COURSE OVERVIEW PM0661
PMI Cognitive Project Management in AI

Course Title
PMI Cognitive Project Management in AI

Course Date/Venue
Session 1: July 20-24, 2025/Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
Session 2: December 21-25, 2025/Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE

Course Reference
PM0661

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 PMI Cognitive Project Management in AI. It covers the PMI-based project management, cognitive project management and AI and machine learning fundamentals for PMS; the strategic alignment of AI projects, business value mapping for AI initiatives, feasibility and ROI considerations and governance and ethics in AI strategy; and the PMI talent triangle and AI, initiating cognitive AI projects and developing AI-adapted project plans.

Further, the course will also discuss the resource and team planning for AI projects, data governance and ethics in AI planning; the AI risk planning and cognitive risk response, cost estimation and budgeting in AI projects; the scheduling and milestone mapping, timeboxing in agile AI projects, ML experiment cycles and iteration tracking; the Gantt versus Kanban for AI timelines, modeling uncertainty in project timelines and leading cognitive teams; and the human-AI collaboration in execution, communication and change management and data pipeline and infrastructure management.

During this interactive course, participants will learn the quality assurance and AI validation, procurement and AI vendor management and performance monitoring using AI; the cognitive risk control and incident response, scope, schedule and cost control and change requests and model updates; the compliance and audit readiness, cognitive decision support tools and closing AI projects successfully; the AI-specific retrospectives and feedback loops for future AI projects; measuring cognitive maturity and growth, cross-project learnings and best practices; and the cognitive PMO and portfolio integration, AI project metrics and value realization, continuous learning and AI capability development.

Course Objectives

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

- Get prepared for the next PMI-CPMAI exam and have enough knowledge and skills to pass such exam in order to get the PMI certification
- Discuss PMI-based project management, cognitive project management and AI and machine learning fundamentals for PMS
- Carryout strategic alignment of AI projects covering identifying AI opportunities within organizations, business value mapping for AI initiatives, feasibility and ROI considerations and governance and ethics in AI strategy
- Discuss PMI talent triangle and AI, initiate cognitive AI projects and develop AI-adapted project plans
- Apply resource and team planning for AI projects, data governance and ethics in AI planning, AI risk planning and cognitive risk response and cost estimation and budgeting in AI projects
- Illustrate scheduling and milestone mapping covering timeboxing in agile AI projects, ML experiment cycles and iteration tracking, Gantt versus Kanban for AI timelines and modeling uncertainty in project timelines
- Lead cognitive teams and apply human-AI collaboration in execution, communication and change management and data pipeline and infrastructure management
- Employ quality assurance and AI validation, procurement and AI vendor management and monitoring using AI
- Carryout cognitive risk control and incident response, scope, schedule and cost control and change requests and model updates
- Apply compliance and audit readiness, cognitive decision support tools and closing AI projects successfully
- Discuss AI-specific retrospectives, feedback loops for future AI projects, measuring cognitive maturity and growth and cross-project learnings and best practices
- Recognize cognitive PMO and portfolio integration, AI project metrics and value realization, continuous learning and AI capability development

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**.*

PMI Recognition of Haward Courses

The Project Management Institute (**PMI**) recognizes Haward's Certificates and Continuing Education Units (CEUs).

The recognition and acceptance of our PDUs/CEUs fall under Categories E, F and G of PMI's "Professional Education" section at the PMP Application. Hence, what the delegates simply need to do is to complete this section as part of the PMP Application and submit it to PMI upon the receipt of Haward's certificates and ANSI/IACET's CEUs. PMI will automatically accept the delegates with 30 Contract Honors as a fulfillment of the required Professional Education.

Haward Technology, being the first **Authorized Provider** of the International Association for Continuing Education & Training (**IACET-USA**) in the Middle East, is authorized to award ANSI/IACET **CEUs** that are automatically accepted and recognized by the Project Management Institute (**PMI**).

Who Should Attend

This course provides an overview of all significant aspects and considerations of PMI cognitive project management in AI for project managers, project team members, project support, AI/ML professionals, business analysts and strategists and other technical staff.

Exam Eligibility & Structure

Exam candidates shall have the following minimum pre-requisites:-

- No prerequisites
- Appropriate for people with different roles and levels of expertise

Training 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.

