

Project Planning, Scheduling & Cost Estimating Skills Course

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Barcelona (Spain)

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PARTNER



The Program Flow

Day 1: Project Scope Planning and Definition

- Develop project charters and clarify project objectives.
- Define project scope, boundaries, deliverables, and success criteria.
- Build Work Breakdown Structures to organize project work.
- Identify project milestones and key outputs.
- Determine resource requirements linked to project deliverables and activities.

Day 2: Project Scheduling Techniques

- Create network diagrams and define activity relationships.
- Apply critical path analysis to identify schedule drivers.
- Sequence activities and estimate durations.
- Develop schedules using Gantt charts.
- Apply resource allocation and leveling to manage capacity and conflicts.

Day 3: Cost Estimating Fundamentals

- Understand different types of cost estimates and their applications.
- Apply cost estimating techniques across project phases.
- Develop budget estimates based on scope, resources, and schedule assumptions.
- Create cost baselines for project monitoring and control.
- Apply cost risk analysis and contingency planning.

Day 4: Advanced Scheduling and Cost Control

- Apply schedule compression techniques such as crashing and fast-tracking.
- Develop cost-loaded schedules and cash flow projections.
- Understand Earned Value Management principles.
- Measure project performance using schedule and cost indicators.
- Use forecasting techniques to anticipate future project performance.

Day 5: Project Recovery and Optimization

- Analyze schedule and cost variances.
- Identify root causes of delays and budget overruns.
- Develop project recovery plans.
- Optimize project schedules and budgets.
- Apply best practices in project planning, control, and continuous improvement.

Individual Impact

- Build confidence in creating realistic project plans and schedules.
- Strengthen skills in scope definition, WBS development, and milestone planning.
- Improve cost estimating, budgeting, and contingency planning capabilities.
- Gain practical ability to apply critical path and earned value techniques.
- Develop stronger project recovery and performance control skills.

Work Impact

- Improve project delivery predictability and control.
- Reduce delays and cost overruns through better planning and monitoring.
- Strengthen resource allocation and schedule optimization.
- Improve financial visibility through cost baselines and cash flow planning.
- Support better decision-making through variance analysis and recovery planning.

Training Methodology

This program combines project planning concepts with practical application through:

- Scope planning and WBS development exercises.
- Network diagramming and critical path workshops.
- Gantt chart and schedule development activities.
- Cost estimating and budget baseline exercises.
- Earned Value Management and forecasting practice.
- Project recovery, variance analysis, and optimization case studies.

Beyond the Course

Upon completion, participants will be able to:

- Create accurate project schedules using critical path methods.
- Develop reliable cost estimates for different project phases.
- Build project budgets, cost baselines, and cost-loaded schedules.
- Apply Earned Value Management for project control.
- Analyze schedule and cost variances effectively.
- Design practical project recovery and optimization strategies.

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles and the text 'UK Training PARTNER' in a bold, black, sans-serif font.

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