AI in Project Management: Automate Tasks, Predict Risks & Boost Efficiency

31 Mar - 04 Apr 2026
Vienna

AGILE LEADERS
Training Center

AI in Project Management: Automate Tasks, Predict Risks & Boost Efficiency

Ref.: 103600379_55221 **Date:** 31 Mar - 04 Apr 2026 **Location:** Vienna **Fees:** 5700 **Euro**

Course Overview:

Amid rapid technological transformations, modern AI applications have become an inevitable step toward a more efficient and proactive future in project implementation. This course focuses on integrating AI tools into all phases of project management, from planning and scheduling to decision-making and risk prediction. Participants will learn how to use technologies such as machine learning, real-time data analysis, and process automation to improve implementation quality and resource utilization. The course also showcases real-world examples and practical applications, covering key topics such as AI tools for projects, dynamic scheduling, intelligent project management systems, and team interaction.

Target Audience:

- Project Managers and Program Managers
- Operations Managers and Technology Managers
- Data Analysts in Projects
- Project Management Systems Engineers
- Strategic Planning Consultants

Target Departments:

- Project Management Department
- Information Technology Department
- Digital Transformation Department
- Strategic Analysis Department
- Risk Management and Compliance

Target Sectors:

- Government Agencies and Similar Sectors
- Infrastructure and Transportation Sector
- Energy and Industry Sector
- Construction and Building Sector
- IT and Digital Transformation Sector

Course Offerings:

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

- Integrate AI tools into the project management lifecycle.
- Use dynamic scheduling and resource allocation using AI.
- Apply real-time data analysis techniques to accelerate decision-making.
- Predict and mitigate risks through intelligent forecasting models.
- Improve interaction and communication between work teams.
- Reduce errors and improve efficiency by automating routine tasks.

Training Methodology:

The course relies on a combination of interactive methods, including case studies from real projects, data analysis exercises using simulation tools, and group discussion sessions that enhance interaction and shared experience. A virtual project management simulation will also be used to apply participants' learning in a realistic environment. The methodology aims to enhance practical understanding of concepts such as dynamic scheduling, real-time data analysis, and risk prediction, supporting the translation of theoretical knowledge into real-world practices that enhance organizational performance. Course Tools:

- Case Studies from Saudi Projects
- Real-Time Data Analysis Worksheets
- Dynamic Timelines
- Mind Maps for AI-Powered Decision Making
- Risk Assessment Templates and Response Models

Course Agenda:

Day 1: AI Concepts in Project Management

- **Topic 1:** AI and Machine Learning Basics in the Project Environment
- **Topic 2:** The Role of AI Tools in Projects
- **Topic 3:** Big Data Applications in Planning and Decision Making
- **Topic 4:** Intelligent Project Management Systems
- **Topic 5:** AI in Improving Operational Efficiency
- **Topic 6:** User Experience in AI Projects
- **Review:** Analyzing Learning Points and Relating Them to Professional Application

Day 2: Intelligent Planning and Dynamic Scheduling

- **Topic 1:** Basic Concepts of Dynamic Planning
- **Topic 2:** Scheduling Using AI
- **Topic 3:** Intelligent Resource Allocation
- **Topic 4:** Advanced Scenario Analysis Tools
- **Topic 5:** Project Disruption Prediction and Proposed AI Solutions
- **Topic 6:** Integrated Planning Using Trello and AI
- **Review:** Planning Simulation Activity Real-Life Project

Day 3: Risk Management and Real-Time Data Analysis

- **Topic 1:** Introduction to Risk Foresight Using AI
- **Topic 2:** Real-Time Monitoring and Deviation Analysis Tools
- **Topic 3:** Proactive Risk Management
- **Topic 4:** Automating Risk Response Systems
- **Topic 5:** Decision Support Algorithms
- **Topic 6:** Intelligent Performance Indicators Assessment
- **Review:** Analytical Exercise Using Real Data

