

COURSE OVERVIEW PM0055

AI in Project Management – Using AI Tools for Risk Assessment & Automation

Course Title

AI in Project Management – Using AI Tools for Risk Assessment & Automation

Course Date/Venue

Session 1: May 04-08, 2025/Tamra Meeting Room, Al Bandar Rotana Creek, Dubai UAE

Session 2: August 18-22, 2025/Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE



Course Reference

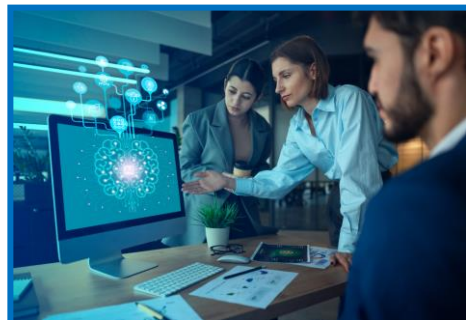
PM0055

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



Course Objectives



This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.



This course is designed to provide participants with a detailed and up-to-date overview of AI in Project Management – Using AI Tools for Risk Assessment & Automation. It covers the role of AI in project management and the differences between traditional and AI-enhanced project management; how AI is transforming project workflows and its impact on agile, waterfall and hybrid methodologies; and the AI-powered data analytics in project planning, task management, automation including collaboration and communication.



Further, the course will also discuss the financial, operational and compliance risks with AI and predictive risk assessment, dynamic risk mitigation strategies, compliance and regulatory risk management; the AI for stakeholder sentiment analysis, change impact assessments, adaptive risk communication strategies and managing resistance to change; and the project documentation with AI, task prioritization, sequencing and workflow automation in agile projects.

During this interactive course, participants will learn to optimize the team productivity, predictive workforce planning and smart budget allocation; evaluating multiple project scenarios and dynamic decision adjustments, trade-off analysis in project constraints, smart scheduling and AI-based time tracking and forecasting; the project milestone success, performance gaps and continuous improvement strategies; the AI for budget forecasting and cost estimation, expense monitoring, fraud detection and procurement and vendor management; the project financial feasibility, return on investment (ROI) forecasting and long-term financial strategy planning; the project financial risks and how AI is reshaping project management roles; enhancing leadership decision-making and AI-driven team collaboration; the ethical considerations in AI project management, agile and lean project management and cross-industry project management; and the implementation of AI in enterprise-level project management.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain a comprehensive knowledge on artificial intelligence in project management
- Define the role of AI in project management and the differences between traditional and AI-enhanced project management
- Discuss how AI is transforming project workflows and its impact on agile, waterfall and hybrid methodologies
- Apply AI-powered data analytics in project planning, task management and automation including collaboration and communication
- Identify financial, operational and compliance risks with AI and apply predictive risk assessment, dynamic risk mitigation strategies and compliance and regulatory risk management
- Carryout AI for stakeholder sentiment analysis, change impact assessments, adaptive risk communication strategies and managing resistance to change
- Automate project documentation with AI and apply task prioritization, sequencing and workflow automation in agile projects
- Optimize team productivity and apply predictive workforce planning and smart budget allocation
- Evaluate multiple project scenarios and apply dynamic decision adjustments, trade-off analysis in project constraints, smart scheduling and AI-based time tracking and forecasting
- Measure project milestone success, identify performance gaps and apply continuous improvement strategies
- Employ AI for budget forecasting and cost estimation, expense monitoring, fraud detection and procurement and vendor management
- Evaluate project financial feasibility and apply return on investment (ROI) forecasting and long-term financial strategy planning

- Manage project financial risks through detecting financial fraud, predictive cost overrun analysis, continuous cost optimization and real-time financial performance analysis
- Discuss how AI is reshaping project management roles, enhance leadership decision-making and apply AI-driven team collaboration
- Carryout ethical considerations in AI project management, agile and lean project management, cross-industry project management and implementing AI in enterprise-level project management

Exclusive Smart Training Kit - H-STK®



*Participants of this course will receive the exclusive “Haward Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of artificial intelligence in project management – using AI tools for risk assessment and automation for technical professionals, project managers, IT managers and technical leads, operations managers, executives and senior leadership, project team members and other technical staff.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Fee

US\$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours

Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council for Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

