

Course No. 1245

AI Automation Training Course

AI AUTOMATION & INTELLIGENT WORKFLOWS
ARTIFICIAL INTELLIGENCE & APPLICATIONS

DURATION

5 Days

DELIVERY

Classroom



Course Overview

The AI Automation Training Course is designed to equip professionals and organizations with the knowledge and practical skills required to leverage Artificial Intelligence (AI) to automate business processes, improve operational efficiency, and accelerate digital transformation. As AI technologies continue to reshape industries, organizations are increasingly adopting intelligent automation to reduce manual effort, enhance productivity, improve service delivery, strengthen decision-making, and optimize business operations. This course provides a comprehensive understanding of how AI automation can be strategically implemented to deliver measurable business value while supporting innovation and sustainable organizational growth.

Modern enterprises face growing demands for faster processes, higher accuracy, improved customer experiences, and greater operational agility. Traditional automation can streamline repetitive tasks, but AI Automation extends these capabilities by enabling systems to understand data, interpret documents, analyze patterns, make intelligent recommendations, and automate complex business workflows. Participants will learn how AI technologies such as Machine Learning, Natural Language Processing, Generative AI, Intelligent Document Processing, Computer Vision, and predictive analytics can be integrated into enterprise operations to improve efficiency across multiple business functions.

The AI Automation Training Course explores the complete lifecycle of enterprise AI automation, including opportunity identification, business process assessment, automation strategy, solution design, implementation planning, governance, cybersecurity, compliance, performance measurement, and continuous improvement. Participants will also examine internationally recognized best practices for selecting automation initiatives, managing organizational change, evaluating return on investment (ROI), mitigating implementation risks, and ensuring responsible AI adoption that aligns with corporate governance and regulatory expectations.

Combining strategic concepts with hands-on learning, this course enables executives, managers, business analysts, digital transformation leaders, automation specialists, and operational professionals to successfully plan, implement, and manage AI automation initiatives across their organizations. Through practical workshops, real-world case studies, implementation exercises, and business simulations, participants will develop the capabilities to optimize workflows, improve organizational performance, enhance service quality, strengthen competitiveness, and support long-term digital transformation across government entities, ministries, financial institutions, oil and gas organizations, and large enterprises.

Objectives

- Analyze organizational processes to identify high-value opportunities for AI Automation during the course.
- Develop enterprise AI Automation strategies aligned with business objectives and digital transformation initiatives.
- Evaluate business processes to determine automation feasibility, expected business value, and implementation priorities.
- Apply Artificial Intelligence technologies to automate repetitive, semi-structured, and knowledge-intensive business activities.
- Design AI Automation solutions that integrate with enterprise systems and business workflows.
- Improve operational efficiency, productivity, service quality, and decision-making through AI-enabled automation.
- Strengthen governance, compliance, cybersecurity, and risk management throughout AI Automation initiatives.
- Implement performance measurement frameworks using KPIs, ROI analysis, and operational performance metrics.
- Assess organizational readiness, technology infrastructure, workforce capabilities, and change management requirements for AI Automation.
- Align AI Automation initiatives with operational excellence, innovation, continuous improvement, and enterprise digital transformation strategies.

Who Should Attend

The AI Automation Training Course is designed for executives, chief digital officers, operations managers, digital transformation leaders, automation managers, IT managers, project managers, business process managers, innovation managers, enterprise architects, business analysts, operational excellence professionals, and senior decision-makers responsible for improving organizational performance through Artificial Intelligence and automation.

The course is particularly valuable for professionals working in government entities, ministries, public sector organizations, banks, financial institutions, insurance companies, oil and gas organizations, manufacturing companies, healthcare providers, telecommunications organizations, logistics companies, utilities, educational institutions, and multinational corporations implementing enterprise automation and digital transformation initiatives.

It is also suitable for AI specialists, automation professionals, RPA developers, process improvement specialists, Lean and Six Sigma practitioners, ERP consultants, compliance officers, internal auditors, finance managers, HR professionals, procurement specialists, customer service managers, workflow designers, technology consultants, and professionals responsible for business transformation, operational excellence, enterprise automation, and organizational innovation.

Learning Outcomes

- By the end of the AI Automation Training Course, participants will be able to:
- Explain the principles, technologies, and business applications of AI Automation.
- Assess organizational processes to identify suitable automation opportunities.
- Design AI-enabled automation solutions that improve operational efficiency and business performance.
- Apply Machine Learning, Natural Language Processing, Generative AI, Intelligent Document Processing, and predictive analytics within automation initiatives.
- Integrate AI Automation with ERP, CRM, BPM, HR, finance, procurement, and enterprise applications.
- Improve productivity, service quality, operational accuracy, and customer experience through intelligent automation.
- Apply governance, cybersecurity, compliance, data management, and risk management principles to AI Automation initiatives.
- Measure automation success using KPIs, business value metrics, and return on investment analysis.
- Develop implementation roadmaps and business cases for enterprise AI Automation projects.
- Lead organizational change and continuous improvement initiatives that support successful AI Automation adoption.

Course Outline

DAY 01

Foundations of AI Automation

- Introduction to Artificial Intelligence and business automation
- Evolution from traditional automation to AI-powered automation
- Core AI technologies supporting enterprise automation
- Business value and strategic applications of AI Automation

PRACTICAL WORKSHOP

Assessing organizational automation readiness and identifying automation opportunities

DAY 02

AI Technologies and Intelligent Business Automation

- Machine Learning applications for business automation
- Natural Language Processing and conversational AI
- Intelligent Document Processing and Computer Vision
- Generative AI for content generation, knowledge management, and workflow enhancement

PRACTICAL WORKSHOP

Mapping AI technologies to enterprise automation scenarios

DAY 03

Designing and Implementing AI Automation Solutions

- Business process analysis and automation opportunity assessment
- Workflow optimization and intelligent automation design
- Integration with ERP, CRM, BPM, HR, finance, and enterprise platforms
- Exception handling, process orchestration, monitoring, and optimization

DAY 03 — CONTINUED

PRACTICAL WORKSHOP

Designing end-to-end AI Automation solutions for enterprise operations

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

- AI governance and responsible automation practices
- Cybersecurity, privacy, regulatory compliance, and enterprise risk management
- Data governance and AI Automation lifecycle management
- Measuring automation performance using KPIs, operational metrics, and ROI analysis

PRACTICAL WORKSHOP

Developing governance frameworks, automation policies, and performance dashboards

DAY 05**Enterprise AI Automation Strategy and Future Trends**

- Planning and managing enterprise AI Automation initiatives
- Scaling AI Automation across organizational functions
- Hyperautomation, autonomous operations, and intelligent enterprise transformation
- Organizational change management and workforce readiness for AI adoption

FINAL WORKSHOP

Developing a comprehensive AI Automation strategy, implementation roadmap, governance framework, business case, KPI dashboard, and organizational action plan to support sustainable digital transformation, operational excellence, and continuous business improvement.



Register or Request More Information

Course page: <https://quest-training.com/courses/ai-automation-training-course>

Website: <https://quest-training.com>

Email: info@quest-training.com

Phone: +905016771440

