



COURSE OVERVIEW PM0156 **Artificial Intelligence (AI) in Project Management**

Course Title

Artificial Intelligence (AI) in Project Management

Course Date/Venue

Session 1: July 06-10, 2025/Tamra Meeting Room, AI Bandar Rotana Creek, Dubai, UAE

Session 2: September 28-October 02, 2025/ Meeting Plus 9, City Centre Rotana, Doha, Qatar

Course Reference

PM0156

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs

Course Description



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

This course is designed to provide delegates with a detailed and up-to-date overview on the Applications of Artificial Intelligence (AI) in Project Management. It covers the key concepts and terminologies in artificial intelligence (AI); the role of AI tools in modern project management; and the popular AI tools and software used in project management; and the features and functionalities and how AI can enhance project planning and scheduling.



Further, the course will also discuss the predictive analytics for risk assessment and management; the real-time monitoring and control using AI; enhancing quality control and assurance with AI; the team communication and collaboration with AI tools; the predictive and prescriptive analytics in project management; automating document management and workflows with AI; and the machine learning models for project predictions.



During this interactive course, participants will learn the use of AI for budget forecasting and financial analysis; the cost control and financial risk management with AI; the ethical implications of using AI for project management and legal aspects and compliance requirements; the emerging trends and technologies in AI for project management; and integrating AI into your project management processes.

Course Objectives

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

- Apply and gain a good working knowledge on applications of artificial intelligence (AI) in project management
- Discuss the key concepts and terminologies in Artificial Intelligence (AI)
- Define the role of AI in modern project management and identify the popular AI tools and software used in project management including their features and functionalities
- Explain how AI can enhance project planning and scheduling and use AI for efficient resource allocation and optimization
- Identify and mitigate risks with AI and apply predictive analytics for risk assessment and management
- Apply real-time monitoring and control using AI and enhance quality control and assurance with AI
- Improve team communication and collaboration with AI tools and apply predictive and prescriptive analytics in project management
- Automate document management and workflows with AI and implement machine learning models for project predictions
- Use AI for budget forecasting and financial analysis as well as apply cost control and financial risk management with AI
- Discuss ethical implications of using AI for project management and legal aspects and compliance requirements
- Recognize the emerging trends and technologies in AI for project management and integrate AI into your project management processes

Who Should Attend

This course provides an overview of all significant aspects and considerations of applications of artificial intelligence (AI) project management for project managers, team leaders, business analysts, data analysts, executives and stakeholders, quality assurance professionals, operations and a maintenance staffs and consultants and advisors.

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**.*

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

Haward's 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**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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.

Accommodation

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



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 **30 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.

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.

Course Fees

Dubai	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.
Doha	US\$ 6,000 per Delegate. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

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	<i>Registration & Coffee</i>
0800 – 0815	<i>Welcome & Introduction</i>
0815 – 0830	PRE-TEST
0830 - 0930	<i>Introduction to Artificial Intelligence</i> <i>Overview of AI and its Evolution • Key Concepts & Terminologies in AI</i>
0930 – 0945	<i>Break</i>
0945 -1130	<i>AI in Project Management: An Overview</i> <i>The Role of AI in Modern Project Management • Benefits & Challenges of Integrating AI into Project Management</i>
1130 – 1230	<i>AI Tools & Technologies</i> <i>Overview of Popular AI Tools & Software Used in Project Management • Features & Functionalities of these Tools</i>
1230 - 1245	<i>Break</i>
1330 – 1420	<i>AI for Project Planning & Scheduling</i> <i>How AI can Enhance Project Planning & Scheduling • Case studies & Examples of AI-Driven Project Plans</i>
1420 – 1430	<i>Recap</i> <i>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</i>
1430	<i>Lunch & End of Day One</i>



Day 2

0730 - 0930	Resource Allocation & Optimization Using AI for Efficient Resource Allocation & Optimization
0930 - 0945	Break
0945 - 1100	Resource Allocation & Optimization (cont'd) Techniques & Algorithms for Resource Management
1100 - 1230	AI for Risk Management Identifying & Mitigating Risks with AI
1230 - 1245	Break
1245 - 1420	AI for Risk Management (cont'd) Predictive Analytics for Risk Assessment & Management
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 - 0930	AI in Monitoring & Controlling Projects Real-Time Monitoring & Control Using AI • AI-Driven Dashboards & Performance Metrics
0930 - 0945	Break
0945 - 1100	AI for Quality Management Enhancing Quality Control & Assurance with AI • Automated Inspection & Defect Detection
1100 - 1230	AI for Communication & Collaboration Improving Team Communication & Collaboration with AI Tools • AI Chatbots & Virtual Assistants in Project Management
1230 - 1245	Break
1245 - 1420	AI for Data Analysis & Decision Making Leveraging AI for Data-Driven Decision Making • Predictive & Prescriptive Analytics in Project Management
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 4

0730 - 0930	AI in Document Management Automating Document Management & Workflows with AI • Natural Language Processing for Document Analysis
0930 - 0945	Break
0945 - 1100	Case Studies & Real-World Applications In-depth Analysis of Successful AI Applications in Project Management • Lessons Learned & Best Practices
1100 - 1230	Machine Learning in Project Management Introduction to Machine Learning & its Applications in Project Management • Implementing Machine Learning Models for Project Predictions
1230 - 1245	Break

1245 – 1420	AI for Financial Management Using AI for Budget Forecasting & Financial Analysis • Cost Control & Financial Risk Management with AI
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 5

0730 – 0930	Ethical & Legal Considerations Ethical Implications of using AI in Project Management • Legal Aspects & Compliance Requirements
0930 – 0945	Break
0945 – 1030	Future Trends in AI & Project Management Emerging Trends & Technologies in AI for Project Management • Preparing for the Future of AI in Project Management
1030 – 1230	Implementing AI in Your Organization Steps to Integrate AI into your Project Management Processes • Change Management & Training for AI Adoption
1230 – 1245	Break
1245 - 1345	Interactive Workshop & Q&A Session Hands-on Workshop on Using AI Tools • Interactive Q&A Session to Address Specific Questions & Concerns
1345 – 1400	Course Conclusion Using this Course Overview, the Instructor(s) will Brief Participants about the Course 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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