

Course No. 1264

AI for Business Intelligence Training Course

DATA SCIENCE & AI ANALYTICS
ARTIFICIAL INTELLIGENCE & APPLICATIONS

DURATION

5 Days

DELIVERY

Classroom



Course Overview

The AI for Business Intelligence Training Course is designed to equip professionals, executives, managers, and technical specialists with the knowledge and practical skills required to integrate Artificial Intelligence (AI) into Business Intelligence (BI) environments to transform enterprise data into strategic insights. As organizations increasingly rely on data to support planning, operational excellence, innovation, and competitive advantage, AI-powered Business Intelligence has become a critical capability for improving decision-making, forecasting, performance management, and organizational agility. This course provides a comprehensive framework for leveraging AI technologies to modernize Business Intelligence strategies and deliver greater business value.

Artificial Intelligence is reshaping Business Intelligence by automating data preparation, discovering hidden patterns, generating predictive insights, identifying business opportunities, and providing intelligent recommendations in real time. Throughout the AI for Business Intelligence Training Course, participants will explore how Machine Learning, Generative AI, Predictive Analytics, Natural Language Processing (NLP), Data Mining, Intelligent Automation, and advanced analytics enhance traditional BI platforms. The course demonstrates how AI-powered Business Intelligence supports executive reporting, operational monitoring, customer analytics, financial performance, risk management, strategic planning, and enterprise-wide performance optimization.

The course combines internationally recognized Business Intelligence methodologies with practical AI applications relevant to government entities, ministries, public sector organizations, financial institutions, oil and gas companies, healthcare providers, manufacturing organizations, telecommunications companies, logistics providers, utilities, and multinational enterprises. Participants will learn how to collect, prepare, analyze, visualize, and interpret enterprise data while developing AI-enhanced dashboards, KPI frameworks, executive reports, and intelligent decision-support systems. The program also addresses enterprise data governance, AI governance, data quality management, cybersecurity, privacy protection, regulatory compliance, and ethical AI to ensure secure, scalable, and trustworthy Business Intelligence implementation.

Combining strategic concepts with hands-on implementation, this course enables participants to successfully design and implement AI-powered Business Intelligence initiatives that improve organizational performance and accelerate digital transformation. Through practical workshops, business simulations, real-world case studies, and implementation exercises, participants will develop the competencies required to strengthen enterprise analytics, improve executive decision-making, optimize operational performance, enhance organizational agility, and build a sustainable

data-driven culture supported by Artificial Intelligence.

Objectives

- Analyze organizational Business Intelligence environments to identify opportunities for AI-powered enhancement during the course.
- Develop a comprehensive understanding of Business Intelligence methodologies and Artificial Intelligence technologies.
- Evaluate enterprise data using advanced Business Intelligence and AI-assisted analytical techniques.
- Apply Machine Learning, Generative AI, Predictive Analytics, and Natural Language Processing to Business Intelligence initiatives.
- Design AI-powered Business Intelligence frameworks that support strategic planning and organizational performance improvement.
- Improve executive reporting, KPI management, forecasting accuracy, and operational visibility through AI-enabled Business Intelligence.
- Strengthen enterprise data governance, AI governance, cybersecurity, privacy protection, regulatory compliance, and ethical AI practices.
- Implement AI-powered dashboards, intelligent reporting systems, and enterprise performance measurement solutions.
- Assess organizational readiness for AI-enabled Business Intelligence adoption.
- Align Business Intelligence initiatives with digital transformation strategies, innovation, operational excellence, and long-term business objectives.

Who Should Attend

The AI for Business Intelligence Training Course is designed for executives, department managers, digital transformation leaders, strategy managers, operations managers, finance managers, IT managers, business managers, project managers, business analysts, data analysts, Business Intelligence professionals, reporting specialists, performance management professionals, and decision-makers responsible for improving enterprise performance through data-driven insights.

