

Introduction to the Project Management Course

This advanced training seminar in project management is designed for professionals who wish to strengthen their expertise by mastering advanced strategies and techniques. It provides participants with the skills required to ensure the success of projects of varying sizes, complexities, and levels of risk.

Participants will gain insight into the culture of project management and understand the critical role played by senior management in fostering its success across the organization.

The program focuses on refining project scope management and advancing stakeholder analysis, equipping participants with modern tools and strategies to manage stakeholder engagement effectively while integrating quality processes throughout the project lifecycle.

Attendees will also explore the latest innovations in project planning, estimation, and scheduling. They will study concepts such as queuing theory and the Theory of Constraints, also known as Critical Chain Project Management, which together form a strong foundation for developing reliable and efficient project plans.

Furthermore, the course provides an in-depth understanding of program risk and uncertainty analysis. Participants will learn strategies to manage uncertainty, evaluate the network effects of project risks, and apply advanced methods for identifying and assessing risks.

Intended Audience for the Training Seminar

- Project managers
- Members of project management offices
- Project sponsors
- Functional managers
- Senior management
- Individuals pursuing a Foundations of Project Management Certificate or a Project Management Master Certificate

Objectives of the Advanced Project Management Training Conference

By the end of the training seminar, participants will be able to:

- Strengthen risk management across every stage of a project.
- Apply measurable metrics to track project performance rather than relying on speculative methods.
- Handle challenges associated with demanding or difficult vendors more effectively.
- Improve accuracy in estimating timeframes and costs for critical projects.
- Reduce cost and scheduling risks through advanced and proven methods.

- Deliver accurate progress reports for large, complex, and high-risk projects.
- Enhance stakeholder communication and engagement.
- Develop and apply the interpersonal skills essential for successful project leadership.
- Communicate with clarity across all organizational levels, from team members to executive leadership.
- Define project objectives and assign responsibilities clearly.
- Utilize advanced scheduling methods that support project monitoring and analysis.
- Implement effective risk management, contingency planning, and change control procedures.
- Establish priorities and allocate responsibilities to achieve project goals efficiently.

Key Competencies of the Advanced Project Management Course

Upon completing this program, participants will develop competencies in:

- Mastering advanced scheduling methods and tools
- Designing and executing contingency plans
- Aligning project deliverables and performance drivers with organizational objectives
- Building strong teamwork and effectively managing conflicts
- Selecting and mentoring highly capable project managers
- Developing knowledge of purchasing, supply chain management, and contract administration
- Establishing sustainable relationships with suppliers
- Strategically planning and optimizing resource use
- Applying methods to thrive in environments with limited resources

Content of the Project Management Seminar

Unit 1: Introduction to the Fundamentals of Project Management

- The importance of projects in achieving organizational success
- Defining what constitutes a project
- Principles and foundations of project management
- Overview of project delivery systems and lifecycle models

Unit 2: Advanced Project Selection and Leadership

- Application of qualitative and quantitative project selection methods
- Economic evaluation techniques
- Choosing effective project leaders
- Identifying project objectives and key stakeholders

- Conducting comprehensive stakeholder analysis

Unit 3: Planning in Advanced Project Management

- Evaluating task characteristics and estimating duration
- Modern methodologies for project planning and scheduling
- Comparing critical path scheduling with critical chain scheduling
- Optimizing resource allocation
- Applying time-cost trade-off techniques
- Understanding and applying lead and lag scheduling

Unit 4: Proactive Project Risk Management

- Distinguishing between risk and uncertainty
- Analyzing organizational and individual attitudes towards risk
- Identifying risks: sources, factors, and methods
- Applying techniques for risk analysis
- Assessing probability and impact of risks, both quantitatively and qualitatively
- Addressing subjective aspects of risk perception
- Developing comprehensive risk management strategies

Unit 5: Executing Advanced Project Management

- Implementation of lean construction strategies
- Methods for effective staff acquisition
- Best practices in team development and motivation
- Comparing leadership and management approaches
- Understanding diverse management styles and conflict resolution strategies

Unit 6: Monitoring, Controlling, and Closing Projects

- Applying earned value management for measuring project progress
- Implementing proactive risk management during project execution
- Best practices for project closure and completion