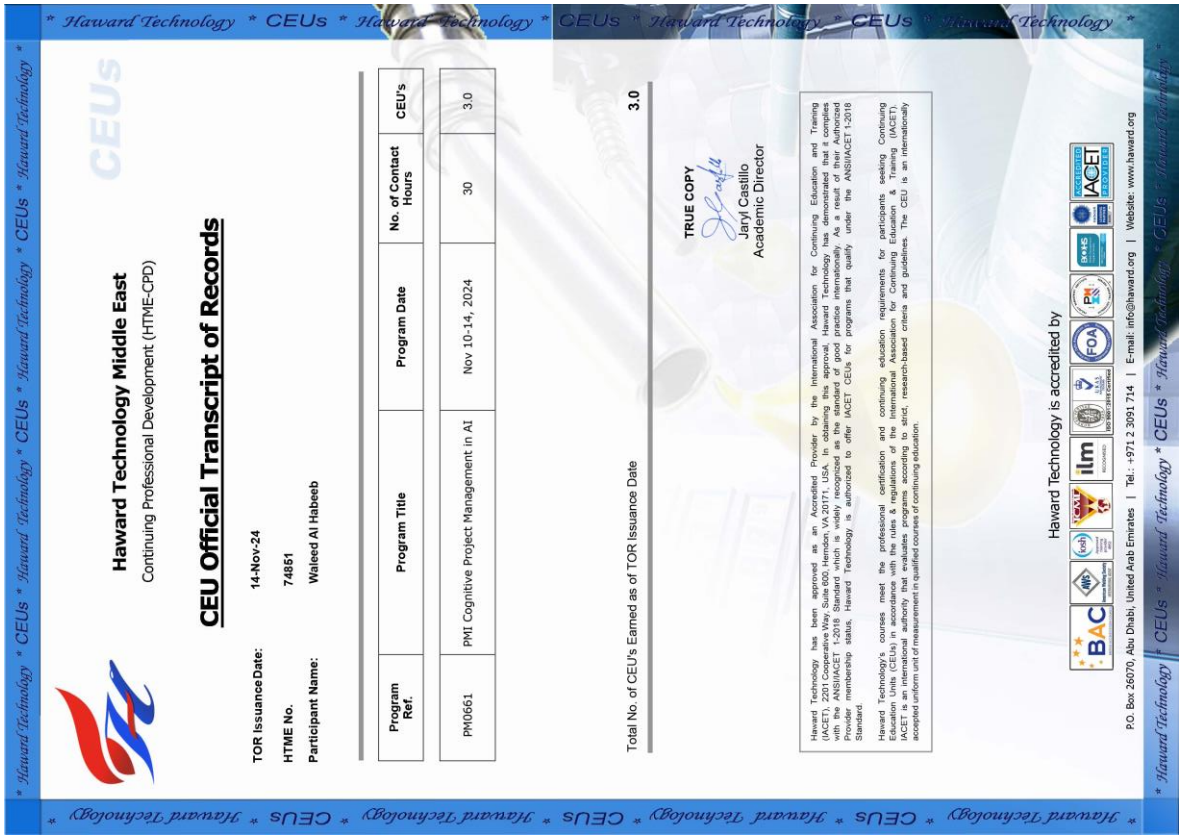
Exam Fee

US$ 1,200 per Delegate + **VAT**.

Course Certificate(s)

(1) PMI-CPMAI certificates will be issued to participants who have successfully passed the PMI-CPMAI examination.

(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course



CEU Official Transcript of Records

Haward Technology Middle East
Continuing Professional Development (HTME-CPD)

TOR Issuance Date: 14-Nov-24
HTME No. 74851
Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
PM0661	PMI Cognitive Project Management in AI	Nov 10-14, 2024	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date: 3.0

TRUE COPY
Jaryl Castillo
Academic Director

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

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | E-mail: info@haward.org | Website: www.haward.org

Certificate Accreditations

Certificates are accredited by the following international accreditation organizations: -

- PMI: Project Management Institute

  Haward Technology is an **Authorized Training Partner** of the **Project Management Institute (PMI)** (USA). We are strictly complying with the quality requirements and standards of PMI. Haward Technology is approved by PMI to issue contact hours and PDUs for those courses following the PMI requirements in addition to all PMI Project Management courses. Our trainers are Authorized by PMI to deliver the PMI Accredited courses and certification programs. As an Authorized Training Partner, Haward Technology has access to the latest and up-to-date PMI materials and resources available in the field of Project Management that will definitely improve the chances of success for participants attending Haward Technology courses.

  The PMI Authorized Training Partner seal is a registered mark of **Project Management Institute, Inc.**

- 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.