Day 4: Team Interaction and Intelligent Decision Making

- **Topic 1:** Analyzing Team Sentiments and Interaction Indicators
- **Topic 2:** Predicting the Need for Intervention in the Workplace
- **Topic 3:** Enhancing Internal Communication Using Data
- **Topic 4:** Using Pattern Analysis Tools in Organizational Behavior
- **Topic 5:** AI-Based Decision Support Systems
- **Topic 6:** Performance Monitoring and Resetting
- **Review:** A Model Application for Analyzing a Real-Life Project Team

Day 5: From Vision to Sustainable Implementation

- **Topic 1:** Automating Routine Processes and Increasing Efficiency
- **Topic 2:** Artificial Intelligence in Financial Forecasting and Control Budgets
- **Topic 3:** AI Tools for Reducing Costs and Improving Returns
- **Topic 4:** Enhancing Organizational Agility Using Adaptive Intelligence
- **Topic 5:** Challenges and Ethical Considerations in Using AI
- **Topic 6:** Measuring the Return on AI in Projects
- **Review:** Presenting Realistic Improvement Plans Using AI Technologies

FAQs:

What are the qualifications or requirements for participants before enrolling in the course?

There are no deep technical requirements, but participants should be familiar with project management concepts.

How long is the daily session, and what is the total number of course hours?

Each daily session lasts approximately 4-5 hours, with breaks and interactive activities. The total course duration extends over five days, totaling 20-25 hours.

What is the difference between real-time data analysis and traditional data analysis?

Real-time data relies on real-time monitoring and analysis to make immediate decisions, while traditional data is analyzed after it is collected, leading to delayed response times.

How does this course differ from other courses?

What distinguishes this course is its comprehensive, applied focus on artificial intelligence as an operational and strategic tool in project management. Unlike theoretical or general courses, this course presents real-life Saudi case studies, enhancing practical understanding of the technologies used. The course also features an interactive methodology, including simulations, applied projects, and real-time data analysis exercises.

Training Course Categories

Finance and Accounting Training Courses

Agile PM and Project Management Training Courses

Certified Courses By International Bodies

Communication and Public Relations Training Courses

Data Analytics Training and Data Science Courses

Environment & Sustainability Training Courses

Governance, Risk and Compliance Training Courses

Human Resources Training and Development Courses

IT Security Training & IT Training Courses

Leadership and Management Training Courses

Legal Training, Procurement and Contracting Courses

Maintenance Training and Engineering Training Courses

Training Course Categories

Marketing, Customer Relations, and Sales Courses

Occupational Health, Safety and Security Training Courses

Oil & Gas Training and Other Technical Courses

Personal & Self-Development Training Courses

Quality and Operations Management Training Courses

Secretarial and Administration Training Courses

Training Cities

Accra - Ghana

Amman - Jordan

Amsterdam - Netherlands

Athens - Greece

Baku - Azerbaijan

Bali - Indonesia

Bangkok - Thailand

Barcelona - Spain

Cairo - Egypt

Cape town - South Africa

Casablanca - Morocco

Chicago - USA

Doha - Qatar

Dubai - UAE

Geneva - Switzerland

Istanbul - Turkey

Training Cities

Jakarta - Indonesia

Johannesburg - South Africa

Kuala Lumpur - Malaysia

Kuwait - Kuwait

Langkawi - Malaysia

London - UK

Madrid - Spain

Manama - Bahrain

Milan - Italy

Montreux - Switzerland

Munich - Germany

Muscat - Oman

Nairobi - Kenya

Paris - France

Phuket - Thailand

Prague - Czech Republic

Training Cities

Rome - Italy

San Diego - USA

Sharm El-Sheikh - Egypt

Tbilisi - Georgia

Tokyo - Japan

Trabzon - Turkey

Vienna - Austria

Zanzibar - Tanzania

Zoom - Online Training

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.

AGILE LEADERS
Training Center

CONTACT US

UAE, Dubai Investment Park First

+971585964727
+447700176600

sales@agile4training.com