

Course No. 1771

Strategic Decision-Making in the AI Era Training Course

**STRATEGIC MANAGEMENT & CORPORATE STRATEGY
BUSINESS, MANAGEMENT & LEADERSHIP**

DURATION

5 Days

DELIVERY

Classroom



Course Overview

Strategic Decision-Making in the AI Era is an executive-focused training course designed to strengthen the ability of leaders and managers to make faster, smarter, and more evidence-based strategic decisions in an environment increasingly shaped by artificial intelligence, automation, advanced analytics, and rapidly changing business models.

The course explores how artificial intelligence is transforming traditional decision-making by enabling organizations to process large volumes of information, identify patterns, generate insights, forecast scenarios, and support complex strategic choices. Participants will learn how to combine AI-enabled insights with human judgment, business experience, and strategic thinking.

A strong emphasis is placed on evaluating the quality and reliability of AI-generated information, understanding bias and uncertainty, managing risks, and maintaining appropriate human oversight. Participants will also examine how AI can influence competitive positioning, resource allocation, innovation, customer strategy, operational performance, and organizational transformation.

Through practical case studies, strategic simulations, decision-making exercises, and AI-supported business scenarios, participants will develop a practical framework for integrating AI into executive decision-making while maintaining accountability, governance, and sound strategic judgment.

Objectives

- By the end of this course, participants will be able to:
- Understand how artificial intelligence is transforming strategic decision-making.
- Assess the opportunities and limitations of AI-supported decision-making.
- Integrate AI-generated insights with executive judgment and strategic thinking.
- Identify high-value strategic decisions that can benefit from AI capabilities.
- Evaluate the quality, reliability, relevance, and limitations of AI-generated information.
- Use data, analytics, and AI insights to strengthen strategic analysis.
- Apply AI-supported approaches to forecasting, scenario analysis, and strategic planning.
- Identify and manage bias, uncertainty, and potential errors in AI-supported decisions.
- Strengthen human oversight and accountability in AI-enabled decision processes.

- Evaluate the strategic implications of AI for business models, markets, customers, and operations.
- Improve decision speed while maintaining quality and risk awareness.
- Assess AI investments and prioritize initiatives based on strategic value.
- Strengthen governance and responsible use of AI in decision-making.
- Build organizational capabilities for AI-enabled strategic decision-making.
- Develop a practical AI-enabled strategic decision-making framework.

Who Should Attend

This course is designed for CEOs, executive directors, senior managers, department heads, business unit leaders, strategic planning professionals, and decision makers who are increasingly required to make complex decisions in data-rich and technology-driven environments.

It is particularly relevant to professionals working in strategy, digital transformation, artificial intelligence, data and analytics, innovation, operations, finance, risk management, business development, performance management, and organizational transformation.

The programme is suitable for government and public sector organizations, banks and financial institutions, oil and gas, energy, engineering, manufacturing, telecommunications, healthcare, and large corporations seeking to strengthen strategic decision-making through responsible and effective use of AI.

Learning Outcomes

- Upon successful completion of the course, participants will be able to:
- Explain the impact of AI on modern strategic decision-making.
- Identify strategic decisions where AI can create meaningful value.
- Evaluate AI-generated information before using it in executive decisions.
- Combine data-driven insights with human judgment and organizational experience.
- Use AI-supported analysis to identify trends, opportunities, and emerging risks.
- Apply AI to scenario planning, forecasting, and strategic alternatives analysis.
- Recognize bias, uncertainty, hallucinations, and limitations in AI-generated outputs.

- Establish appropriate human oversight and accountability mechanisms.
- Assess the strategic impact of AI on markets, customers, competitors, and business models.
- Prioritize AI opportunities according to business value, feasibility, risk, and strategic alignment.
- Improve decision-making speed without compromising governance and quality.
- Apply responsible AI principles to strategic and executive decisions.
- Develop stronger organizational capabilities for AI-enabled decision-making.
- Design practical governance mechanisms for AI-supported strategic decisions.
- Develop an integrated framework for AI-enabled strategic decision-making.

Course Outline

DAY 01

Strategic Decision-Making in the Age of AI

- The evolution of strategic decision-making
- How AI is changing executive decision processes
- From intuition-driven decisions to data- and AI-supported decisions
- Understanding artificial intelligence, machine learning, generative AI, and advanced analytics
- The role of human judgment in AI-enabled decision-making
- Identifying strategic decisions suitable for AI support
- AI opportunities across business functions
- The changing role of executives and managers in AI-driven organizations
- Balancing speed, insight, judgment, and accountability
- Strategic implications of AI adoption

PRACTICAL APPLICATION

Mapping organizational decisions and identifying high-value AI opportunities

DAY 02

AI, Data & Strategic Insight

- Turning organizational data into strategic intelligence
- Using AI to identify patterns, trends, and opportunities
- AI-supported market and competitive analysis
- Customer intelligence and behavioral insights
- AI-assisted forecasting and predictive analysis
- Scenario development and strategic alternatives
- Evaluating the quality and relevance of data
- Understanding AI-generated insights and their limitations
- Identifying bias, uncertainty, and misleading outputs
- Combining AI insights with human expertise

PRACTICAL APPLICATION

AI-supported strategic analysis and insight generation

DAY 03

Executive Judgment, Risk & Decision Quality

- The psychology of strategic decision-making
- Cognitive biases and decision-making traps
- AI bias and algorithmic limitations
- Managing uncertainty in AI-supported decisions
- Validating AI-generated information and recommendations
- Human-in-the-loop decision-making
- Defining executive accountability for AI-supported decisions
- Balancing opportunity, risk, cost, and strategic value
- Decision-making under pressure and incomplete information
- Building decision-quality frameworks

DAY 03 — CONTINUED

PRACTICAL APPLICATION

Strategic decision simulation using AI-generated scenarios and competing alternatives

DAY 04**AI Strategy, Governance & Responsible Decision-Making**

- Aligning AI adoption with organizational strategy
- Evaluating AI use cases and business value
- Prioritizing AI investments and initiatives
- AI governance and executive oversight
- Responsible and ethical AI decision-making
- Managing privacy, security, compliance, and reputational risks
- Establishing policies for AI-supported strategic decisions
- Defining roles, responsibilities, and decision rights
- Monitoring AI performance and strategic outcomes
- Building organizational trust in AI-enabled decision processes

PRACTICAL APPLICATION

Developing an AI governance and strategic decision framework

DAY 05**Building the AI-Enabled Decision-Making Organization**

- Designing an AI-enabled strategic decision-making model
- Integrating AI into strategic planning and performance management
- Building AI and data capabilities across leadership teams
- Creating a culture of evidence-based and AI-supported decision-making
- Managing organizational change associated with AI adoption
- Developing AI-enabled leadership capabilities
- Measuring decision quality, business impact, and value creation

DAY 05 — CONTINUED

- Scaling successful AI-supported decision practices
- Establishing continuous improvement mechanisms
- Preparing the organization for the next generation of AI capabilities
- Final Integrated Workshop: Developing an AI-Enabled Strategic Decision-Making Roadmap for the Organization

Register or Request More Information

Course page: <https://quest-training.com/courses/strategic-decision-making-in-the-ai-era-training-course>

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