



COURSE OVERVIEW PM0163
Innovative Project Management Benefits Realization
(Artificial Intelligence in Project Management)

Course Title

Innovative Project Management Benefits Realization
(Artificial Intelligence in Project Management)

Course Date/Venue

November 17-21, 2024/Boardroom 1, Elite Byblos
Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

Course Reference

PM0163

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



Course Description



This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using our state-of-the-art simulators.



This course is designed to provide participants with a detailed and up-to-date overview of Innovative Project Management Benefits Realization (Artificial Intelligence in Project Management). It covers the modern project management; the evolution of project management methodologies; the importance of benefits realization in project management; the artificial intelligence (AI) and its relevance in project management; the key AI technologies transforming project management; the role of AI including the AI-driven project management tools; and the key features and functionalities relevant to power sector project.



Further, the course will also discuss the AI in decision making; the potential challenges in adapting AI in project management; the strategies to overcome challenges and maximize AI opportunities; the AI tools for task allocation and resource management; identifying and mitigating risks using AI; the AI-based scheduling tools, real time monitoring and adjustment of project schedule using AI; optimizing resource allocation and utilization; and the impact of AI on cost efficiency in power sector projects.



During this interactive course, participants will learn to enhance communication of AI and managing stakeholder assessment and expectations; the project execution through AI automation; the role of AI to ensure quality and compliance in project activities; the real-time monitoring, data collection and analysis using AI during execution; the adaptive project management strategies enabled by AI and continuous improvement process driven by AI insight; managing and adapting to project changes; the impact of changes using AI models; the project reporting with AI and enhance accuracy and transparency in project documentation; using AI to identify potential benefits in project outcomes and techniques for aligning project deliverables with organizational goals; the AI methods for tracking benefits realization throughout the project lifecycle; measuring the effectiveness of AI driven benefits realization; the AI in post- project evaluation, project performance metrics and customizing reports for stakeholders; the emerging trend in AI for project management; the strategic AI implementation and organizational change management; and the ethical considerations in AI driven project management.

Course Objectives

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

- Apply and gain an in-depth knowledge on innovative project management benefits realization (artificial intelligence in project management)
- Discuss modern project management covering the evolution of project management methodologies and the importance of benefits realization in project management
- Define artificial intelligence AI and its relevance in project management and key AI technologies transforming project management
- Recognize the role of AI including the AI-driven project management tools and the key features and functionalities relevant to power sector project
- Apply AI in decision making and identify the potential challenges in adapting AI in project management and strategies to overcome challenges and maximize AI opportunities
- Apply AI tools for task allocation and resource management as well as identify and mitigate risks using AI
- Carryout AI-based scheduling tools, real time monitoring and adjustment of project schedule using AI
- Optimize resource allocation and utilization and discuss the impact of AI on cost efficiency in power sector projects
- Use AI to enhance communication and managing stakeholder assessment and expectations
- Enhance project execution through AI automation and identify the role of AI to ensure quality and compliance in project activities
- Apply real-time monitoring, data collection and analysis using AI during execution
- Discuss adaptive project management strategies enabled by AI and continuous improvement process driven by AI insight

- Define AI's roles in managing and adapting to project changes and predict the impact of changes using AI models
- Automate project reporting with AI and enhance accuracy and transparency in project documentation
- Use AI to identify potential benefits in project outcomes and techniques for aligning project deliverables with organizational goals
- Apply AI methods for tracking benefits realization throughout the project lifecycle and measuring the effectiveness of AI driven benefits realization
- Employ AI in post- project evaluation, project performance metrics and customizing reports for stakeholders
- Discuss the emerging trend in AI for project management and apply strategic AI implementation, organizational change management and ethical considerations in AI driven 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, sample video clips of the instructor’s actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of innovative project management benefits realization (artificial intelligence in project management) for project managers, program managers, business analysts, executives and senior managers, consultants, change management professionals and technology specialists

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 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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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.

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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.

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 **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: Sunday, 10th of November 2024

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	Overview of Modern Project Management Practices Evolution of Project Management Methodologies • Importance of Benefits Realization in Project Management
0930 – 0945	Break
0945 – 1045	Introduction to Artificial Intelligence in Project Management Defining AI & its Relevance in Project Management • Key AI Technologies Transforming Project Management
1045 – 1145	The Role of AI in Benefits Realization How AI can Enhance the Identification & Realization of Project Benefits • Case Studies of AI Implementation in Benefits Realization
1145 – 1230	AI-Driven Project Management Tools Overview of Popular AI-Driven Project Management Tools • Key Features & Functionalities Relevant to Power Sector Projects
1230 – 1245	Break
1245 – 1330	AI in Decision Making Leveraging AI for Data-Driven Decision Making in Projects • Predictive Analytics & its Impact on Project Outcomes
1330 – 1420	Challenges & Opportunities of AI in Project Management Potential Challenges in Adopting AI in Project Management • Strategies to Overcome Challenges & Maximize AI Opportunities
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2: Monday, 11th of November 2024