- 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:

Mr. Dimitry Rovas, CEng, MSc, PMI-PMP, SMRP-CMRP is a **Senior Project Management Consultant** with extensive industrial experience in **Oil**, **Gas**, **Power** and **Utilities** industries. His expertise includes **Project** Management, **Construction** Management, **Project** Management Planning & Control Techniques, **Project Risk** Management, **Project Budgeting** & **Cost** Management, **Project & Construction** Management, **Contract & Risk** Management, Project Leadership, Communication & Negotiation, **Project** Management Essentials, Writing Scope of Works, **Quality** Management, **Project Acceleration** Techniques, **Scope Control** Management, **Contract** Management, **Asset** Management, **Procurement & Purchasing** Management, **Warehousing**, Quality Management System (**QMS**), **Business** Management, **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 and **Dispute Resolution** & **Risk** Identification. Further, he is also well-versed in **Energy Conservation**, **Electricity Distribution Systems**, **Energy Saving**, **Combined Cycle Power Plant**, **Gas & Steam Turbines**, **Heat Transfer**, **Machine Design**, **Fluid Mechanics**, **Heating & Cooling** Systems, **Heat Insulation** Systems and **Heat Exchanger & Cooling Towers**. He was the **Project Manager** wherein he was managing, directing and controlling all activities and functions associated with the domestic heating/cooling facilities projects.

During his life career, Mr. Rovas has gained his practical and field experience through his various significant positions and dedication as the **EPC Project Manager**, **Field Engineer**, **Preventive Maintenance Engineer**, **Researcher**, **Instructor/Trainer**, **Telecom Consultant** and **Consultant** from various companies such as the Podaras Engineering Studies, Metka and Diadikasia, S.A., **Hellenic Petroleum Oil Refinery** and COSMOTE.

Mr. Rovas is a **Chartered Engineer** of the **Technical Chamber** of **Greece**. Further, he has **Master's** degree in **Mechanical Engineering** and **Energy Production & Management** from the **National Technical University of Athens**. Moreover, he is a **Certified Instructor/Trainer**, a **Certified Maintenance and Reliability Professional** (**CMRP**) from the Society of Maintenance & Reliability Professionals (**SMRP**), a **Certified Project Management Professional** (**PMP**), a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management** (**ILM**) and a **Certified Six Sigma Black Belt**. He is an active member of Project Management Institute (**PMI**), Technical Chamber of Greece and Body of Certified Energy Auditors and has further delivered numerous trainings, seminars, courses, workshops and conferences internationally.

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 Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop 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	***Introduction to PMI-Based Project Management*** *PMI's PMBOK Framework & Knowledge Areas • Project Lifecycle & Process Groups • Stakeholder Engagement in AI Contexts • Agile versus Traditional Approaches in AI Projects*
0930 – 0945	*Break*
0945 – 1030	***Understanding Cognitive Project Management*** *Definition & Purpose of Cognitive PM • Core Cognitive Skills for Project Managers • Decision-Making & Adaptive Thinking • Comparison with Conventional PM Practices*
1030 – 1130	***AI & Machine Learning Fundamentals for PMs*** *AI Types (Narrow versus General versus Super AI) • ML, DL, NLP – Core Concepts for PMs • AI Lifecycle: Data, Modeling, Evaluation • AI Tools Landscape (TensorFlow, PyTorch, etc.)*
1130 – 1215	***Strategic Alignment of AI Projects*** *Identifying AI Opportunities Within Organizations • Business Value Mapping for AI Initiatives • Feasibility & ROI Considerations • Governance & Ethics in AI Strategy*