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The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Dr. Chris Le Roux, PhD, MSc, BSc, PMI-PMP, PMI-CAPM is a **Senior Project & Management Consultant** with over **45 years** of teaching, training and industrial experience. His expertise lies extensively in the areas of **Project & Contracts Management Skills, Project & Construction Management, Project Planning, Scheduling & Control, Project Management, Project Delivery & Governance Framework, Project Management Practices, Project Management Disciplines, Project Risk Management, Risk Identification Tools & Techniques, Project Life Cycle, Project Stakeholder & Governance, Project Management Processes, Project Integration Management, Project Management Plan, Project Work Monitoring & Control, Project Scope Management, Project Time Management, Project Cost Management, Project Quality Management, Quality Assurance, Project Human Resource Management, Project Communications Management, Contract Management, Tender Development, Contract Standards & Laws, Dispute Resolution & Risk Identification, Myers-Briggs Type Indicator (MBTI), Organization Development Consultation, Advanced Debriefing of Emotional Trauma, Interpersonal Motivation, Model Based Interviewing, Leadership Orientation Programme, Coaching & Motivation, Creative Thinking & Problem-Solving Techniques, Emotional Intelligence, Presentation Skills, Communication & Interpersonal Skills, Effective Communication & Influencing Skills, Effective Business Writing Skills, Writing Business Documents, Business Writing (Memo & Report Writing), Leadership & Team Building, Psychology of Leadership, Interpersonal Skills & Teamwork, Coaching & Mentoring, Innovation & Creativity, Office Management & Administration Skills, Controlling Your Time & Managing Stress, Crisis Management, Strategic Human Resources Management, Change Management, Negotiation Skills, Strategic Planning, Risk Analysis & Risk Management, Global Diverse & Virtual Teams Operation, Exceeding Customer Expectations, Corporate Governance Best Practice, Business Performance Management & Improvement, Building Environment of Trust & Commitment, Win-Win Negotiation Strategies, Quality Improvement & Resource Optimization, Neuro Linguistic Programming (NLP), Personal Resilience Developing, Effective Role Modelling & Development, Managing Dynamic Work Environments, Organizational Development, Career Management, Situation & Behaviour Analysis, Interpersonal Motivation Skills, Inventory Management and Financial Administration. Further, he is also well-versed in Water Supply System Security, Vulnerability & Terrorism, Integrated Security Systems, Incident Threat Characterization & Analysis, Physical Security Systems, Security Crisis, Security Emergency Plan, Command & Control System, Preventive Actions and Situation Analysis. He was the **Psychologist & Project Manager** wherein he was responsible in the project management and private psychology practices.**

During his career life, Dr. Le Roux has gained his academic and field experience through his various significant positions and dedication as the **Director, Medico Legal Assessor Psychologist, Training & Development General Manager, Project Manager, Account Manager, Commercial Sales Manager, Manager, Sales Engineer, Project Specialist, Psychology Practitioner, Senior HR Consultant, Senior Lecturer, Senior Consultant/Trainer, Business Consultant, Assistant Chief Education Specialist, ASI Coordinator, Part-time Lecturer/Trainer, PMP & Scrum Trainer, Assessor & Moderator, Team Leader, Departmental Head, Technical Instructor/Qualifying Technician, Apprentice Electrician: Signals and Part-Time Electrician** from various companies and universities such as the South African Railway (SAR), Department of Education & Culture, **ESKOM**, Logistic Technologies (Pty. Ltd), Human Development: Consulting Psychologies (HDCP) & IFS, Mincon, Eagle Support Africa, Sprout Consulting, UKZN, Grey Campus, Classis Seminars, CBM Training, just to name a few.

Dr. Le Roux has a **PhD in Commerce Major in Leadership in Performance & Change**, a **Master's** degree in **Human Resource Management**, a **Bachelor's** degree (with Honours) in **Industrial Psychology**, a National Higher Diploma and a National Technical Diploma in **Electrical & Mechanical Engineering**. Further, he is a **Certified Project Management Professional (PMI-PMP)**, a **Certified Associate in Project Management (PMI-CAPM)**, a **Certified Scrum Master Trainer** by the VMedu, a **Certified Instructor/Trainer** and a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM)**. Moreover, he is a **Registered Industrial Psychologist** by the Health Professions Council of South Africa (HPCSA), a **Registered Educator** by the South African Council for Educators (SACE) and a **Registered Facilitator, Assessor & Moderator** with Education, Training and Development Practices (ETDP) SETA. He has further delivered numerous trainings, courses, seminars, conferences and workshops globally.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	Understanding AI in Project Management Overview of AI & Its Role in Project Management • Differences Between Traditional & AI-Enhanced Project Management • Key AI Technologies (Machine Learning, NLP, Automation, Predictive Analytics) • Benefits & Challenges of AI in Project Execution
0930 – 0945	Break
0945 – 1040	AI & the Future of Project Management How AI Is Transforming Project Workflows • AI's Impact on Agile, Waterfall & Hybrid Methodologies • AI-Powered Decision-Making in Project Management • Case Studies of AI in Successful Project Execution
1040 – 1135	AI-Powered Data Analytics in Project Planning Understanding Data-Driven Project Planning • Using AI for Project Timeline Estimation • AI for Resource Allocation Optimization • Predictive Analytics for Scope & Budget Planning
1135 – 1230	AI in Task Management & Automation AI-Based Task Prioritization & Delegation • Intelligent Workload Distribution Using AI • AI for Monitoring Team Productivity • Automating Repetitive Tasks in Project Execution
1230 – 1245	Break
1245 – 1335	AI-Powered Collaboration & Communication AI-Powered Virtual Assistants for Project Updates • AI Chatbots for Team Collaboration • AI for Scheduling & Meeting Coordination • AI in Document & Knowledge Management
1335 – 1420	Hands-On: AI Tools for Project Planning Exploring AI-Powered Project Management Software (Asana, ClickUp, Trello) • AI-Based Scheduling & Task Assignments • Data Analytics for Project Timeline Predictions • AI Chatbots for Real-Time Project Assistance
1420 – 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day One