0730 – 0830	AI for Enhanced Project Planning How AI can Streamline Project Planning Processes • AI Tools for Task Allocation & Resource Management
0830 – 0930	AI-Driven Risk Management Identifying & Mitigating Risks Using AI • Predictive Risk Modeling & AI’s Role in Proactive Risk Management
0930 – 0945	Break
0945 – 1100	AI in Time Management & Scheduling AI-Based Scheduling Tools & their Application in Large Projects • Real-Time Monitoring & Adjustment of Project Schedules Using AI
1100 – 1230S	Resource Optimization through AI AI Techniques for Optimizing Resource Allocation & Utilization • Impact of AI on Cost Efficiency in Power Sector Projects
1230 – 1245	Break





1245 – 1330	AI-Enhanced Communication & Collaboration Using AI for Improved Communication within Project Teams • AI Tools for Managing Stakeholder Engagement & Expectations
1330 – 1420	Case Studies: AI in Project Planning & Risk Management Review of Successful AI-Driven Project Management Initiatives • Lessons Learned from AI Implementations in the Power Sector
1420 – 1430	Recap
1430	Lunch & End of Day Two

Day 3: Tuesday, 12th of November 2024

0730 – 0830	AI for Project Execution Efficiency Enhancing Project Execution through AI Automation • Role of AI in Ensuring Quality & Compliance in Project Activities
0830 – 0930	Real-Time Monitoring with AI AI Tools for Real-Time Monitoring of Project Progress • Data Collection & Analysis Using AI during Project Execution
0930 – 0945	Break
0945 – 1100	AI & Adaptive Project Management Adaptive Project Management Strategies Enabled by AI • Continuous Improvement Processes Driven by AI Insights
1100 – 1230	AI in Managing Project Change AI's Role in Managing & Adapting to Project Changes • Predicting the Impact of Changes Using AI Models
1230 – 1245	Break
1245 – 1330	AI-Powered Reporting & Documentation Automating Project Reporting with AI • Enhancing Accuracy & Transparency in Project Documentation
1330 – 1420	Practical Exercises: Implementing AI in Project Execution Hands-On Exercises Using AI Tools for Project Execution • Scenario Analysis & Role-Play Activities
1420 – 1430	Recap
1430	Lunch & End of Day Three

Day 4: Wednesday, 13th of November 2024

0730 – 0830	AI for Benefits Identification Using AI to Identify Potential Benefits in Project Outcomes • Techniques for Aligning Project Deliverables with Organizational Goals
0830 – 0930	Benefits Tracking & Measurement with AI AI Methods for Tracking Benefits Realization Throughout the Project Lifecycle • Measuring the Effectiveness of AI-Driven Benefits Realization
0930 – 0945	Break
0945 – 1100	AI in Post-Project Evaluation Conducting Post-Project Evaluations with AI Insights • Continuous Improvement & Feedback Loops Enabled by AI
1100 – 1230S	AI & Project Performance Metrics Identifying Key Performance Indicators (KPIs) with AI • Real-Time Performance Tracking & Analysis Using AI
1230 – 1245	Break





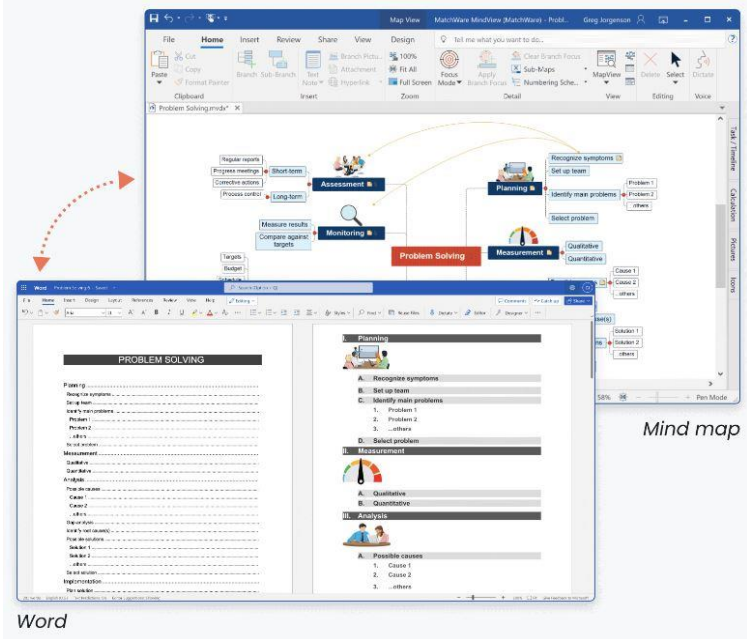
1245 – 1330	AI-Enhanced Reporting for Stakeholders <i>Customizing Reports for Stakeholders Using AI • Enhancing Stakeholder Satisfaction with AI-Driven Insights</i>
1330 – 1420	Case Studies: AI in Benefits Realization <i>Analysis of Projects with Successful AI-Driven Benefits Realization • Key Takeaways & Best Practices</i>
1420 – 1430	Recap
1430	<i>Lunch & End of Day Four</i>

