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COURSE BROCHURE

Oracle Primavera P6 Professional Project Planning and Scheduling Course

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Oracle Primavera P6 Professional Project Planning and Scheduling Course

Oracle Primavera P6 Professional Project Planning and Scheduling Course is a 1-week training course for project controls managers, lead schedulers, planning engineers, and contract administrators, and each participant prepares an Integrated Baseline Schedule Model. Complex capital schemes across infrastructure, energy, and utilities demand verifiable critical path logic and rigorous performance measurement to protect margins. Jupiter Prime Training delivers this Oracle Primavera P6 Professional Project Planning and Scheduling Course to establish schedule integrity across complex project environments.

Why Oracle Primavera P6 Professional Project Planning and Scheduling Matters Now

Tight delivery deadlines, distributed supply chains, and complex contracting arrangements place immense pressure on major capital investments. Uncalibrated critical path assumptions and late progress capture expose organisations to unrecoverable completion delays, commercial disputes, and severe liquidated damages. Modern enterprise delivery demands defensible project control systems that connect engineering, procurement, and site execution into a single operational forecast. Structured on the PMI Practice Standard for Scheduling published by the Project Management Institute PMI, the AACE International Total Cost Management TCM framework, and the Society of Construction Law SCL Delay and Disruption Protocol, disciplined scheduling protects contractual entitlements and stabilises long-term resource deployment across multi-stakeholder programmes.

Who Gains Most from Oracle Primavera P6 Professional Project Planning and Scheduling

- Project controls leads responsible for setting enterprise scheduling architectures, progress measurement systems, and progress reporting cycles across complex programmes
- Senior planning engineers tasked with building critical path logic networks, resource loading, calendar assignments, and earned value tracking routines
- Contracts and commercial managers seeking forensic schedule transparency to validate delay notifications, critical milestones, and contractor extension of time requests
- Project managers directing multidisciplinary construction packages who require validated progress data to guide critical site deployment and subcontractor coordination

An integrated delivery team comprising project controllers, lead planning engineers, and commercial leads gains most, as shared participation aligns work breakdown definitions with baseline change administration and risk mitigation.

Oracle Primavera P6 Professional Project Planning and Scheduling Capabilities

Participants gain rigorous planning and scheduling competencies, applying enterprise software tools to construct, baseline, resource-optimise, and forensically control capital project programmes.

- Build multi-tier enterprise breakdown frameworks — structured project portfolio alignment across business divisions
- Calculate critical path relationships and driving logic float — float consumption control and schedule completion reliability
- Optimise resource allocations using automated levelling rules — workforce stability and trade smoothing across parallel work fronts
- Apply earned value schedule metrics and performance indicators — variance early warnings for executive programme sponsors
- Model prospective time impact delay fragnets — extension of time justification and dispute avoidance for commercial negotiations
- Establish rigorous baseline maintenance and update governance — defensible progress verification for audit and contractual reporting

Key Oracle Primavera P6 Professional Project Planning and Scheduling Terms

- Critical Path Method — A deterministic network analysis technique calculating early and late dates to identify the longest sequence of dependent activities.
- Total Float — The total duration an activity can slip without delaying the final project completion date or a contractual milestone.
- Earned Value Management — A method integrating scope, schedule, and cost metrics to assess progress through earned value against baseline targets.
- Fragnet — A discrete network of delay-related activities inserted into an operational schedule to demonstrate schedule delay impacts.
- Resource Levelling — An algorithmic scheduling technique that reschedules activities within available float to resolve overallocated labor and equipment.
- Data Date — The operational reporting cut-off point dividing historical progress performance from future planned and forecasted activities.

Oracle Primavera P6 Professional Project Planning and Scheduling Day by Day

Day 1: Enterprise Architecture, Work Breakdown, and Activity Definition

- Enterprise Project Structure Configuration — Establishing Organisational Hierarchy and Portfolio Governance
- Work Breakdown Structure Development — Aligning Contractual Deliverables with Work Package Delineation
- Activity Types and Calendar Definitions — Configuring Production Cycles, Shifts, and Non-Working Horizons
- Scope Decomposition and Milestones — Structuring Contract Interface Milestones and Handover Points
- Work Breakdown Coding Frameworks — Standardising Activity Attributes for Portfolio-Wide Reporting

