Project Management with Primavera P6: Mastering Essentials

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Casablanca (Morocco)



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Why This Course

Oracle Primavera P6 is one of the most powerful tools for project planning, scheduling, resource management, and progress control. It is widely used in construction, engineering, infrastructure, oil and gas, utilities, and other project-driven industries where accurate scheduling and strong project control are essential.

This intensive 1-week Primavera P6 Project Management Training program equips participants with the practical skills needed to plan, schedule, monitor, and control projects using Primavera P6. The course covers project setup, Work Breakdown Structure development, activity planning, relationships, calendars, constraints, critical path analysis, resource management, cost control, baselines, progress tracking, earned value analysis, reporting, and data exchange. Through hands-on exercises and real project scenarios, participants will learn how to build reliable schedules and communicate project performance effectively.

What You'll Learn and Practice

By joining this program, you will:

- Understand the Primavera P6 interface and core functionalities.
- Create new projects and define project structures.
- Build Work Breakdown Structures for organized project planning.
- Add activities, define logic, and create activity relationships.
- Create and assign project calendars.
- Apply constraints, deadlines, and scheduling rules.
- Analyze the critical path and optimize project schedules.
- Create, assign, and manage project resources.
- Apply resource leveling and optimization techniques.
- Manage project costs and resource usage.
- Set baselines and track project progress.
- Apply earned value analysis for performance monitoring.
- Generate standard and custom reports for stakeholders.
- Use filters, layouts, grouping, importing, and exporting features.



The Program Flow

Day 1: Introduction to Primavera P6

- Understand Primavera P6 and its role in project management.
- Review key project management concepts used in scheduling.
- Navigate the Primavera P6 interface and main work areas.
- Create a new project and define basic project information.
- Develop a Work Breakdown Structure.
- Add activities and define logical relationships between tasks.

Day 2: Scheduling and Calendars

- Understand scheduling concepts within Primavera P6.
- Create and assign calendars for projects, resources, and activities.
- Apply activity constraints and deadlines appropriately.
- Run project scheduling and review schedule calculations.
- Analyze the critical path and identify schedule drivers.
- Optimize schedules for better project control.

Day 3: Resource Management

- Create and define project resources.
- Assign resources to activities based on project requirements.
- Apply resource leveling to resolve overallocations.
- Optimize resource usage within project constraints.
- Understand cost management in Primavera P6.
- Create resource usage profiles and histograms for analysis.

Day 4: Baseline and Progress Tracking

- Set project baselines for schedule and performance comparison.
- Update project progress using actual dates, durations, and completion data.
- Compare current schedules against approved baselines.
- Apply earned value analysis to monitor project performance.
- Manage changes, revisions, and schedule updates.
- Identify variances and support corrective action planning.



Day 5: Reporting and Advanced Features

- Generate standard reports for project communication.
- Create custom reports tailored to stakeholder needs.
- Use filters, layouts, grouping, and sorting to analyze project data.
- Import and export project data for integration and collaboration.
- Apply best practices for project execution, monitoring, and control.
- Review practical tips for maintaining accurate and reliable schedules.

Individual Impact

- Build confidence in using Primavera P6 for project scheduling and control.
- Strengthen practical skills in WBS development, scheduling, and resource management.
- Improve ability to track progress, manage baselines, and analyze variances.
- Gain hands-on experience in reporting and stakeholder communication.
- Develop stronger scheduling discipline for complex projects.

Work Impact

- Improve project planning accuracy and schedule reliability.
- Strengthen resource allocation and project efficiency.
- Enhance project monitoring through baselines, progress updates, and earned value analysis.
- Improve reporting quality and visibility for stakeholders.
- Support better decision-making through accurate Primavera P6 schedules and performance data.

Training Methodology

This program combines Primavera P6 concepts with hands-on software practice through:

- Guided Primavera P6 navigation and setup exercises.
- Project creation, WBS development, and activity planning workshops.
- Calendar, constraint, relationship, and critical path practice.
- Resource assignment, leveling, and cost management exercises.
- Baseline, progress tracking, and earned value analysis activities.
- Reporting, filtering, layout, importing, and exporting practice.

Beyond the Course

Upon completion, participants will be able to:



- Create fully functional project schedules in Primavera P6.
- Build WBS structures, activities, relationships, and calendars.
- Optimize resource allocation to improve project efficiency.
- Set baselines and track project progress accurately.
- Implement earned value analysis for project performance control.
- Generate comprehensive project reports for stakeholder communication.