Day 2

0730 – 0830	AI for Risk Identification in Projects How AI Detects Potential Risks in Projects • AI in Historical Risk Analysis • Identifying Financial, Operational & Compliance Risks with AI • AI's Role in Predicting Future Project Challenges
0830 – 0900	AI-Powered Predictive Risk Assessment Machine Learning for Risk Probability Analysis • AI for Forecasting Project Delays & Cost Overruns • AI-Driven Early Warning Systems • Case Study: AI in Proactive Risk Mitigation

0900 – 0915	Break
0915 – 1100	AI for Dynamic Risk Mitigation Strategies AI for Real-Time Risk Monitoring • AI-Driven Risk Response Recommendations • AI for Optimizing Contingency Planning • AI-Powered Decision Support for Crisis Management
1100 – 1230	AI in Compliance & Regulatory Risk Management AI in Legal & Compliance Risk Detection • AI-Based Fraud Prevention in Projects • AI in Managing Cybersecurity Risks in Project Data • AI-Powered Governance & Compliance Reporting
1230 – 1245	Break
1245 – 1335	AI in Change Management & Risk Communication AI for Stakeholder Sentiment Analysis • AI-Driven Change Impact Assessments • AI for Adaptive Risk Communication Strategies • AI Tools for Managing Resistance to Change
1335 – 1420	Hands-On: Implementing AI in Risk Management Using AI Tools for Risk Assessment (IBM Watson, RiskLens) • AI-Based Scenario Planning for Risk Responses • Training AI Models to Identify Project Risks • Visualizing AI Risk Reports in Project Dashboards
1420 – 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day Two

Day 3

0730 – 0830	Intelligent Workflow Automation in Projects Automating Project Documentation with AI • AI for Task Prioritization & Sequencing • AI-Driven Workflow Automation in Agile Projects • Case Study: AI in Reducing Project Bottlenecks
0830 – 0900	AI in Resource Management & Optimization AI for Optimizing Team Productivity • AI-Based Skills Matching for Task Assignments • AI in Predictive Workforce Planning • AI in Smart Budget Allocation
0900 – 0915	Break
0915 – 1100	AI-Powered Decision-Making in Project Execution AI in Evaluating Multiple Project Scenarios • AI for Dynamic Decision Adjustments • AI for Trade-Off Analysis in Project Constraints • AI-Powered Decision Dashboards
1100 – 1230	AI in Intelligent Time Management AI for Meeting & Deadline Predictions • AI-Powered Smart Scheduling • AI-Based Time Tracking & Forecasting • Case Study: AI in Reducing Project Time Slippages
1230 – 1245	Break
1245 – 1335	AI in Project Performance Tracking & KPI Management AI for Measuring Project Milestone Success • AI-Powered Real-Time Project Analytics • AI in Identifying Performance Gaps • AI in Continuous Improvement Strategies



1335 - 1420	Hands-On: AI for Task Automation AI-Powered Project Automation in Jira & Monday.com • AI-Based Resource Allocation Simulations • Using AI Chatbots for Task Management • AI-Driven Predictive Time Estimation
1420 - 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day Three

Day 4

0730 - 0830	AI for Budget Forecasting & Cost Estimation AI in Predicting Budget Requirements • AI for Identifying Cost Savings • AI-Based Financial Risk Management • AI-Powered Cost Allocation Optimization
0830 - 0930	AI-Powered Expense Monitoring & Fraud Detection AI in Real-Time Expense Monitoring • AI for Detecting Budget Anomalies • AI-Based Financial Compliance Checks • Case Study: AI in Project Cost Control
0930 - 0945	Break
0945 - 1100	AI in Procurement & Vendor Management AI in Supplier Selection & Evaluation • AI-Powered Procurement Risk Analysis • AI-Based Contract & Invoice Automation • Case Study: AI in Vendor Negotiations
1100 - 1215	AI in ROI Prediction & Project Financial Decision-Making AI for Evaluating Project Financial Feasibility • AI in Return on Investment (ROI) Forecasting • AI-Powered Financial Scenario Simulations • AI in Long-Term Financial Strategy Planning
1215 - 1230	Break
1245 - 1335	AI in Managing Project Financial Risks AI in Detecting Financial Fraud • AI-Powered Predictive Cost Overrun Analysis • AI for Continuous Cost Optimization • AI for Real-Time Financial Performance Analysis
1335 - 1420	Hands-On: AI Tools for Financial Management AI-Based Budgeting Tools (Anaplan, Adaptive Insights) • Using AI for Expense Forecasting • AI in Financial Risk Monitoring Dashboards • AI for Automated Invoice Processing
1420 - 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day Four