The course is particularly valuable for professionals working in government entities, ministries, public sector organizations, central banks, commercial banks, financial institutions, insurance

companies, oil and gas organizations, healthcare providers, manufacturing companies, telecommunications providers, logistics organizations, utilities, educational institutions, and multinational corporations implementing enterprise Business Intelligence and AI transformation initiatives.

It is also suitable for data scientists, BI developers, ERP specialists, reporting professionals, database administrators, management consultants, innovation managers, quality specialists, risk management professionals, AI implementation teams, digital transformation professionals, and individuals seeking advanced expertise in AI-powered Business Intelligence.

Learning Outcomes

- By the end of the AI for Business Intelligence Training Course, participants will be able to:
- Explain the strategic role of Artificial Intelligence in modern Business Intelligence environments.
- Collect, prepare, organize, and analyze enterprise data using Business Intelligence best practices.
- Apply Machine Learning, Generative AI, Predictive Analytics, Natural Language Processing, and Data Mining to Business Intelligence solutions.
- Design AI-powered Business Intelligence models that improve forecasting, planning, and executive decision-making.
- Develop executive dashboards, KPI scorecards, and intelligent reports that deliver actionable business insights.
- Integrate AI technologies with Business Intelligence platforms, enterprise reporting systems, and decision-support solutions.
- Apply best practices for enterprise data governance, AI governance, cybersecurity, privacy protection, regulatory compliance, and ethical AI.
- Measure organizational performance using AI-powered dashboards, predictive KPIs, advanced analytics, and executive reporting.
- Develop implementation roadmaps for enterprise AI-powered Business Intelligence initiatives.
- Lead Business Intelligence transformation projects that strengthen organizational performance, innovation, digital transformation, operational excellence, and sustainable business growth.

Course Outline

DAY 01

Foundations of Business Intelligence and Artificial Intelligence

- Introduction to Business Intelligence concepts and enterprise analytics
- Fundamentals of Artificial Intelligence for Business Intelligence
- Enterprise data sources and Business Intelligence architecture
- Business Intelligence lifecycle and organizational value

PRACTICAL WORKSHOP

Identifying AI opportunities across Business Intelligence processes

DAY 02

Enterprise Data Management and Intelligent Reporting

- Enterprise data collection and integration
- Data preparation, cleansing, transformation, and quality management
- KPI development, executive dashboards, and intelligent reporting
- Business Intelligence visualization and performance measurement

PRACTICAL WORKSHOP

Developing AI-assisted dashboards and executive reports

DAY 03

AI Technologies for Business Intelligence

- Machine Learning applications in Business Intelligence
- Predictive analytics and intelligent forecasting
- Natural Language Processing and text analytics
- Integrating AI with enterprise Business Intelligence platforms

DAY 03 — CONTINUED

PRACTICAL WORKSHOP

Building AI-powered Business Intelligence models for real-world business scenarios

DAY 04**Governance, Security, and Performance Management**

- Enterprise data governance and AI governance
- Cybersecurity, privacy protection, and regulatory compliance
- Ethical AI and responsible Business Intelligence practices
- Measuring organizational performance through AI-powered Business Intelligence

PRACTICAL WORKSHOP

Designing governance frameworks and enterprise performance dashboards

DAY 05**Enterprise AI Business Intelligence Strategy**

- Planning enterprise AI-powered Business Intelligence initiatives
- Building a data-driven organizational culture
- Future trends in Artificial Intelligence, Business Intelligence, advanced analytics, and intelligent decision support
- Measuring business value and return on investment from AI-powered Business Intelligence initiatives

FINAL WORKSHOP

Developing a comprehensive AI for Business Intelligence implementation roadmap, including enterprise BI strategy, data governance framework, AI governance model, KPI architecture, executive dashboard framework, stakeholder engagement strategy, implementation roadmap, and organizational action plan to strengthen Business Intelligence capabilities, improve executive decision-making, accelerate digital transformation, optimize organizational performance, and achieve sustainable operational excellence.



Register or Request More Information

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