MERCURY

AI Project Management in Strategic Planning and Execution

2 – 6 May 2027
Online



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Ref: 121706_1081007 **Date:** 2 – 6 May 2027 **Location:** Online **Fees:** 2900 Euro

Introduction

This AI Project Management in Strategic Planning and Execution course explores how artificial intelligence reshapes modern project management in strategic environments. It focuses on integrating AI tools into planning, execution, and performance monitoring. Participants will understand how data-driven systems improve decision-making accuracy. The program explains how AI enhances resource allocation and risk control. It highlights the role of intelligent automation in project lifecycle management. Learners will gain a structured understanding of AI project management in complex organizational settings.

Targeted Groups

This AI Project Management in Strategic Planning and Execution training targets professionals seeking knowledge and skills:

- Project managers working in digital transformation environments.
- Strategy planners aiming to integrate AI into operations.
- IT leaders managing AI-driven initiatives.
- Business analysts are involved in data-based planning.
- Consultants supporting organizational change programs.
- Team leaders handling complex project execution tasks.
- Government and private sector innovation units.

Course Objectives

Participants will achieve the following objectives by completing the AI Project Management in Strategic Planning and Execution course:

- Understand core concepts of AI project management and strategic planning frameworks.
- Apply AI tools to improve the efficiency of project scheduling and execution.
- Analyze data-driven insights for better decision-making in projects.
- Develop skills in managing AI-powered project lifecycles.
- Evaluate risk using predictive analytics and intelligent forecasting models.
- Integrate AI solutions into organizational project strategies.
- Enhance leadership capability in AI-driven project environments.
- Improve resource optimization using automated systems and tools.
- Understand governance models for the responsible execution of AI projects.
- Strengthen alignment between strategy and AI-based project outcomes.

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Targeted Competencies

Participants will gain the following competencies during the AI Project Management in Strategic Planning and Execution program:

- Ability to design AI-based project planning structures.
- Skill in using predictive analytics for project forecasting.
- Competence in managing AI-supported agile workflows.
- Capability to evaluate project performance using smart dashboards.
- Understanding of AI governance in project environments.
- Proficiency in optimizing resources through automation tools.
- Ability to improve execution accuracy with AI insights.

Studying Scenarios

In this AI Project Management in Strategic Planning and Execution training, participants develop skills through the following scenarios:

- Managing a digital transformation project using AI-based scheduling and real-time tracking systems.
- Applying predictive analytics to identify risks in large-scale strategic initiatives.
- Optimizing resource allocation in a multi-team project using AI decision support tools.
- Designing agile workflows supported by intelligent automation and performance monitoring systems.

Course Content

Unit 1: Foundations of AI Project Management

- Understanding AI project management principles in modern organizations.
- Exploring the role of AI in strategic planning and execution models.
- Identifying differences between traditional and AI-driven project systems.
- Learning key concepts of digital transformation project management.
- Examining data-driven decision-making in project environments.
- Overview of AI tools used in project lifecycle management.
- Introduction to intelligent automation in business projects.

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Unit 2: Strategic Planning with AI Systems

- Aligning AI technologies with organizational strategic goals.
- Building AI-supported strategic planning frameworks.
- Using data analytics for long-term project forecasting.
- Integrating AI models into planning and prioritization processes.
- Enhancing decision quality through predictive insights.
- Structuring digital transformation strategies with AI tools.
- Improving scenario planning using machine learning outputs.

Unit 3: AI in Project Execution and Control

- Managing project execution using AI-powered systems.
- Monitoring progress through intelligent dashboards and analytics.
- Automating workflow processes for improved efficiency.
- Enhancing task allocation using AI optimization tools.
- Applying real-time data tracking for performance control.
- Reducing execution risks through AI alerts and predictions.
- Improving coordination across distributed project teams.

Unit 4: Risk, Governance, and Performance Optimization

- Identifying project risks using predictive analytics models.
- Establishing AI governance frameworks for project control.
- Ensuring compliance in AI-based project environments.
- Evaluating project performance using intelligent KPIs.
- Managing uncertainty through data-driven risk forecasting.
- Enhancing accountability in AI-enabled project systems.
- Strengthening decision reliability with AI insights.

Unit 5: Agile AI Projects and Future Trends

- Applying agile methodologies in AI-driven project environments.
- Managing adaptive workflows with intelligent automation tools.
- Supporting continuous improvement through AI feedback loops.
- Exploring future trends in AI project management systems.
- Enhancing innovation through AI-based collaboration platforms.
- Integrating generative AI into project planning processes.
- Preparing organizations for advanced AI transformation strategies.

Final Insights & Key Takeaways

AI is redefining how organizations approach strategic planning and project execution through intelligent systems and automation. Mastering AI project management enhances efficiency, accuracy, and long-term organizational performance.