

Data Analytics, Visualization & AI-Powered Insights

COURSE OVERVIEW

This course explores the end-to-end data lifecycle from collection and cleansing to modelling, visualization and interpretation, using industry leading tools and frameworks. The course emphasizes data-driven decision making, predictive analytics and AI-assisted insights generation, enabling professionals to leverage emerging technologies for strategic advantage across industries. It equips participants with the essential knowledge and practical skills to transform raw data into actionable intelligence through advanced analytics, modern visualization techniques and the application of artificial intelligence.

WHO SHOULD ATTEND?

This course is designed for data analysts, business intelligence professionals, engineers, IT specialists, managers and decision makers seeking to strengthen their analytical capabilities and harness the power of AI in driving organizational performance. It is also suitable for professionals transitioning into data-driven roles or those aiming to enhance their understanding of analytics and visualization for better business outcomes.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Collect, clean and analyze large datasets effectively.
- Build and interpret dashboards and visualizations using modern tools.
- Apply AI and machine learning techniques to extract insights and make data-driven predictions.
- Communicate analytical results clearly to support strategic decisions.
- Integrate data analytics and AI tools into existing workflows for improved efficiency and innovation.
- Develop practical skills to transform complex data into actionable business intelligence.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Foundational principles of data analytics and visualization.
- Techniques for transforming raw data into actionable insights.
- Use of AI-powered tools to enhance data interpretation and decision-making.
- Creation of interactive and dynamic visualizations with modern software.
- Best practices for communicating complex data clearly and effectively.
- Ethical considerations and data governance in analytics projects.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded