

Data Science

MODULE - 1 Career Insights in Data Science

- What is Data Science?
- Why Data Science?
- Data Science Jobs Roles
- Tools for Data Science

MODULE - 2 Introduction to Data science

- Understanding Data Science Discipline
- Difference between Data Science, Machine Learning
- Motivation & Inspiration to start a career in Data Science/AI/ML Field
- Traditional Approach v/s Data Science Approach
- Data Science Application explained with Real-world problem

MODULE - 3 Business analytics of Microsoft Excel

- Understanding Business Metrics
- Learn Business Analytics with Excel
- Business Analytics with Excel(Basics, Functions, Pivot Tables, Dashboarding, Business Analytics, Stats)
- Advance Data Visualization

MODULE - 4 Fundamentals of SQL

- Introduction to Database
- Introduction to MySQL and NoSQL for Data Science
- DDL v/s DML v/s DCL v/s TCL
- Basics of Database
- Basic and Advanced Queries
- Filtering Data using WHERE and ORDER BY Clause
- Displaying Data from Multiple tables

MODULE - 5 Python for Data science

- Introduction to Anaconda
- Overview of Anaconda and Jupyter Notebook
- Python or R Language, what to learn?
- Basics of Python Programming
- Python Functions and Classes
- Solving Basic Programs in Python
- Data Wrangling using NumPy
- Data Wrangling using Pandas
- Python for Visualization: Matplotlib & Seaborn