Object Oriented Programming
16. Exception Handling
17. File Handling
18. Modules and Packages

## **Module - 3: Introduction to SQL**

1. Basics of SQL
2. SQL Statements
3. SQL Constraints
4. SQL Operators
5. SQL Functions
6. SQL Clause
7. Sub Queries
8. SQL Joins

## **Module - 5: Power BI**

1. Power BI Introduction
2. Power Query
3. Visualizations
4. PowerBI Service
5. Creating Dashboards

## **Module -7: Mathematics**

1. Introduction to Statistics
2. Descriptive Statistics

## **Module - 2: Introduction to Excel**

1. Basic Excel
2. Insert ( Illustrations, Charts )
3. Basic Functions ( Sum/Average/Count/etc.. )
4. Basic Formula
5. Absolute / Relative Referencing
6. LOOKUP Functions
7. Pivot Tables
8. Logical / Statistical Functions
9. Chart Data Techniques
10. Date / Time Functions
11. Text Functions Using
12. Validations
13. Math & Trigonometry Functions
14. Summarizing Data
15. Outlining
16. Consolidation
17. Custom Views
18. Importing & Exporting Data

## **Module - 4: TABLEAU**

1. Understanding Data
2. Creating First visualization
3. Tableau Calculations
4. Formatting
5. Manipulating Data in Tableau
6. Advanced Visualization Tools
7. Creating Dashboards & Stories
8. Distributing & Publishing Visualization

## **Module - 6: Introduction to ML**

1. Machine Learning Introduction
2. Linear and Logistics Regression
3. Decision Trees & Random Forests
4. Principal Component Analysis

## **Module - 8: Projects**

1. Covid Dataset Analysis
2. Analysis of World Economic Data
3. Supermarket Data Analysis