1215 – 1230	*Break*
1230 – 1330	***PMI Talent Triangle & AI*** *Technical PM Skills & AI Fluency • Leadership Traits in AI Transformation • Strategic & Business Acumen • Role of Continuous Learning*
1330 – 1420	***Initiating Cognitive AI Projects*** *Defining Project Charter with AI Context • Stakeholder Analysis & Cognitive Readiness • High-Level Scope & Business Justification • Establishing Project Success Criteria*
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	***Developing AI-Adapted Project Plans*** *AI-Specific Project Scope Statement • Adaptive WBS for AI Systems • Estimating Effort in Data-Heavy Projects • Using Predictive Analytics in Planning*
0830 – 0930	***Resource & Team Planning for AI Projects*** *Building Interdisciplinary AI Teams • Role Mapping: Data Scientists versus PMs • Skill Gap Identification & Mitigation • Knowledge Sharing & Collaboration*
0930 – 0945	*Break*
0945 – 1100	***Data Governance & Ethics in AI Planning*** *Data Sourcing, Privacy & Compliance • AI Ethics: Bias, Fairness, Explainability • GDPR, CCPA & other Regulations • Data Readiness Assessments*
1100 – 1215	***AI Risk Planning & Cognitive Risk Response*** *AI-Specific Risk Categories (Model Drift, Bias) • Risk Identification Using Cognitive Tools • Contingency & Fallback Plans for AI Failure • Trust & Transparency Risk Management*
1215 – 1230	*Break*
1230 – 1330	***Cost Estimation & Budgeting in AI Projects*** *Cost Drivers Unique to AI (Data, Compute, Expertise) • Cognitive Forecasting & Probabilistic Modeling • Lifecycle Cost Planning for ML Models • Budget Prioritization Using AI Impact*
1330 – 1420	***Scheduling & Milestone Mapping*** *Timeboxing in Agile AI Projects • ML Experiment Cycles & Iteration Tracking • Gantt versus Kanban for AI Timelines • Modeling Uncertainty in Project Timelines*
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	***Leading Cognitive Teams*** *Managing Cross-Functional AI Teams • Collaborative Intelligence in Execution • AI Fluency for Leadership Communication • Building Cognitive Trust & Autonomy*
0830 – 0930	***Human-AI Collaboration in Execution*** *Augmented Decision-Making with AI • Automation of PM Tasks (e.g., Scheduling, Reports) • Monitoring AI Model Performance in Real-Time • Enhancing PM Productivity with AI*
0930 – 0945	*Break*
0945 – 1100	***Communication & Change Management*** *Stakeholder Narratives in AI Projects • Change Impact from AI Deployment • Transparency & Explainability in Updates • Conflict Resolution in AI-Driven Change*
1100 – 1215	***Data Pipeline & Infrastructure Management*** *Data Preparation & Ingestion Workflows • Monitoring Data Quality During Execution • Coordination with Data Engineers & Scientists • Cloud versus on-Premise Infrastructure Decisions*
1215 – 1230	*Break*
1230 – 1330	***Quality Assurance & AI Validation*** *Testing AI: Performance, Accuracy, Robustness • Cognitive QA: User Experience & Trust • Model Versioning & Test Environments • Feedback Loops for Model Improvement*
1330 – 1420	***Procurement & AI Vendor Management*** *AI Tools & Vendor Selection Criteria • Legal & IP Issues in AI Outsourcing • Managing Third-Party Model Integrations • Evaluating Performance of AI Services*
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	***Performance Monitoring Using AI*** *KPIs for AI Project Success • Real-Time Dashboards & Alerts • Predictive Analytics for Performance Issues • Cognitive Anomaly Detection*
0830 – 0930	***Cognitive Risk Control & Incident Response*** *Automated Detection of AI Model Drift • Bias Re-Evaluation in Production Models • Error Management in Self-Learning Systems • Adjusting Plans Based on Intelligent Feedback*
0930 – 0945	*Break*
0945 – 1100	***Scope, Schedule & Cost Control*** *Variance Analysis in AI Efforts • Managing Scope Creep from Feature Evolution • Earned Value Management for AI • Reforecasting with Cognitive Systems*
1100 – 1215	***Change Requests & Model Updates*** *CR Processes in Adaptive AI Pipelines • Re-Training Cycles & Regression Testing • Data Drift Detection & Mitigation • Stakeholder Alignment on Algorithm Changes*
1215 – 1230	*Break*

1230 – 1330	***Compliance & Audit Readiness*** *Explainable AI & Audit Trails • Model Governance: Traceability & Control • Documentation Standards for Cognitive Systems • Ethics Committees & Review Boards*
1330 – 1420	***Cognitive Decision Support Tools*** *Using AI for PM Decision-Making • Natural Language Processing in Project Reports • Scenario Planning with ML Simulations • AI-Assisted Lessons Learned Analysis*
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

