



Primavera P6 for Strategic Project Planning and Control Training Course

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كوالالمبور

(للشخص الواحد) € 5200

Ref: #CON1386_87333



:Course Introduction / Overview

This intensive training course provides a comprehensive framework for mastering strategic project planning, scheduling, and control using the powerful Primavera P6 Professional software. In today's competitive landscape, simply knowing how to operate software is insufficient; true project success hinges on the strategic application of project management principles. This course bridges that gap, transforming participants from software operators into strategic project controllers. As articulated by the renowned author Harold Kerzner in his seminal work, "Project Management: A Systems Approach to Planning, Scheduling, and Controlling," effective project management is a holistic discipline. This program, offered by BIG BEN Training Center, embodies that philosophy by integrating core project management theory with hands-on, practical application in Primavera P6. Participants will delve deep into creating robust project structures, defining a detailed work breakdown structure (WBS), implementing the critical path method (CPM), and mastering resource allocation and cost control. The curriculum is designed to empower professionals to not only build and manage complex schedules but also to perform insightful variance analysis, forecast project outcomes, and communicate project status effectively to stakeholders, ensuring projects .are delivered on time and within budget

:Target Audience / This training course is suitable for

- .Project Managers and Project Leaders •
- .Project Planners and Schedulers •
- .Project Control Professionals and Cost Controllers •
- .Engineers from all disciplines involved in project execution •
- .Program Managers and Portfolio Managers •
- .Site Managers and Construction Supervisors •
- .Procurement and Contract Managers •
- .(Members of the Project Management Office (PMO •

:Target Sectors and Industries

- .Construction and Engineering •
- .Oil and Gas Industry •
- .Manufacturing and Industrial Projects •
- .Information Technology and Telecommunications •
- .Government and Public Sector Agencies •
- .Aerospace and Defense •
- .Utilities and Energy Sector •
- .Pharmaceutical and Research Projects •

:Target Organizations Departments



- (Project Management Office (PMO
- Planning and Scheduling Department
- Engineering and Design Departments
- .Operations and Maintenance
- .Finance and Cost Control Department
- .Procurement and Contracts Department
- .Quality Assurance and Control

:Course Offerings

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

- .Develop a complete project plan from initiation to closure within the Primavera P6 environment
- .Create and manage a detailed Work Breakdown Structure (WBS) and activity list
- .(Define and sequence project activities using the Critical Path Method (CPM
- .Allocate and manage project resources, including labor, materials, and equipment
- .Implement robust cost loading and earned value management (EVM) techniques
- .Establish and manage multiple project baselines for performance comparison
- .Track project progress accurately and perform insightful variance analysis
- .Generate customized, professional reports and graphical outputs for stakeholders

:Course Methodology

The training methodology at BIG BEN Training Center is designed to be highly interactive, practical, and engaging, ensuring that participants gain both theoretical knowledge and real-world skills. This course moves beyond traditional lectures, adopting a hands-on, workshop-style approach where participants actively use Primavera P6 from day one. The learning process is built around a series of comprehensive, industry-relevant case studies that simulate real project challenges. Participants will work individually and in teams to plan, schedule, and control a project from start to finish, allowing them to apply concepts immediately and reinforce their learning. Our expert instructors facilitate a dynamic learning environment, encouraging group discussions, collaborative problem-solving, and the sharing of professional experiences. Each module includes practical exercises, interactive sessions, and continuous feedback to address individual queries and ensure a thorough understanding of the material. This immersive, application-focused methodology guarantees that participants leave the course with the confidence and competence to apply their new skills directly to their work environment, delivering immediate value to their organizations.

:(Course Agenda (Course Units

Unit One: Foundations of Project Management and Primavera P6

- .Introduction to Project Management Principles
- .Navigating the Primavera P6 Professional Interface
- .(Understanding the Enterprise Project Structure (EPS
- .(Defining the Organizational Breakdown Structure (OBS
- .Project and Setting Up Project Calendars



Unit Two: Developing the Detailed Project Schedule

- Configuring User Preferences and Admin Settings •
- Introduction to Work Breakdown Structures (WBS) •
- Work Breakdown Structure (WBS) Hierarchy •
- Defining Project Activities and Milestones •
- Understanding Activity Types and Durations •
- Establishing Activity Relationships and Dependencies •
- Applying Project Constraints and Lags •
- (Performing a Schedule Calculation using the Critical Path Method (CPM) •
- Organizing and Filtering Project Data •

Unit Three: Mastering Resource and Cost Management

- Defining Project Roles and Resources •
- Assigning Resources to Project Activities •
- Analyzing Resource Allocation and Creating Resource Histograms •
- Techniques for Resource Leveling and Optimization •
- Defining Cost Accounts and Assigning Expenses •
- Cost Loading the Project Schedule •
- Understanding S-Curves for Cost and Resource Distribution •

Unit Four: Project Execution, Monitoring, and Control

- Creating and Managing the Project Baseline •
- Methods for Updating the Project Schedule •
- Recording Actual Progress and Costs •
- Comparing the Current Schedule with the Baseline •
- (Introduction to Earned Value Management (EVM) •
- (Analyzing Schedule and Cost Variances (SV and CV) •
- Forecasting Project Completion Dates and Costs •

Unit Five: Advanced Analysis, Reporting, and Project Closure

- Using Activity Codes and User Defined Fields for Analysis •
- Advanced Scheduling Techniques and What-If Scenarios •
- Creating and Customizing Reports and Layouts •
- Generating Graphical Outputs like Gantt Charts and S-Curves •
- Managing Project Portfolios and Multiple Projects •
- Executing Project Closeout Procedures in P6 •
- Best Practices for Database Maintenance and Archiving •

?Qualifications required for registering to this course

.There are no requirements

**How long is each daily session, and what is the total number of training hours for
?the course**

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and .interactive activities, bringing the total duration to 20 - 25 training hours

:Something to think about

Beyond tracking time and cost, how can the data-rich environment of Primavera P6 be leveraged to foster a ?proactive, risk-aware culture within a project team

**What unique qualities does this course offer compared to other
?courses**

This course distinguishes itself by focusing on the strategic application of Primavera P6 as a project control tool, rather than merely teaching software functionalities. While many courses cover the "how-to" of P6, our curriculum emphasizes the "why," connecting every technical skill to strategic project management objectives. We move beyond basic schedule creation to instill a deep understanding of how to use the software for proactive decision-making, risk mitigation, and stakeholder communication. The core of our approach lies in industry-specific, real-world case studies that challenge participants to solve complex planning and control problems, ensuring the skills learned are practical and immediately applicable. Furthermore, our expert instructors are seasoned project management professionals who provide invaluable insights into best practices and common pitfalls. The program is designed not just to create proficient P6 users, but to cultivate strategic thinkers who can leverage the tool's full potential to drive project success, analyze performance with critical depth, and align project execution with overarching business goals. This strategic, hands-on, and insight-driven approach provides a level of mastery that is .unparalleled