



Consulting and Training | Reach New Heights

Course Name

Project Planning and Control Excellence

Sector Name

Project & Contract Management

Document Type

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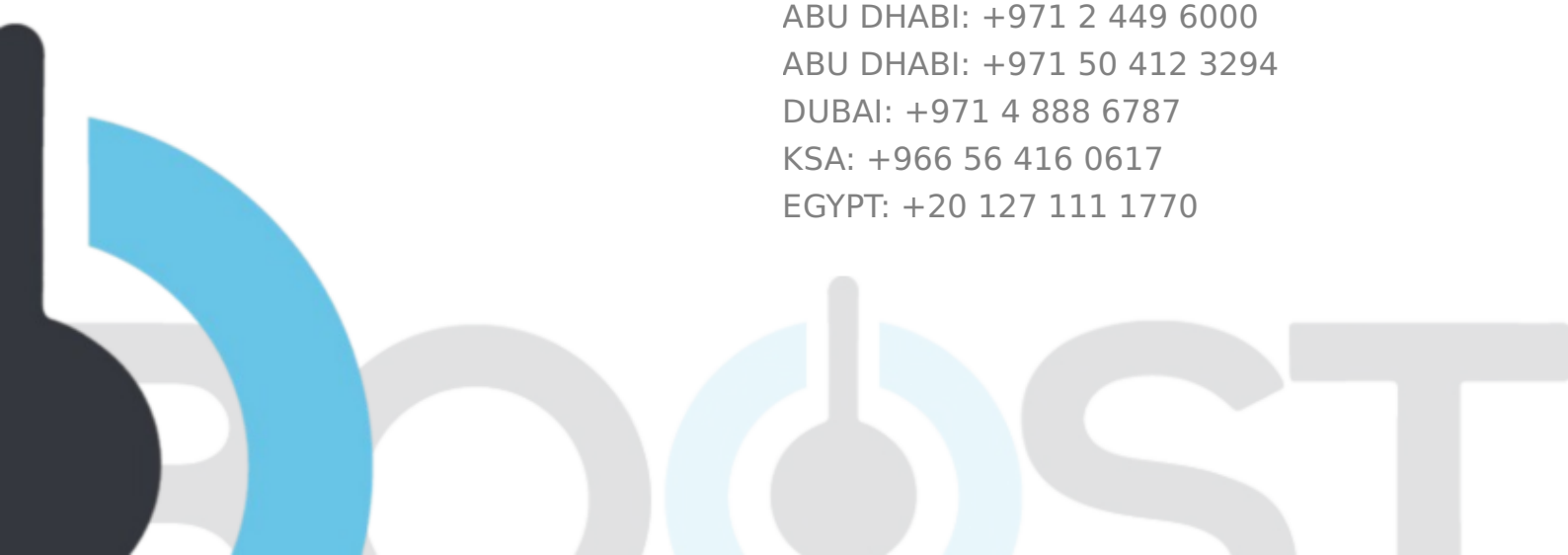
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Project Planning and Control Excellence

Course Introduction

Project Planning and Control Excellence is an advanced, practical program designed to strengthen participants' ability to develop robust project plans, establish realistic baselines, monitor performance, forecast outcomes, and implement timely corrective actions throughout the project lifecycle.

The program integrates the key dimensions of scope, schedule, cost, resources, risk, change, and performance measurement into a unified project-control framework. Participants will learn how to translate project objectives into structured work packages and schedules, establish control baselines, analyze deviations, evaluate schedule and cost performance, and produce reliable forecasts for management decision-making.

A strong emphasis is placed on practical project-control techniques including Work Breakdown Structures (WBS), network scheduling, Critical Path Method (CPM), resource planning, Earned Value Management (EVM), variance analysis, forecasting, change control, trend analysis, dashboards, and recovery planning.



By the end of the program, participants will be equipped to move beyond simply reporting project status toward proactively identifying emerging problems, assessing their impact, and recommending effective corrective and recovery actions.

