



# DATA ANALYTICS

## **About the course:**

Total session: 16 (8 weekends x 2 Days each)

Hours per session: 3 hours

Our **Data Analytics Course** is designed to take you from beginner to advanced level, covering essential tools and techniques to analyze, visualize, and interpret data effectively.

**Throughout the course, you will learn how to:**

- **Excel Basics & Advanced:** Learn core Excel skills including functions, formatting, data cleaning, Pivot Tables, Lookups, and chart creation. Advance to dashboards, financial modeling, and macros.
- **SQL Basics & Advanced:** Understand SQL fundamentals (SELECT, JOIN, aggregations) and advanced techniques (window functions, CTEs), with real-world problem-solving.
- **Power BI Basics & Advanced:** Master data import, cleaning, and visualization in Power BI. Dive into DAX functions, custom measures, and best practices for real-world projects.
- **Python for Data Analysis:** Learn Python fundamentals, data manipulation with Pandas and NumPy, and advanced visualization with Matplotlib and Seaborn. Automate analysis and work on a mini-project.

## Why Choose US?

- **Industry Expertise:** Learn from experienced professionals who bring real-world knowledge and insights.
- **Practical Learning:** Get hands-on experience with real projects to develop job-ready skills.
- **Up-to-Date Curriculum:** Master the latest SAP trends, technologies, and tools to stay ahead in your career.
- **Tailored Guidance:** Benefit from personalized mentorship that helps you reach your goals with customized support.
- **Proven Career Success:** Leverage our strong track record of successful placements to kickstart your professional journey.
- **Networking & Collaboration:** Connect with peers and industry experts for valuable opportunities and professional growth.
- **Continuous Learning:** Gain access to resources that allow you to keep learning and evolving throughout your career.

## **Course content**

### **Focus on Excel and SQL**

#### **Excel Basics**

- Excel Fundamentals: Functions, Formatting, Data Cleaning
- Advanced Excel: Pivot Tables, Lookups, Charts
- Assignments provided at the end

#### **Excel Advanced for Data Analysis**

- Dashboards, Conditional Formatting, and Data Validation
- Financial Modeling and Introduction to Macros
- Assignments provided at the end

#### **SQL Basic**

- SQL Fundamentals: SELECT, WHERE, JOIN Clauses
- Aggregations, Subqueries, and Basic Query Optimization
- Assignments provided at the end

#### **Advanced SQL**

- Window Functions, Common Table Expressions (CTEs)
- Real-world Problem Solving in SQL
- Assignments provided at the end

### **Focus on Power BI and Python**

#### **Power BI Basics**

- Introduction to Power BI: Data importing and cleaning
- Visualizations, reports, and dashboard creation

## **Advanced Power BI**

- DAX functions and custom measures
- Real-world projects and best practices

## **Python Basics**

- Fundamentals: Data types, loops, and functions
- Pandas and NumPy for data manipulation

## **Advanced Python for Data Analysis**

- Data visualization with Matplotlib and Seaborn
- Automating data analysis and a mini-project

## **Earn Your Certificate of Completion!**

Upon successfully completing the course, you will receive a **Certificate of Completion**, recognizing your hard work and mastery of the skills taught throughout the program. This certificate is a valuable credential that demonstrates your dedication to learning and your ability to apply the knowledge in real-world scenarios.

### **What You'll Gain:**

- **Proven Expertise:** Showcase your skills in the subject matter.
- **A Valuable Credential:** Enhance your resume and LinkedIn profile with an industry-recognized certificate.
- **Career Boost:** Open doors to new job opportunities or advancement in your current role.

Take the next step in your professional journey, earn your certificate, and demonstrate your commitment to continuous growth and learning!