

Course No. 1760

Leadership in the Age of Artificial Intelligence Training Course

AI FUNDAMENTALS
ARTIFICIAL INTELLIGENCE & APPLICATIONS

DURATION

5 Days

DELIVERY

Classroom



Course Overview

The Leadership in the Age of Artificial Intelligence Training Course is designed to equip executives, managers, and senior professionals with the leadership capabilities required to navigate organizations through the rapid adoption of Artificial Intelligence. The course focuses on how AI is reshaping leadership, decision-making, workforce capabilities, organizational models, innovation, and competitive advantage.

Rather than focusing on technical programming, the course examines AI from a strategic and managerial perspective. Participants will learn how to identify meaningful AI opportunities, evaluate organizational readiness, make informed investment decisions, and integrate AI into business strategies and operating models.

A key component of the course is understanding how leadership itself is changing. AI enables leaders to access information faster, automate routine decisions, augment human capabilities, and create new ways of working. Successful leaders therefore need to balance technological opportunities with human judgment, organizational culture, ethics, accountability, and responsible decision-making.

The course also addresses workforce transformation, including changing job roles, future skills, employee engagement, reskilling, talent development, and managing resistance to AI adoption. Participants will explore how to build organizations where people and AI work together effectively.

Through executive case studies, practical exercises, strategic scenarios, and an integrated final workshop, participants will develop a practical leadership framework for responsible AI adoption and sustainable organizational transformation.

Objectives

- By the end of the course, participants will be able to:
- Understand the strategic impact of Artificial Intelligence on leadership and organizations.
- Assess the opportunities and challenges created by AI adoption.
- Develop an AI leadership vision aligned with organizational strategy.

- Identify high-value AI opportunities across business and operational functions.
- Evaluate organizational readiness for AI transformation.
- Make informed decisions regarding AI investments and implementation priorities.
- Lead organizational change associated with AI adoption.
- Develop future-ready workforce capabilities and talent strategies.
- Build effective collaboration between people and AI-enabled systems.
- Strengthen data-driven and AI-supported decision-making.
- Establish principles for responsible and ethical AI use.
- Identify and manage AI-related organizational, operational, and reputational risks.
- Build an organizational culture that supports innovation and responsible experimentation.
- Measure the organizational value and impact of AI initiatives.
- Develop a practical leadership roadmap for navigating the AI era.

Who Should Attend

This course is designed for CEOs, C-Suite Executives, Executive Directors, Senior Managers, Department Heads, Business Leaders, Strategy Directors, Digital Transformation Leaders, Innovation Managers, Technology Leaders, Data Leaders, and senior professionals responsible for organizational performance and transformation.

It is particularly suitable for leaders in government and public-sector organizations, banking and financial services, oil and gas, energy, telecommunications, manufacturing, healthcare, logistics, and large corporations who need to understand the strategic and organizational implications of Artificial Intelligence.

The course is also valuable for experienced managers and professionals who are expected to lead teams through AI-driven change, redesign work processes, develop future capabilities, and make strategic decisions involving emerging technologies.

Learning Outcomes

- Upon completion of the course, participants will be able to:
- Explain how AI is transforming leadership and organizational structures.
- Evaluate the strategic opportunities created by Artificial Intelligence.
- Assess organizational AI readiness and transformation requirements.
- Identify and prioritize high-impact AI use cases.
- Integrate AI considerations into strategic planning and decision-making.
- Evaluate AI investments based on value, feasibility, risk, and organizational impact.
- Lead teams through AI-related organizational change.
- Redesign roles and workflows around human-AI collaboration.
- Identify critical future skills and workforce capabilities.
- Develop strategies for reskilling and upskilling employees.
- Apply responsible AI principles to leadership decisions.
- Identify key AI risks related to data, privacy, security, bias, and accountability.
- Strengthen innovation and experimentation within teams.
- Measure the performance and business value of AI initiatives.
- Develop a practical AI leadership and transformation action plan.

Course Outline

DAY 01

Leadership Transformation in the Age of AI

- Understanding Artificial Intelligence and its organizational impact.
- How AI is changing the role of leaders and managers.
- From traditional management to AI-enabled leadership.
- AI as a strategic organizational capability.
- The changing nature of work and decision-making.
- Human judgment versus machine-supported intelligence.
- Developing an AI leadership mindset.
- Building executive awareness and organizational alignment.

DAY 01 — CONTINUED

- Identifying opportunities and threats created by AI.
- Understanding AI-driven competitive advantage.

PRACTICAL APPLICATION

Develop an AI leadership readiness assessment for an organization.

DAY 02

AI Strategy, Innovation & Business Value

- Building an organizational AI strategy.
- Connecting AI initiatives with business objectives.
- Identifying high-value AI opportunities.
- Generative AI and enterprise applications.
- Intelligent automation and process transformation.
- AI-supported customer experience and service innovation.
- AI for operational efficiency and productivity.
- Evaluating AI use cases and prioritizing investments.
- Developing business cases for AI initiatives.
- Measuring AI value, return, and organizational impact.

PRACTICAL APPLICATION

Develop and prioritize an AI opportunity portfolio.

DAY 03

Leading People & Workforce Transformation

- The impact of AI on jobs, roles, and organizational structures.
- Leading employees through AI-driven change.
- Managing fear, uncertainty, and resistance to AI.
- Building trust in AI-enabled working environments.
- Human-AI collaboration and augmented work.

DAY 03 — CONTINUED

- Identifying future skills and critical capabilities.
- Reskilling and upskilling strategies.
- Developing AI-aware leadership and talent pipelines.
- Maintaining employee engagement during transformation.
- Building a culture of learning, experimentation, and innovation.

PRACTICAL APPLICATION

Develop a workforce transformation plan for an AI-enabled organization.

DAY 04

Responsible AI, Governance & Leadership Risk

- Principles of responsible Artificial Intelligence.
- Ethical leadership in AI adoption.
- AI governance and organizational accountability.
- Data privacy, security, and responsible data use.
- Bias, fairness, transparency, and explainability.
- Managing AI-related operational and reputational risks.
- Human oversight of AI-supported decisions.
- Establishing AI policies, controls, and decision rights.
- Managing third-party AI solutions and technology providers.
- Building trust among employees, customers, and stakeholders.

PRACTICAL APPLICATION

Design a leadership framework for responsible AI governance and risk management.

DAY 05

Executing AI Transformation & Building the Future Organization

- Turning AI strategy into actionable transformation programs.
- Building an AI transformation roadmap.
- Defining priorities, resources, responsibilities, and milestones.
- Leading cross-functional AI initiatives.
- Scaling successful AI applications across the organization.
- Establishing AI performance indicators and executive dashboards.
- Building sustainable AI capabilities.
- Integrating AI into organizational culture and operating models.
- Developing continuous innovation and improvement mechanisms.
- Preparing the organization for future AI developments.
- Defining the leader's role in the next stage of AI transformation.

FINAL WORKSHOP

Develop a comprehensive AI Leadership Transformation Roadmap covering strategic priorities, AI use cases, workforce transformation, governance, responsible AI, risk management, performance indicators, implementation priorities, and leadership actions.

Register or Request More Information

Course page: <https://quest-training.com/courses/leadership-in-the-age-of-artificial-intelligence-training-course>

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