

# DATA ANALYTICS AND BUSINESS INTELLIGENCE FOR IT MANAGERS

Kigali - Rwanda

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\$5,500



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## Introduction

In today's data-driven business landscape, IT managers play a critical role in harnessing the power of data analytics and business intelligence (BI) to gain valuable insights and inform strategic decision-making. This intensive five-day program, offered by Gentex Training Center, equips IT professionals with the essential knowledge and practical skills to bridge the gap between data and actionable intelligence. Through a comprehensive exploration of key data analysis techniques, business intelligence tools, and communication strategies, participants gain the ability to extract meaningful insights from data, translate them into actionable reports and visualizations, and effectively communicate data-driven recommendations to stakeholders, empowering data-driven decision-making across the organization.

## Data Analytics and Business Intelligence for IT Managers Course Objectives:

- Master core concepts of data analytics and business intelligence (BI) in the context of IT management.
- Identify and understand various data sources relevant to IT operations and performance.
- Utilize data analysis techniques to cleanse, transform, and analyze IT-related data effectively.
- Leverage data visualization tools to create compelling reports and dashboards for clear communication.
- Develop a strong understanding of key performance indicators (KPIs) for IT performance measurement.
- Utilize data analytics to identify trends, patterns, and potential IT risks and opportunities.
- Translate data insights into actionable recommendations for informed decision-making.
- Effectively communicate data-driven insights and recommendations to technical and non-technical audiences.



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- Explore the ethical considerations and data security best practices in data analytics.
- Understand emerging trends in data analytics and BI technologies relevant to IT management.

## Course Methodology

This interactive program utilizes a participant-centric approach that blends lectures, real-world case studies, group discussions, and hands-on exercises. Participants actively engage in data analysis simulations, BI tool workshops, and communication skills development activities. Through collaborative learning and expert guidance from experienced instructors, participants refine their analytical thinking, communication, and data storytelling skills to become effective data-driven IT leaders.

## Who Should Take This Course

- IT managers and directors seeking to leverage data analytics for informed decision-making.
- IT professionals interested in exploring the intersection of data and IT operations.
- Project managers working on IT-related initiatives requiring data analysis skills.
- Business leaders seeking a deeper understanding of data analytics and its role in IT.
- Anyone aspiring to advance their career in IT management by embracing data-driven strategies.

## Data Analytics and Business Intelligence for IT Managers Course Outline:





## Day 1: Demystifying Data Analytics and Business Intelligence

- Understanding Core Concepts of Data Analytics and Business Intelligence (BI)
- The Role of IT Managers in Data-Driven Decision-Making
- Identifying Key Data Sources for IT Operations and Performance Management

## Day 2: Data Preparation and Analysis Techniques

- Data Cleaning, Transformation, and Manipulation Techniques for Accurate Analysis
- Utilizing Data Analysis Tools (e.g., SQL, Excel) to Explore and Analyze IT Data
- Identifying and Addressing Data Quality Issues to Ensure Reliable Insights

## Day 3: The Power of Data Visualization

- Designing Effective Data Visualizations for Clear Communication and Storytelling
- Leveraging BI Tools to Create Compelling Dashboards and Reports
- Communicating Data Insights to Technical and Non-Technical Audiences Effectively

## Day 4: Measuring IT Performance with Data Analytics

- Establishing Key Performance Indicators (KPIs) for IT Operations and Service Delivery
- Utilizing Data Analytics to Identify Trends, Patterns, and Performance Bottlenecks
- Leveraging Data Insights to Drive Continuous Improvement and Optimize IT Resources

## Day 5: Emerging Trends and the Future of Data-Driven IT Management

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- Exploring Cutting-Edge Data Analytics Technologies (Cloud Analytics, AI/ML) for IT
- Ensuring Data Security and Ethical Considerations in Data-Driven Decision-Making
- Developing a Strategic Roadmap for Leveraging Data Analytics in IT Management

## Conclusion

By successfully completing this comprehensive program offered by Gentex Training Center, participants will have gained the knowledge and practical skills to become data-savvy IT managers. They will be equipped to leverage data analytics and business intelligence to extract valuable insights, communicate effectively, and drive data-driven decision-making, ultimately contributing to a more informed and successful IT organization.

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