

Primavera P6 Professional Project Management Certification Training Course

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Overview

Enterprise initiatives require rigorous schedule tracking, resource optimization, and cross-functional alignment across complex execution environments. This syllabus focuses on Primavera P6 Professional Project Management to equip practitioners with structured techniques for project portfolio governance, critical path analysis, and baseline maintenance. Participants learn to construct work breakdown structures, assign project resources, track earned progress, and integrate agile project workflows into project management office structures. This course is delivered by Agile Leaders Training Center.

Who Should Attend

- Project management professionals seeking structured software-driven scheduling capabilities.
- Agile project managers integrating iterative cycles with enterprise scheduling baselines.
- Project coordinators and analysts responsible for project portfolio tracking and variance reporting.
- Team leads and business analysts tasked with work breakdown definition and task assignment.
- Operations managers and software developers contributing to multi-tiered project teams.

Departments and Industries

This programme serves project delivery and planning teams across major engineering and operational sectors.

- Project Management Offices and IT Departments in Telecommunications and Software
- Engineering and Operations Divisions in Oil and Gas and Energy Utilities
- Planning and Project Controls Units in Construction and Infrastructure
- Product Development and Quality Assurance Groups in Manufacturing and Automotive
- Research and Delivery Management Units in Pharmaceuticals

Learning Objectives

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

- Construct enterprise project structures and work breakdown frameworks using Primavera P6.
- Draft formal project charter documents defining scope boundaries and project manager responsibilities.
- Model project schedules using critical path methodology and precedence diagramming techniques.
- Allocate labor, material, and equipment resources while balancing team capacity constraints.
- Establish project baselines and update progress to evaluate schedule performance indices.
- Incorporate agile project management principles within project management office operations.

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Course Agenda

Day 1: Project Portfolio Structures and Governance

- Project Management Office Operations and Portfolio Alignment Protocols
- Enterprise Project Structure Setup and Organisational Breakdown Definition
- Project Charter Authorisation and Scope Baseline Establishment
- Work Breakdown Structure Development and Work Package Coding
- Review and Reflection on Project Management Fundamentals

Day 2: Agile Integration and Role Governance

- Agile Project Management Principles within Enterprise Scheduling
- Hybrid Execution Modeling and Iterative Task Tracking in Primavera P6
- Project Manager Responsibilities across Cross-Functional Teams
- Stakeholder Communication Matrices and Milestone Definition
- Review and Reflection on Agile Workflows and Governance Controls

Day 3: Schedule Development and Network Logic

- Activity Sequencing and Dependency Relationship Types
- Duration Estimation and Critical Path Method Calculations
- Calendar Assignment and Working Time Constraints
- Schedule Float Analysis and Early and Late Date Determinations
- Review and Reflection on Project Planning and Logic Verification

Day 4: Resource Allocation and Team Coordination

- Resource Dictionary Creation for Labor, Material, and Non-Labor Assets
- Resource Assignment to Activities and Role-Based Staffing
- Resource Over-Allocation Detection and Leveling Strategies
- Team Performance Tracking and Stakeholder Engagement Coordination
- Review and Reflection on Resource Optimization and Team Workflows

Day 5: Baseline Control, Progress Updates, and Certification Steps

- Target Baseline Maintenance and Earned Value Performance Evaluation
- Schedule Updating Workflows and Variance Threshold Reporting
- Process Steps for Completing the Certification Course in Project Management
- Collaborative Project Software Implementation and Reporting Dashboards
- Review and Reflection on Project Controls and Post-Training Action Plans

Practical Exercises

Participants engage in hands-on activities to reinforce schedule creation and baseline control.

- Develop a detailed work breakdown structure for an infrastructure delivery case study.
- Construct activity logic networks to determine critical path sequences and float margins.
- Assign resources and resolve overallocation using leveling parameters in Primavera P6.
- Update schedule status and generate variance reports against approved baseline dates.

FAQs

How does this course integrate agile practices with Primavera P6?

Participants explore methods to align iterative sprints and agile deliverables with long-term enterprise project milestones and project portfolio governance within Primavera P6.

What scheduling techniques are practiced during the sessions?

The training covers critical path methodology, activity relationship networking, lead and lag calculation, calendar configuration, and resource leveling.

What steps are covered regarding certification?

The curriculum details the procedural steps and practical readiness requirements for completing the certification course in Primavera P6 professional project management.

Conclusion

Participants acquire disciplined competencies in developing, maintaining, and controlling project schedules using enterprise software tools. By connecting planning fundamentals with hands-on Primavera P6 application, delivery teams secure baseline integrity, optimize resource deployment, and meet critical organisational milestones.

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