Data Science & Machine Learning

Duration : 3 Months | **3 Days Free Trial** | **Price : Rs. 11999 /-**

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 – 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 – 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. Joins

Module – 4 : Visualization Tools

1. Understanding Data
2. Introduction to Data Visualizations
3. Introduction to Tableau
4. Tableau Visualizations
5. Power BI Introduction
6. Power BI Visualizations
7. Creating Dashboards
8. Distributing & Publishing Visualization

Module – 5 : Machine Learning

1. Machine Learning Introduction
2. Linear and Logistics Regression
3. Decision Trees & Random Forests
4. Naive Bayes
5. KNN and SVM
6. Principal Component Analysis
7. Natural Language Processing
8. Neural Networks
9. TensorFlow and Keras
10. Deep Learning Algorithms
11. Unsupervised Learning

Module – 6 : Mathematics

1. Introduction to Statistics
2. Descriptive Statistics
3. Inferential Statistics
4. Hypothesis Testing

Module – 7 : Projects

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