Day 5

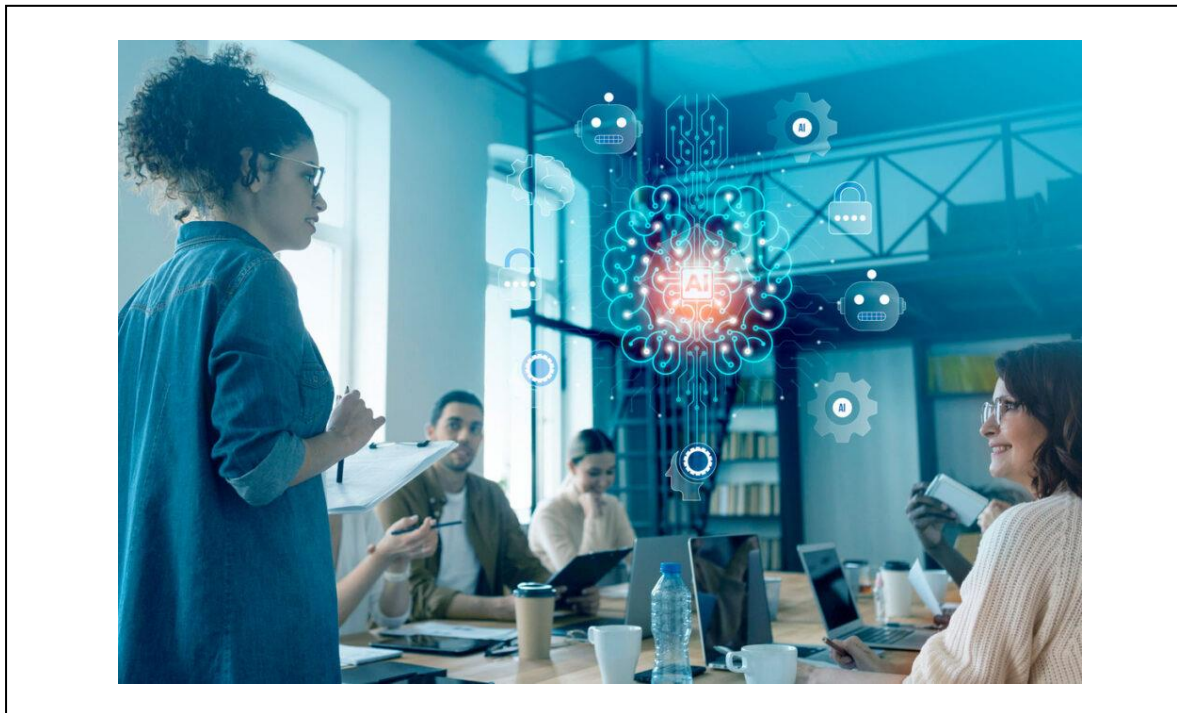
0730 - 0830	The Future of AI in Project Leadership How AI Is Reshaping Project Management Roles • AI in Enhancing Leadership Decision-Making • AI for AI-Driven Team Collaboration • Preparing for the Future of AI in Project Management
0830 - 0930	Ethical Considerations in AI Project Management AI Bias in Project Decision-Making • AI & Data Privacy Compliance • Ensuring AI Transparency in Project Automation • Ethical AI Usage in Project Risk Management



0930 – 0945	Break
0945 – 1100	AI-Powered Agile & Lean Project Management AI in Agile Sprint Planning • AI for Kanban Board Optimization • AI in Reducing Lean Project Waste • Case Study: AI in Agile Transformation
1100 – 1215	AI in Cross-Industry Project Management AI in Construction & Infrastructure Projects • AI in IT & Software Development • AI in Healthcare & Pharmaceutical Project Management • AI in Government & Public Sector Projects
1215 – 1230	Break
1230 – 1345	Implementing AI in Enterprise-Level Project Management AI for Scaling Large-Scale Projects • AI in Enterprise Project Portfolio Management • AI-Powered Global Project Collaboration • AI in Project Risk Mitigation Across Business Units
1345 – 1400	Course Conclusion Using this Course Overview, the Instructor(s) will Brief Participants about Topics that were Covered During the Course
1400 – 1415	POST-TEST
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-



Course Coordinator

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