

DTI-STU-104

Business Intelligence Analysis Tools and Techniques

Program Information



Nature of the Course
Theory + Practical



Total Hours per Day
2 hours



Course Duration
3 Weeks (60 Hours)

Course Summary

Course Summary Senior Business Intelligence Analyst to be responsible for the upkeep and development of reports and dashboards to support business performance monitoring and decision-making. In this role, you will build and maintain designs for generating reports on financial and market intelligence, collaborate with internal department leaders and global resources to understand business needs, and successfully communicate project results and challenges. You will be part of a talented team that demonstrates superb technical competency, delivering mission-critical reporting infrastructure and ensuring the highest levels of performance and security.

Course Details

Course 1

Introduction to Business Intelligence

- Understanding the fundamentals of business intelligence
 - The role of BI in decision-making
 - Data warehousing and data modeling
 - Extract, Transform, Load (ETL) processes
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Course 2

Data Analysis and Visualization

- Data analysis techniques
 - Data visualization tools and best practices
 - Creating meaningful reports and dashboards
 - Exploring and interpreting data
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Course 3

Database Management

- Database fundamentals
 - SQL querying and data manipulation
 - Relational databases and data normalization
 - Database design principles
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Course 4

Business Intelligence Tools and Technologies

- Introduction to BI software and tools
 - Hands-on experience with BI platforms (e.g., Tableau, Power BI)
 - Connecting to data sources and building visualizations
 - Data integration and automation
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Course 5

Data Mining and Predictive Analytics

- Introduction to data mining techniques
 - Predictive modeling and machine learning
 - Applying analytics for business insights
 - Real-world case studies
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Course 6

Business Intelligence Strategy and Implementation

- Developing a BI strategy for organizations
 - Aligning BI with business goals
 - Implementing and managing BI projects
 - Change management and adoption strategies
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Course 7

Capstone Project

- Applying the knowledge and skills learned in a real-world BI project
 - Data analysis, reporting, and visualization
 - Presentation of findings and recommendations
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Course 8

Business Intelligence Ethics and Security

- Data privacy and ethical considerations
 - Securing BI systems and data
 - Compliance with regulations (e.g., GDPR)
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Course 9

Business Communication and Presentation Skills

- Effective communication in a business context
 - Presenting findings and insights to stakeholders
 - Storytelling with data
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Course 10

Continuous Learning and Industry Trends

- Staying updated with BI trends and technologies
 - Professional development and certifications
 - Networking and industry events
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