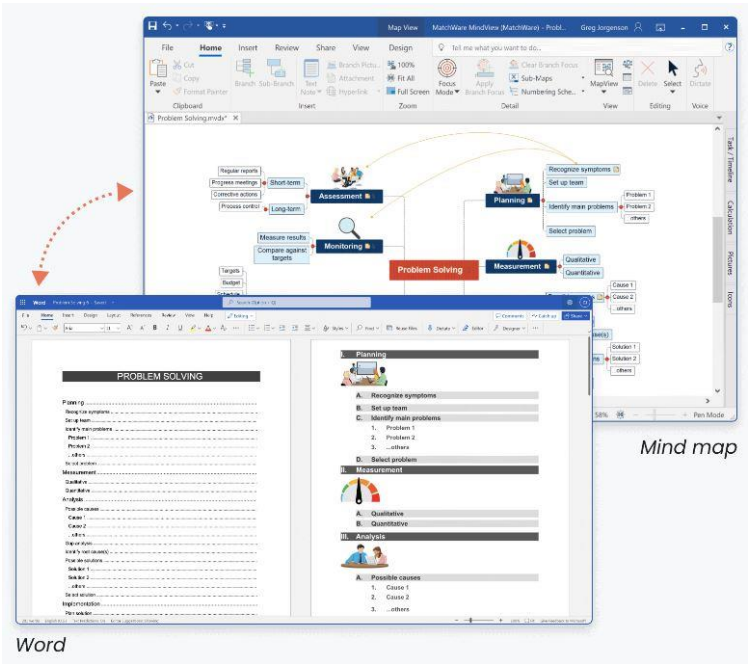
0730 – 0830	***Closing AI Projects Successfully*** *Validating Outcomes & Model Objectives • Knowledge Handover & Model Documentation • Closure Reports & Regulatory Submissions • Archiving Project & Model Artifacts*
0830 – 0930	***Post-Implementation Review & Lessons Learned*** *AI-Specific Retrospectives • Feedback Loops for Future AI Projects • Measuring Cognitive Maturity & Growth • Cross-Project Learnings & Best Practices*
0930 – 0945	*Break*
0945 – 1030	***Cognitive PMO & Portfolio Integration*** *Embedding AI in Enterprise PMO • Portfolio Optimization Using AI Insights • Resource Leveling with Cognitive Tools • Scalable Frameworks for AI Governance*
1030 – 1130	***AI Project Metrics & Value Realization*** *Measuring AI Business Impact • KPIs: Adoption, Usage, ROI, Accuracy • Value Realization Models for Cognitive Projects • Reporting to Stakeholders with AI Insights*
1130 – 1230	***Continuous Learning & AI Capability Development*** *AI Maturity Models for Teams & Orgs • Certification Paths: PMI, AI/ML, Agile • Upskilling Plans for PMs in AI • Leveraging AI Communities & Ecosystems*
1230 – 1245	*Break*
1245 – 1345	***Future of PMI & Cognitive AI Integration*** *PMI's Evolving Stance on AI Integration • Project Manager Roles in A Cognitive Era • Cognitive Transformation Roadmaps • Preparing for the Next-Gen Project Workforce*
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*

MOCK Exam

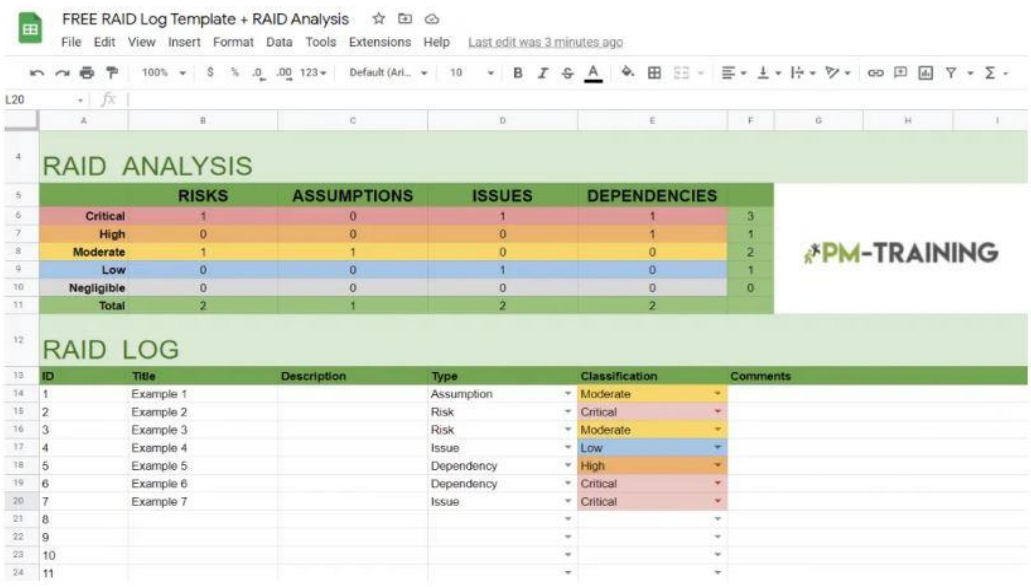
Upon the completion of the course, participants have to sit for a MOCK Examination similar to the exam of the Certification Body through Haward's Portal. Each participant will be given a username and password to log in Haward's Portal for the MOCK Exam during the 30 days following the course completion. Each participant has only one trial for the MOCK exam within this 30-day examination window. Hence, you have to prepare yourself very well before starting your MOCK exam as this exam is a simulation to the one of the Certification Body.

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".



Mindview Software



Raidlog Simulator

Course Coordinator

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