BLACKBIRD FOR TRAINING

Oracle Primavera P6 Professional Project Planning and Scheduling Training Course



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Introduction:

This Oracle Primavera P6 Professional Project Planning and Scheduling Training Course enables you to construct critical path method schedules, assign resources, and control baselines over one week. You will build an integrated Level 4 Primavera P6 baseline schedule and control pack containing resource dictionaries, integrity audit logs, and progress variance layouts. You need working familiarity with project workflows and task coordination, as this practitioner course advances your hands-on software execution skills. You will practise through software lab sessions in Primavera P6 Professional, resolving logic breaks, updating schedules, and generating progress curves.

Course Objectives:

- Build enterprise project structures and work breakdown structures in Primavera P6 Professional for capital project packages
- Map activity dependency relationships and critical path logic using Primavera P6 CPM calculation engines on execution schedules
- Test resource allocations and cost distribution curves using Primavera P6 resource usage spreadsheets across project baselines
- Score schedule health and logic integrity using Primavera P6 check utilities against international scheduling standards
- Run schedule progress updates and earned value performance calculations using Primavera P6 tracking layouts on active project baselines
- Draft forensic schedule delay impact assessments using Primavera P6 baseline comparison tools for contract variation reviews

Target Audience:

- You develop and maintain critical path schedules, coordinating activity sequences and milestones across engineering, procurement, and construction packages.
- You monitor operational site progress, logging actual task start and finish dates while calculating earned value metrics against project baselines.
- You allocate labour, plant, and material resources across operational schedules to identify site bottlenecks and smooth manpower loading.
- You evaluate contractor schedule submittals, verifying network logic integrity, float distribution, and constraint compliance for capital delivery programmes.
- You prepare schedule variance documentation and time impact delay assessments to support operational change management and extension of time reviews.



Course Outline:

Day 1: Establishing Enterprise Structures and Schedule Frameworks

- Configuring Enterprise Project Structures Using Primavera P6 Administrative Tools
- Structuring Organisational Breakdown Hierarchies Using Primavera P6 Security Profiles
- Decomposing Work Breakdown Structures Using Primavera P6 WBS Architectures
- Establishing Custom Project Calendars Using Primavera P6 Workweek Templates
- Build: Enterprise Structure and Work Breakdown Schedule Framework

Day 2: Developing Critical Path Logic and Activity Networks

- Defining Activity Types and Milestones Using Primavera P6 Dictionaries
- Sequencing Network Dependencies Using Primavera P6 Precedence Diagramming Methods
- Applying Schedule Constraints Using Primavera P6 Calculation Settings
- Computing Critical Path Floats Using Primavera P6 CPM Algorithms
- Build: Critical Path Network Schedule and Float Analysis Matrix

Day 3: Loading Resources, Budgets, and Target Baselines

- Setting Up Resource Dictionaries Using Primavera P6 Cost Rates
- Assigning Labour and Equipment Using Primavera P6 Activity Details
- Levelling Resource Overallocations Using Primavera P6 Usage Profiles
- Generating Budgeted Cost Curves Using Primavera P6 S-Curve Tools
- Build: Resource-Loaded and Cost-Loaded Target Baseline Model

Day 4: Auditing Schedule Health and Evaluating Schedule Delays

- Auditing Schedule Integrity Using PMI Scheduling Conformance Criteria
- Identifying Dangling Logic Ties Using Primavera P6 Relationship Filters
- Analysing Total Float Distribution Using Primavera P6 Diagnostic Layouts
- Modelling Schedule Delay Fragnets Using AACE RP 29R-03 Methods
- Build: Schedule Health Audit Report and Forensic Delay Model

Day 5: Practising Project Controls Through Software Lab Execution

- Importing Contractor Submittal Data Using Primavera P6 XER Formats
- Updating Activity Progress Percentages Using Primavera P6 Statusing Workflows
- Calculating Earned Value Metrics Using Primavera P6 Tracking Views
- Resolving Critical Path Slippages Using Primavera P6 Recovery Techniques
- Build: Integrated Level 4 Primavera P6 Baseline Schedule and Control Pack



Skills You Will Gain:

- Primavera P6 Enterprise Architecture Setup
- Critical Path Precedence Network Sequencing
- Resource Usage Profile Levelling
- Earned Value Performance S-Curve Analysis
- Primavera P6 Schedule Diagnostic Auditing
- AACE RP 29R-03 Delay Fragnet Modelling
- Baseline Variance Tracking Layout Configuration

Why Attend This Course:

- Structure complex enterprise project schedules and multi-tier work breakdown structures directly within Primavera P6 Professional.
- Eliminate scheduling errors, dangling activities, and artificial logic ties using structured diagnostic audit filters.
- Manage resource overallocations and forecast cash flow distributions using dynamic usage profiles and earned value S-curves.
- Complete an integrated Level 4 Primavera P6 baseline schedule and control pack to manage critical path execution and contractual progress reviews.

Conclusion:

Returning to your desk, you will open your integrated Level 4 Primavera P6 baseline schedule and control pack to benchmark active project timelines against validated critical path logic. You will present the resource-loaded network, earned value variance layouts, and schedule integrity audit report to your project director and contract commercial leads for technical approval. Following its first operational statusing cycle, you will inspect critical path float shifts and resource consumption trends to verify that actual performance matches baseline forecasts.

Frequently Asked Questions FAQ:

What will you be able to do after the Oracle Primavera P6 Professional Project Planning and Scheduling Training Course?

You will be able to build, resource-load, and maintain robust critical path schedules in Primavera P6 Professional. You will also execute schedule integrity audits, track progress against approved baselines, calculate earned value metrics, and evaluate schedule delay fragnets for contract administration.



What do you need to know before starting the Oracle Primavera P6 Professional Project Planning and Scheduling Training Course?

You need a working understanding of basic project execution cycles, task dependencies, and operational site coordination. Prior hands-on experience with Primavera P6 software is not required, as this practitioner course guides you through interface navigation, enterprise structure configuration, and schedule management workflows from foundational setup to advanced controls.

What deliverable do you build during the Oracle Primavera P6 Professional Project Planning and Scheduling Training Course?

You build an integrated Level 4 Primavera P6 baseline schedule and control pack. This deliverable includes an enterprise work breakdown structure, a fully sequenced critical path network, resource-loaded cost curves, a schedule health audit report, and custom tracking layouts configured for monthly progress reporting.

How does the Oracle Primavera P6 Professional Project Planning and Scheduling Training Course differ from a general project scheduling course?

This course focuses exclusively on hands-on software execution inside Primavera P6 Professional rather than platform-independent scheduling theory. You spend the course operating Primavera P6 enterprise tools, building precedence networks, levelling resource profiles, and resolving critical path variances directly within the desktop software environment.

