

PROJECT MANAGEMENT AND CONTROL (INCLUDING PRIMAVERA)

"Integrating Best Practices and Scheduling Tools for Effective Project Delivery"

Schedule

Date	Venue	Fees (Face-to-Face)
20 - 24 Apr 2026	Dubai, UAE	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Project success depends on effective planning, scheduling, monitoring, and control. With increasing project complexity, professionals must blend structured project management methodologies with advanced software tools like Primavera P6 to deliver projects on time, within budget, and to defined quality standards.

This comprehensive course provides participants with a dual focus on project management principles and hands-on Primavera P6 training. Through practical exercises, participants will learn how to manage the full project lifecycle—from initiation and planning to execution, control, and closure—while mastering the use of Primavera for scheduling, resource allocation, and performance tracking.

Objectives

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

- Apply project management frameworks and control techniques aligned with PMI® standards
- Develop project schedules, budgets, and resource plans using Primavera P6
- Monitor project progress and performance with earned value analysis
- Identify and respond to risks, issues, and changes systematically
- Generate and interpret project reports for informed decision-making

Why Attend

- Gain a structured approach to managing complex projects
- Combine theory with practical Primavera P6 software skills
- Improve project transparency, accountability, and stakeholder communication
- Reduce delays and cost overruns through proactive project control
- Prepare for PMP®, CAPM®, or Primavera certification pathways

Target Audience

This program is designed for:

- Project managers and coordinators
- Planning and scheduling engineers
- Construction, oil & gas, infrastructure, and IT project professionals
- PMO staff and cost controllers
- Anyone involved in project execution, monitoring, or reporting

Individual Benefits

Key competencies that will be developed include:

- Work breakdown structure (WBS) creation and network logic development
- Resource and cost loading using Primavera P6
- Critical path analysis and schedule compression
- Variance tracking, change control, and stakeholder reporting
- Hands-on Primavera P6 project planning and tracking skills

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved project delivery through disciplined planning and control
- Enhanced ability to manage timelines, costs, and resources
- Integration of project data for real-time decision-making
- Effective risk and scope management practices
- Stronger alignment with organizational goals and client expectations

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Project management standards, PMBOK® guide, and lifecycle
- Case Studies - Application in engineering, construction, and infrastructure sectors
- Workshops - Primavera P6 hands-on sessions for scheduling and monitoring
- Peer Exchange - Group dialogue on project issues and resolutions
- Tools - Primavera P6 templates, project control dashboards, WBS charts

Course Outline

Training Hours: 7:30 AM - 3:30 PM Daily Format: 3-4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

Day 1: Project Management Framework and Initiation

- Module 1: Project Lifecycle and Key Concepts (07:30 - 09:30) • PMI framework, constraints, success criteria, stakeholder analysis
- Module 2: Project Charter and Scope Definition (09:45 - 11:15) • Initiation documents, WBS creation, requirements collection
- Module 3: Primavera P6 Introduction and Setup (11:30 - 01:00) • Navigating the interface, calendars, and new project setup
- Module 4: Workshop - WBS Creation in Primavera (02:00 - 03:30) • Hands-on creation of project breakdown structure

Day 2: Planning Time, Resources & Cost

- Module 1: Scheduling and Network Development (07:30 - 09:30) • Activity definition, relationships, leads/lags, constraints
- Module 2: Resource Planning and Cost Estimating (09:45 - 11:15) • Resource assignment, role definitions, cost loading
- Module 3: Primavera P6 - Activity Creation and Logic Linking (11:30 - 01:00) • Creating and sequencing activities in Primavera
- Module 4: Workshop - Resource Assignment & Cost Loading (02:00 - 03:30) • Apply labor, equipment, and materials in Primavera

Day 3: Schedule Optimization and Risk Management

- Module 1: Critical Path Method (CPM) and Float Analysis (07:30 - 09:30) • Identifying critical path, float types, and schedule compression
- Module 2: Risk and Contingency Planning (09:45 - 11:15) • Qualitative and quantitative risk analysis techniques
- Module 3: Primavera P6 - Baselines and Calendars (11:30 - 01:00) • Set baselines, create custom calendars
- Module 4: Workshop - Schedule Optimization Techniques (02:00 - 03:30) • Apply leveling, fast tracking, and crashing in Primavera

Day 4: Monitoring, Controlling & Reporting

- Module 1: Earned Value Management (EVM) (07:30 - 09:30) • Tracking performance using CPI, SPI, and forecasting metrics
- Module 2: Change and Issue Management (09:45 - 11:15) • Integrated change control, scope creep prevention
- Module 3: Primavera P6 - Progress Updating and Variance Analysis (11:30 - 01:00) • Update activity status, review variance reports
- Module 4: Workshop - Project Status Reporting (02:00 - 03:30) • Create and present dashboards and S-curves

Day 5: Project Closure and Final Presentation

- Module 1: Project Closure Activities and Lessons Learned (07:30 - 09:30) • Closeout checklists, handover, and documentation
- Module 2: Primavera P6 - Finalizing the Schedule (09:45 - 11:15) • Closeout progress, final reports, exporting data
- Module 3: Final Case Study - Integrated Planning Exercise (11:30 - 01:00) • Plan and control a complete sample project
- Module 4: Wrap-Up and Certification (02:00 - 03:30) • Course review, reflections, and certificate distribution

Certification

Participants will receive a Certificate of Completion in Project Management and Control (Including Primavera), confirming their skills in managing and controlling projects using PMI-aligned techniques and Primavera P6 tools.

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Please contact us:

TEL:

+601116373203

EMAIL:

info@mawaevents.net

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