BLACKBIRD FOR TRAINING

Artificial Intelligence in Project Management

12 – 16 September 2027
Cairo (Egypt)

UK Traininig
PARTNER



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Artificial Intelligence in Project Management

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Introduction

This comprehensive training program explores how Artificial Intelligence AI is revolutionizing project management by improving decision-making, automating repetitive tasks, predicting project risks, and optimizing resource allocation.
Through practical demonstrations, case studies, and hands-on exercises, participants will learn how to integrate AI-driven tools, techniques, and applications across different phases of the project lifecycle — from planning and scheduling to execution and monitoring.
By leveraging AI in project management, attendees will discover how to enhance efficiency, accuracy, and success rates while addressing ethical and implementation challenges.

Course Objectives

By the end of this course, participants will be able to:

- Understand the fundamentals of Artificial Intelligence and its role in modern project management.
- Identify and evaluate AI tools and platforms for different project lifecycle stages.
- Apply AI-driven analytics for effective risk management and performance tracking.
- Automate project scheduling, reporting, and resource allocation using AI solutions.
- Use predictive modeling to forecast timelines, costs, and potential delays.
- Incorporate Natural Language Processing NLP and chatbots for project documentation and stakeholder communication.
- Recognize ethical considerations and biases in AI-driven decisions.
- Design a roadmap for implementing AI in organizational project workflows.

Course Outlines

Day 1: Introduction to AI in Project Management

- Overview of Artificial Intelligence and Machine Learning concepts.
- AI trends and their impact on project management practices.
- Mapping project lifecycle stages and identifying AI integration opportunities.
- Review of common AI tools and platforms for project management.
- Case studies of successful AI adoption in project environments.



Day 2: AI for Project Planning and Scheduling

- AI-powered project planning tools and methodologies.
- Automating scheduling and task allocation with AI.
- Using predictive analytics to improve project timelines.
- Forecasting and optimizing resource usage.
- Practical demo: Applying AI tools to Gantt charts and scheduling systems.

Day 3: AI for Risk Management and Decision-Making

- AI-driven strategies for identifying and mitigating project risks.
- Predictive modeling for preventing cost overruns and delays.
- Leveraging AI for scenario planning and “what-if” analysis.
- Data-driven decision-making with AI-powered dashboards.
- Hands-on session: AI tools for project risk assessment.

Day 4: AI in Project Execution and Monitoring

- Real-time project tracking using AI dashboards.
- Applying Natural Language Processing NLP for project documentation.
- Implementing AI chatbots for communication and stakeholder updates.
- Quality control and performance evaluation with AI solutions.
- Integrating AI with existing project management software MS Project, Jira, Primavera P6.

Day 5: Ethics, Implementation, and Future of AI in Projects

- Addressing ethical considerations and bias in AI decision-making.
- Challenges and limitations of AI in project environments.
- Developing an AI implementation roadmap for organizations.
- Exploring emerging AI trends in project management.
- Final exercise: Designing an AI-enabled project management plan.

Why Attend this Course: Wins & Losses!

- Master AI tools and applications for project lifecycle optimization.
- Improve decision-making accuracy through data-driven insights.
- Automate repetitive project management tasks, saving time and resources.
- Enhance project performance through predictive analytics and monitoring.
- Gain a competitive advantage in the evolving AI-driven business landscape.
- Acquire practical, hands-on experience with real AI software.



Conclusion

The Artificial Intelligence in Project Management course represents a strategic opportunity for anyone looking to stay ahead of the digital transformation curve and leverage the latest technological innovations in management. This program is not limited to providing theoretical knowledge about AI and its tools—it offers participants a fully immersive, hands-on experience through real-world applications and practical case studies.

Throughout this training, participants will discover how AI can revolutionize project management—starting from the planning phase, where predictive analytics determine deadlines and resource needs, to the execution stage with real-time performance tracking via intelligent dashboards, to risk management and data-driven decision-making, and finally to project completion with the highest quality standards.

The course also addresses the ethical aspects of AI applications, guiding participants to develop a comprehensive strategic vision for integrating these technologies into their work environments, while providing a practical roadmap for successful implementation. It equips participants to understand the potential limitations and challenges of AI, and to develop innovative solutions to overcome them.

Investing in this course is an investment in the future—it provides the tools and methods to become a leader capable of managing projects with greater efficiency, lower costs, and higher accuracy, while harnessing the power of AI to analyze data and make strategic decisions.

By the end of the course, participants will not only have the knowledge, but also the practical expertise to lead digital transformation initiatives within their organizations, achieving tangible results that align with the demands of a rapidly changing market. This is not just another training program—it is a gateway to a new level of professionalism in project management powered by Artificial Intelligence.

