

€ TRAINING

Advanced Project Management





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Introduction

This training program caters to experienced project managers aiming to master advanced project and program management techniques for complex projects. Aligned with the PMI®'s PMBOK®, it emphasizes integrating project management processes into organizational culture with senior management support.

Program objectives:

At the end of this program, the participants will be able to:

- Enhance risk management practices across the project life cycle.
- Implement robust metrics for tracking project progress, minimizing speculation.
- Enhance management strategies for challenging vendors.
- Refine time and cost estimates, particularly for high-risk projects.
- Mitigate cost and schedule risks using advanced methodologies.
- Ensure accurate progress reporting and enhance stakeholder engagement on complex projects.

Targeted Audience:

- Project managers and team leaders.
- Program and Operations managers.
- Project coordinators.
- Business analysts.
- Team members assigned to projects.
- Project control professionals.
- Construction managers and supervisors.

Program outline:

Unit 1:

Introduction:

- Why do we do projects?
- What is a project?
- What is project management?
- Project Delivery Systems / Life-cycle Models.
- Initiating.

Unit 2:

Project selection:

- Qualitative techniques and Quantitative techniques - Economic Evaluation.
- Selecting the right project manager.
- Project Objectives and Stakeholder assessment - who wants what?
- Identification of stakeholders.
- Stakeholder management and analysis.

Unit 3:

Planning:

- Task Characteristics and Duration Assessment.
- Planning and Scheduling Methods.
- Critical Path vs Critical Chain Scheduling.
- Resource Allocation Methods.
- Time-Cost Trade-off.
- Lead/Lag Scheduling.
- Critical Chain scheduling.

Unit 4:

Proactive Project Risk Management:

- What do we mean by risk?
- Risk vs. uncertainty.

- Attitudes towards risk.
- Risk identification, factors, sources, and analysis approaches.
- Qualification and quantification of probability and impact.
- Dealing with subjective elements of risk.
- Risk strategies.

Unit 5: Executing, Monitoring and Controlling:

- Lean Construction Strategies.
- Staff Acquisition.
- Team Development and Motivation.
- Leadership vs Management.
- Management styles and Conflict Handling.
- Using Earned Value to report accomplishment.
- Implementing Risk strategies.