Day 5: Thursday, 14th of November 2024

0730 – 0830	Emerging Trends in AI for Project Management <i>Overview of the Latest AI Innovations in Project Management • Future Possibilities for AI in the Power Sector</i>
0830 – 0930	Strategic AI Implementation <i>Developing a Strategy for AI Adoption in Project Management • Aligning AI Initiatives with Organizational Objectives</i>
0930 – 0945	<i>Break</i>
0945 – 1100	AI & Organizational Change Management <i>Managing the Organizational Changes Required for AI Adoption • Overcoming Resistance & Building a Culture of Innovation</i>
1100 – 1215	Ethical Considerations in AI-Driven Project Management <i>Addressing Ethical Concerns Related to AI in Project Management • Ensuring Responsible & Fair Use of AI Technologies</i>
1215 – 1230	<i>Break</i>
1230 – 1345	Roadmap for AI Adoption in Projects <i>Creating a Customized AI Adoption Roadmap • Identifying Quick Wins & Long-Term AI Strategies</i>
1345 – 1400	Course Conclusion
1400 – 1415	POST-TEST
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch & End of Course</i>

Simulator (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using the “Mindview Software” and “Raidlog Simulator”.

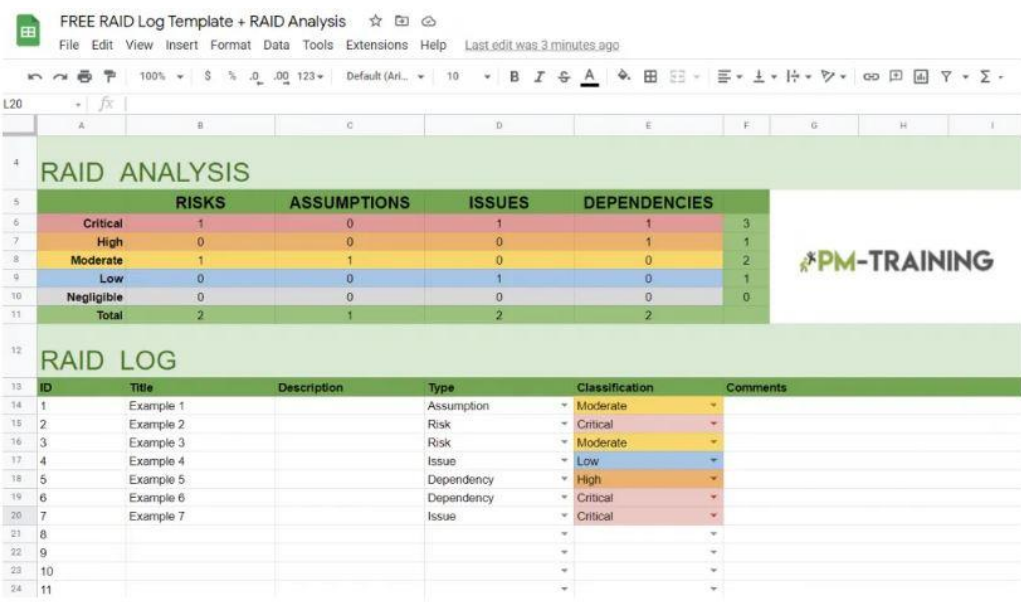


The screenshot displays the Mindview Software interface. At the top, a mind map titled "Problem Solving" is visible, with central nodes for "Assessment", "Planning", "Measurement", and "Monitoring". The map branches out into various sub-topics like "Recognize symptoms", "Set up team", "Identify main problems", "Select problem", "Measure results", "Compare against targets", "Targets", "Budget", "Process control", "Long term", "Short term", "Repair reports", "Process mapping", "Concepts", "Hyperlink", "Full Screen", "Book", "Apply", "Sub-Maps", "Numbering Scheme", "MapView", "Delete", "Select", "Outline", "Editing", and "Voice". Below the mind map, a Microsoft Word document is open, showing a document titled "PROBLEM SOLVING" with sections for "Planning", "Measurement", and "Analysis".

Mind map

Word

Mindview Software



The screenshot shows the RAIDlog Simulator interface. It features a menu bar with options like "File", "Edit", "View", "Insert", "Format", "Data", "Tools", "Extensions", and "Help". Below the menu is a toolbar with various icons. The main content area displays two tables:

RAID ANALYSIS

	RISKS	ASSUMPTIONS	ISSUES	DEPENDENCIES	
Critical	1	0	1	1	3
High	0	0	0	1	1
Moderate	1	1	0	0	2
Low	0	0	1	0	1
Negligible	0	0	0	0	0
Total	2	1	2	2	

RAID LOG

ID	Title	Description	Type	Classification	Comments
1	Example 1		Assumption	Moderate	
2	Example 2		Risk	Critical	
3	Example 3		Risk	Moderate	
4	Example 4		Issue	Low	
5	Example 5		Dependency	High	
6	Example 6		Dependency	Critical	
7	Example 7		Issue	Critical	
8					
9					
10					
11					

Raidlog Simulator

Course Coordinator

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