

DATA ANALYTICS SYLLABUS

Excel for Data Analysis (VERY IMPORTANT 🔥)

- Excel Interface
- Data Cleaning Techniques
- Formulas & Functions
 - SUM, AVERAGE, IF, VLOOKUP, XLOOKUP
- Conditional Formatting
- Pivot Tables & Pivot Charts
- Data Validation
- Dashboard Creation

SQL for Data Analytics

- Database Basics
- SELECT, WHERE, ORDER BY
- GROUP BY & HAVING
- Joins (INNER, LEFT, RIGHT)
- Subqueries
- Window Functions
- Performance Optimization

DATA ANALYTICS SYLLABUS

Programming for Analytics (Python)

- Python Basics
- Data Types & Structures
- Loops & Functions
- NumPy
- Pandas
- Data Cleaning with Python
- Exploratory Data Analysis (EDA)

Statistics for Data Analytics

- Mean, Median, Mode
- Variance & Standard Deviation
- Probability
- Correlation & Regression
- Hypothesis Testing
- A/B Testing

Data Visualization (CORE 🔥)

- Data Storytelling
- Choosing Right Charts
- Interactive Dashboards

DATA ANALYTICS SYLLABUS

Data Cleaning & Preparation

- Handling Missing Values
- Removing Duplicates
- Outlier Detection
- Data Transformation
- Feature Engineering (Basics)

Business Analytics

- KPI Identification
- Business Metrics
- Sales & Marketing Analytics
- Finance Analytics
- Operations Analytics

Advanced Analytics Concepts

- Predictive Analytics (Basics)
- Time Series Analysis
- Cohort Analysis
- Funnel Analysis