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Target Audience

- ✓ Project team leads and managers
- ✓ Project coordinators and administrators
- ✓ Project management officers
- ✓ Top management of an organization that needs to understand the importance and requirement of training in project planning and control for project managers and other project management professionals
- ✓ Any professional in an organization who would be handling smaller projects within their teams or departments
- ✓ Any other professional who would like to build a career in project management and enhance their skills in planning and control

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Learning Objectives

- ✓ Develop integrated and realistic project plans aligned with strategic and contractual objectives.
- ✓ Build effective Work Breakdown Structures and translate scope into measurable work packages.
- ✓ Develop logic-driven project schedules using dependencies, milestones, constraints, and critical-path analysis.
- ✓ Establish and maintain approved scope, schedule, and cost baselines.
- ✓ Apply effective resource planning, allocation, and optimization techniques.
- ✓ Monitor actual project performance against approved baselines.
- ✓ Apply Earned Value Management to measure schedule and cost performance.
- ✓ Analyze schedule and cost variances and determine their underlying causes.
- ✓ Develop reliable forecasts for project completion dates and final costs.
- ✓ Establish effective project reporting and management dashboards.
- ✓ Manage project risks, changes, trends, and emerging issues within an integrated control framework.
- ✓ Develop corrective actions, recovery plans, and management recommendations for underperforming projects.

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Course Outline

✓ Day 01

Integrated Project Planning and Baseline Development

Module 1: Project Planning and Control Framework

- ✓ Project planning versus project controls.
- ✓ The project lifecycle from initiation through closeout.
- ✓ Integrating scope, schedule, cost, resources, risk, and quality.
- ✓ Governance and responsibilities within project controls.
- ✓ Role of the project manager, planner, scheduler, cost controller, and PMO.
- ✓ Moving from activity tracking to performance-based project control.

Module 2: Scope Definition and Work Breakdown Structure

- ✓ Translating project objectives into measurable deliverables.
- ✓ Developing the Work Breakdown Structure (WBS).
- ✓ WBS dictionaries and work packages.
- ✓ Organizational Breakdown Structure (OBS).
- ✓ Responsibility Assignment Matrix (RAM).
- ✓ Establishing control accounts.
- ✓ Preventing scope gaps and uncontrolled scope growth.

Module 3: Developing the Integrated Project Management Plan

- ✓ Planning assumptions and constraints.
- ✓ Project milestones and stage gates.
- ✓ Integrating subsidiary plans.
- ✓ Establishing the Scope Baseline.
- ✓ Schedule and Cost Baselines.
- ✓ Understanding the Performance Measurement Baseline (PMB).

Practical Workshop: Develop a WBS, responsibility matrix, key milestones, and initial control structure for a case-study project.

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✓ Day 02

Advanced Scheduling and Critical Path Management

Module 4: Building a Logic-Driven Project Schedule

- ✓ Activity definition and sequencing.
- ✓ Dependencies and network logic.
- ✓ Finish-to-Start, Start-to-Start, Finish-to-Finish, and Start-to-Finish relationships.
- ✓ Leads, lags, and constraints.
- ✓ Developing realistic activity durations.
- ✓ Milestone planning.
- ✓ Schedule levels and schedule hierarchy.

Module 5: Critical Path Method and Schedule Analysis

- ✓ Forward and backward pass calculations.
- ✓ Early and late dates.
- ✓ Total Float and Free Float.
- ✓ Identifying the Critical Path.
- ✓ Near-critical activities and schedule sensitivity.
- ✓ Multiple critical paths.
- ✓ Understanding schedule drivers.

- ✓ Avoiding excessive constraints and distorted logic.

Module 6: Resource Planning and Schedule Optimization

- ✓ Resource estimation and allocation.
- ✓ Resource loading.
- ✓ Identifying resource conflicts.
- ✓ Resource leveling and smoothing.
- ✓ Schedule compression.
- ✓ Fast tracking versus crashing.
- ✓ Evaluating schedule acceleration options.

Practical Workshop: Build and analyze a project network, calculate the Critical Path and float, and evaluate schedule-compression alternatives.

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✓ Day 03

Cost Planning, Earned Value and Performance Measurement

Module 7: Project Cost Planning and Budget Control

- ✓ Developing project cost estimates.
- ✓ Cost Breakdown Structure (CBS).
- ✓ Time-phased project budgets.
- ✓ Cost loading the project schedule.
- ✓ Establishing the Cost Baseline.
- ✓ Commitments, actual costs, accruals, and forecasts.
- ✓ Contingency versus management reserve.

Module 8: Earned Value Management (EVM)

- ✓ Planned Value (PV).
- ✓ Earned Value (EV).
- ✓ Actual Cost (AC).
- ✓ Schedule Variance (SV).
- ✓ Cost Variance (CV).
- ✓ Schedule Performance Index (SPI).
- ✓ Cost Performance Index (CPI).

- ✓ Interpreting EVM results for management decisions.

