



Project & Contract Management

## Project Scheduling and Cost Control

## Course Introduction

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This Project Scheduling and Cost Control training program will provide participants with a thorough background in the concepts of Planning and Scheduling projects. The training program focuses on topics such as project estimating basics, developing and controlling budget, measuring risk and measuring project performance. It will discuss the development of a baseline performance management plan for the project that will allow the efficient compilation and the timely generation of quantitative performance comparisons. The comparisons highlight significant performance departures ("actual vs. baseline") and allow for preventive and early remedial and corrective actions.

## Target Audience

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This program is intended for those who have a role in various projects such as cost estimators, project schedulers, project designers, project planner, contracts professionals, project procurement and purchasing staff, and project control and business services professionals who have the responsibility for preparing cost / schedule estimates and project proposals in client and contracting companies.

## Learning Objectives

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- Manage and mitigate schedule, cost, scope, and resource risks associated with the project

- Develop a project recovery plan for budget and schedule overruns
- Identify value mismatches through the ratio of whole life costing
- Capture & incorporate stakeholders' input in the development of the project charter & plan
- Know the fundamental concepts of Value Engineering and Analysis

## Course Outline

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- Day 01

### **Project Estimating Basics**

- Basic Project Management definitions
- Triple Constraints – Time, Cost, Scope
- Project Selection Methods
- Defining the Project Scope
- Cost & Schedule Estimation, Cost Budgeting & Control
- Project Schedule Planning and Critical Path Method

- Day 02

### **Developing Project Budget & Schedule Control**

- Project management inputs to cost budgeting
- Resource Requirements
- Direct & Indirect Project Costs
- Planning and Scheduling Limited Resources

- Options for Accelerating the Schedule
- Crashing the Schedule - How?

• Day 03

## **Managing the Risk**

- Risk Identification, Analysis & Management
- Contingency Reserve
- PERT, Probability and Standard Deviation Formulae
- Network Activity Risk Profiles
- Application: Estimating Project Duration
- Project Risk Strategies

• Day 04

## **Measuring Project Performance**

- Balanced Project Schedule without Buffers (Finish-Start) and Inserting Buffers
- Comparison of Unbalanced with Balanced Schedules
- Measuring Planned Progress on Schedule
- Risk distribution in contracting
- Actual Progress and Work Conditions
- Managing Variable Conditions

• Day 05

## **Managing and Recovering Project Estimates**

- Schedule Variances & Cost Variances
- Progress Control Charts - Trend Analysis
- Schedule and Cost Variance Forecasting
- Schedule and Cost Recovery Analysis
- Schedule and Cost Recovery Plan
- Project Recovery Baselines and Controls

# Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 6, 2025	April 10, 2025	5 days	4250.00 \$	KSA - Riyadh
Sept. 1, 2025	Sept. 5, 2025	5 days	4250.00 \$	UAE - Dubai
Nov. 10, 2025	Nov. 14, 2025	5 days	5950.00 \$	switzerland - Geneva