Day 2: Network Logic, Critical Path Calculation, and Schedule Quality

- Precedence Diagramming Method Relationships — Defining Finish-to-Start, Start-to-Start, and Dependency Logic
- Driving Logic and Open-End Elimination — Ensuring Network Structural Integrity and Float Validity
- Critical Path Calculation Parameters — Analysing Retained Logic, Progress Override, and Total Float
- Relationship Leads and Lags Application — Minimising Artificial Constraints to Protect Dynamic Schedule Responsiveness
- Schedule Health Assessment Checks — Reviewing Durations, Constraint Densities, and Logic Completeness

Day 3: Resource Loading, Cost Assignment, and Optimisation

- Labor, Non-Labor, and Material Resource Dictionaries — Standardising Role Profiles and Unit Rates
- Resource Assignment and Curve Profiles — Distributing Effort Across Activity Durations and Shifts
- Resource Overallocation Analysis — Identifying Trade Bottlenecks Across Simultaneous Physical Work Fronts
- Algorithmic Resource Levelling Execution — Resolving Labor Peaks Within Available Activity Total Float
- Budget Cost Loading Verification — Reconciling Direct Project Costs with Control Account Budgets

Day 4: Baseline Management, Progress Tracking, and Earned Value

- Schedule Baseline Creation and Freezing — Establishing Contractual Target Programs for Progress Measurement
- Data Date Progress Updating Cycles — Recording Actual Start Dates, Remaining Durations, and Physical Progress
- Earned Value Performance Measurement — Calculating Schedule Variance, Schedule Performance Index, and Earned Value
- Schedule Float Deterioration Monitoring — Identifying Emerging Critical Paths and Secondary Risk Chains
- Executive Programme Dashboards Generation — Visualising Progress Trends and Milestone Variance Forecasts

Day 5: Forensic Schedule Delay Analysis and Model Finalisation

- Schedule Disruption and Delay Categorisation — Classifying Excusable, Non-Excusable, and Compensable Events
- Forensic Schedule Analysis Implementation — Following AACE Recommended Practices for Retrospective Variance
- Time Impact Analysis Fragnet Insertion — Quantifying Schedule Impact Before Executing Major Scope Variations
- Contractual Extension of Time Substantiation — Aligning As-Built Program Records with Delay Protocols
- Integrated Baseline Schedule Model Package — Consolidating Final Critical Path Networks into the Dossier

Applying Oracle Primavera P6 Professional Project Planning and Scheduling After the Course

- Audit existing active project schedules against international schedule health standards, systematically resolving open-ended logic, redundant constraints, and unlinked milestones.
- Establish a formal progress updating routine incorporating physical percent complete rules, earned value calculations, and time impact fragnets to support monthly commercial claims.

Oracle Primavera P6 Professional Project Planning and Scheduling Questions FAQ

What is Oracle Primavera P6 Professional project planning and scheduling and why does it matter now?

It is the discipline of structuring, sequencing, resource-loading, and tracking capital project schedules within specialised enterprise software. It matters now because capital programmes face intense deadline constraints, requiring rigorous critical path governance and earned value transparency to safeguard project margins and prevent contractual delay disputes.

Which roles gain most from Oracle Primavera P6 Professional project planning and scheduling?

Project controllers, planning engineers, scheduling specialists, and commercial managers gain most. The practice enables these practitioners to coordinate multi-discipline work packages, validate critical contractor schedules, quantify project float consumption, and defensibly justify time extension entitlements during project execution.

How does this course differ from general project management courses?

General project management courses address broad management leadership, team communications, and basic budgeting frameworks. This course focuses specifically on technical CPM network calculation, algorithmic resource levelling, earned value schedule integration, and forensic delay fragnet modelling inside enterprise software environments.

What will you bring back to your organisation?

You bring back an operational Integrated Baseline Schedule Model, complete with rigorous work breakdown structures, validated driving logic relationships, resource allocations, and defensible delay analysis protocols ready for immediate implementation on enterprise projects.

Oracle Primavera P6 Professional Project Planning and Scheduling: The Way Forward

The Integrated Baseline Schedule Model provides delivery teams with a defensible, resource-validated road map from project initiation to final commissioning. It immediately guides baseline freeze and resource-levelling decisions across conflicting packages. Project leaders, project controllers, and lead schedulers should use this work product immediately, revisiting schedule float consumption and critical path stability after each major progress update.