Module 9: Forecasting Project Outcomes

- ✓ Budget at Completion (BAC).
- ✓ Estimate at Completion (EAC).
- ✓ Estimate to Complete (ETC).
- ✓ Variance at Completion (VAC).
- ✓ Different EAC forecasting methodologies.
- ✓ To-Complete Performance Index (TCPI).
- ✓ Forecasting final project cost and completion performance.
- ✓ Identifying deteriorating performance trends early.

Practical Workshop: Calculate EVM indicators for a live project scenario and develop an updated cost forecast and management recommendation.

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✓ Day 04

Monitoring, Change, Risk and Integrated Project Control

Module 10: Progress Measurement and Schedule Updating

- ✓ Establishing the project status date.
- ✓ Collecting reliable progress information.
- ✓ Physical progress versus duration progress.
- ✓ Rules of credit and weighted milestones.
- ✓ Updating actual starts and finishes.
- ✓ Remaining duration and revised forecasts.
- ✓ Identifying slippage and emerging delays.
- ✓ Maintaining baseline integrity.

Module 11: Variance and Trend Analysis

- ✓ Baseline versus actual performance.
- ✓ Schedule variance analysis.
- ✓ Cost variance analysis.
- ✓ Milestone trend analysis.
- ✓ Root-cause analysis.
- ✓ Trend identification and early-warning indicators.

- ✓ Distinguishing symptoms from underlying causes.
- ✓ Developing actionable project-control insights.

Module 12: Integrated Change and Risk Control

- ✓ Identifying and documenting project changes.
- ✓ Change requests and impact assessment.
- ✓ Evaluating schedule and cost implications.
- ✓ Change Control Board governance.
- ✓ Approved versus unapproved changes.
- ✓ Baseline revisions and maintaining audit trails.
- ✓ Integrating project risks with schedule and cost controls.
- ✓ Risk response monitoring.
- ✓ Contingency drawdown and control.

Practical Workshop: Assess a major project change, quantify its schedule/cost impact, and prepare a recommendation for management approval.

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✓ Day 05

Forecasting, Recovery Planning and Executive Project Reporting

Module 13: Advanced Forecasting and Recovery Planning

- ✓ Forecasting project completion.
- ✓ Identifying schedule and cost deterioration.
- ✓ Delay and slippage analysis.
- ✓ Prioritizing corrective actions.
- ✓ Developing schedule recovery plans.
- ✓ Re-sequencing activities.
- ✓ Resource optimization and acceleration.
- ✓ Assessing the cost of recovery.
- ✓ Establishing realistic revised targets.

Module 14: Project Controls Dashboards and Management Reporting

- ✓ Designing meaningful project KPIs.
- ✓ Schedule and cost performance dashboards.
- ✓ Milestone status and trend reporting.
- ✓ S-curves and progress curves.
- ✓ Cash-flow and expenditure profiles.

- ✓ Risk and change dashboards.
- ✓ RAG status reporting.
- ✓ Exception-based reporting.
- ✓ Turning project data into management insight.
- ✓ Developing concise executive project reports.

Module 15: Project Control Excellence and Governance

- ✓ Establishing an effective project-control cycle.
- ✓ Data quality and reporting discipline.
- ✓ Project-control calendars and cut-off dates.
- ✓ Lessons learned and continuous improvement.
- ✓ Integrating planning, controls, risk, and governance.
- ✓ Building organizational project-control maturity.
- ✓ Developing a project-controls improvement roadmap.

Final Integrated Case Study

Participants manage an underperforming project using an integrated case study. They will:

- ✓ Review the approved baseline.
- ✓ Analyze current schedule and cost performance.
- ✓ Calculate key EVM indicators.
- ✓ Identify critical delays and performance trends.
- ✓ Assess risks and changes.
- ✓ Forecast final cost and completion.
- ✓ Develop a recovery strategy.
- ✓ Prepare an executive project-control dashboard.
- ✓ Present recommendations to a simulated project steering committee.

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 26, 2027	April 30, 2027	5 days	4250.00 \$	UAE , Dubai
Nov. 9, 2026	Nov. 13, 2026	5 days	4250.00 \$	UAE , Abu Dhabi
Jan. 24, 2027	Jan. 28, 2027	5 days	4250.00 \$	Bahrain , Manama
Sept. 6, 2027	Sept. 10, 2027	5 days	5950.00 \$	Switzerland , Zurich
Nov. 22, 2026	Nov. 26, 2026	5 days	4250.00 \$	KSA , Riyadh
Nov. 22, 2026	Nov. 26, 2026	5 days	2150.00 \$	Virtual , Online

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