CONCEPT

Oracle Primavera P6 Professional Project Planning and Scheduling Course

10 – 14 October 2027
Riyadh - KAFD district five-star



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Ref: 2251_31285 **Date:** 10 – 14 October 2027 **Location:** Riyadh - KAFD district five-star **Fees:** 20000 SAR

Introduction:

Oracle Primavera P6 Professional Project Planning and Scheduling Training Course is a one-week course for capital project schedulers and controls engineers, culminating in a Primavera P6 Integrated Baseline Schedule and Time Impact Package. Organisations frequently suffer schedule slippage, unsupported contractor claims, and misallocated resources when teams lack standardised network logic, disciplined baseline maintenance, and structured delay modelling. Nominees already build basic activity networks, assign durations, and track progress, with instruction delivered through a software lab. CoreConcept Training Center delivers this Oracle Primavera P6 Professional Project Planning and Scheduling Training Course to establish reliable scheduling governance.

Course Objectives:

- Construct work breakdown structures, activity dependencies, and project calendars adhering to PMI scheduling practice standards in Primavera P6
- Execute resource loading, cost budgeting, and resource levelling calculations to resolve allocation bottlenecks
- Maintain schedule baselines, track physical percent complete, and analyse Earned Value Management metrics within Primavera P6
- Formulate global change routines, custom user-defined fields, and layout filters to standardise project controls reporting
- Model prospective delay fragnets using AACE International Recommended Practice No. 52R-06 procedures to assess longest path impacts
- Evaluate retrospective project delays applying AACE International Recommended Practice No. 29R-03 forensic scheduling methodologies

Target Audience:

- Schedulers responsible for developing Critical Path Method networks, logic relationships, and milestone schedules
- Project controls specialists responsible for monitoring baseline variances, earned value metrics, and contractor progress updates
- Cost and planning engineers responsible for resource loading, expense profiling, and cash flow forecasting in scheduling software
- PMO analysts responsible for consolidating enterprise project structures, standardising schedule templates, and audit reporting
- Contract and delay analysts responsible for evaluating time extension requests and modeling delay impact fragnets

Course Outline:

Day 1: Enterprise Project Structure and Schedule Architecture Setup

- Enterprise Project Structure Configuring Corporate Portfolio Hierarchies in P6
- Work Breakdown Structure Establishing Deliverable Driven Control Accounts
- Project Calendar Tools Defining Operational Working Time and Exceptions
- Primavera P6 Activity Codes Structuring Multi Level Filtering Parameters
- Retained Logic Options Configuring CPM Scheduling Calculation Rules

Day 2: Network Logic Modeling and Critical Path Method Scheduling

- PMI Scheduling Standards Linking Precedence Diagramming Method Logic
- Primavera P6 Activity Types Assigning Task Dependent and Level of Effort
- Critical Path Method Calculating Total Float and Free Float
- Relationship Lag Parameters Analysing Predecessor Lead and Lag Dependencies
- Longest Path Calculations Identifying Critical Sequence Activities Under CPM

Day 3: Resource Loading, Expense Profiling and Cost Baselines

- Primavera P6 Resource Dictionary Defining Labour Nonlabour and Material
- Unit Rate Assignment Rules Establishing Activity Cost Accounts and Expenses
- Resource Levelling Tools Resolving Critical Profile Allocation Bottlenecks in P6
- S Curve Cash Flow Profiles Generating Cumulative Expense Forecasts
- Baseline Management Protocol Creating and Assigning Project Target Baselines

Day 4: Schedule Performance Tracking and Forensic Delay Analysis

- Progress Override Settings Recording Actual Dates and Remaining Duration
- Earned Value Management Calculating Schedule Variance and Performance Index
- AACE RP 52R 06 Procedures Inserting Fragnets for Time Impact Analysis
- AACE RP 29R 03 Protocols Evaluating Retrospective Delay Method Implementation
- Global Change Utility Executing Automated Activity and Parameter Updates

Day 5: Software Lab for Integrated Schedule Baseline and Delay Impact Submittals

- Primavera P6 Software Lab Constructing Resource Loaded Capital Schedule
- Retained Logic Calculation Tools Auditing Critical Path Continuity
- AACE RP 52R 06 Guidelines Simulating Prospective Delay Fragnets
- Earned Value Analytics Generating Cost and Schedule Variance Summaries
- Primavera P6 Integrated Package Finalising Approved Baseline and Delay Submittals

Skills You Will Gain:

- Work Breakdown Structure Decomposition
- Critical Path Float Analysis
- Multi-Resource Allocation and Levelling
- Schedule Baseline Management
- Earned Value Schedule Metrics Extraction
- Prospective Fragnet Delay Analysis
- Global Change Routine Development

Why Attend This Course:

- Deliver a Primavera P6 Integrated Baseline Schedule and Time Impact Package to project directors and PMO steering committees to secure formal schedule sign-off.
- Determine whether proposed contractor time extensions and schedule adjustments are substantiated using rigorous critical path fragnet analysis.
- Prevent uncoordinated site mobilisations, float dissipation disputes, and unmitigated schedule overruns through disciplined baseline change controls.
- Transfer standardised Primavera P6 layout configurations, global change scripts, and schedule update procedures to unit planning team members.

Conclusion:

Upon return, the organisation implements the Primavera P6 Integrated Baseline Schedule and Time Impact Package to manage capital project commitments and evaluate time extension requests. Project directors, PMO steering committees, and contract administrators use this deliverable to approve contractor baseline submittals, justify equitable schedule adjustments, and allocate physical resources across active work fronts. Three months after schedule implementation, the project controls oversight team should review variance thresholds, critical path continuity, and fragnet documentation accuracy to verify operational alignment with contractual milestone requirements.

Frequently Asked Questions FAQ:

Which roles should an organisation nominate for the Oracle Primavera P6 Professional Project Planning and Scheduling Training Course?

Project schedulers, project controls specialists, planning engineers, and PMO analysts should attend. Nominees are functionally responsible for developing critical path method baseline schedules, allocating physical resources, administering progress updates, and conducting delay impact assessments on capital delivery programmes.

What should nominees already do at work before attending the Oracle Primavera P6 Professional Project Planning and Scheduling Training Course?

Nominees should already prepare basic task schedules, assign activity durations, and record periodic site progress using project management software. Working knowledge of project lifecycle stages and network planning concepts ensures participants can successfully execute complex Primavera P6 scheduling operations and delay analyses.

What does the organisation receive when the participant returns from the Oracle Primavera P6 Professional Project Planning and Scheduling Training Course?

The organisation receives a Primavera P6 Integrated Baseline Schedule and Time Impact Package. This technical submittal includes a fully sequenced critical path network, resource-loaded cost forecasts, target baseline controls, and documented prospective fragnet delay models ready for project steering committee approval.

Which standards and frameworks does the Oracle Primavera P6 Professional Project Planning and Scheduling Training Course follow?

The course follows the PMI Practice Standard for Scheduling, AACE International Recommended Practice No. 52R-06 for prospective time impact analysis, and AACE International Recommended Practice No. 29R-03 for forensic schedule analysis, integrated with core Oracle Primavera P6 Professional software standards.