MERCURY

Technical Project Management Training Course

12 – 16 April 2027
Milan (Italy)

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Technical Project Management Training Course

Ref: 9217_1079780 **Date:** 12 – 16 April 2027 **Location:** Milan (Italy) **Fees:** 6200 Euro

Introduction:

It is widely recognized that Project Management is vital to business success, especially during times of uncertainty and operational disruption. As projects become complex and more organizations move to management by projects, there is an increasing demand for competent project managers.

Surprisingly, many projects go wrong, and the question is: why do they go wrong? Most answers have little to do with project size or degree of complexity but have much to do with competent project planning and control. The technical project management cause of failures can often be traced back to poor project definition, planning, or control.

Among the three desired project management skills, technical knowledge is a crucial component employers require. While leadership is paramount, a project's success requires making 'good' informed decisions based on solid data. Yet, only some managers have had formal training in decision-making and project control.

This technical project management course provides the training to estimate, plan, and control your project. The technical project management training shows you how to translate data into action that ultimately saves the project.

What is Technical Project Management?

The Technical Project Management Training Course is designed to equip aspiring or current Technical Project Managers with the essential skills and knowledge required for success in this role.

A Technical Project Manager, often called TPM, oversees projects involving complex technical elements. Their responsibilities encompass coordinating the planning, execution, and delivery of technical projects while ensuring they align with organizational goals and requirements.

Key roles and responsibilities of a Technical Project Manager include efficiently managing project timelines, budgets, and resources, collaborating with cross-functional teams, and mitigating risks associated with technical implementations.

Individuals must blend technical expertise and project management skills to excel in this role. Some essential technical project management skills include proficiency in project planning, scheduling, and resource allocation and a solid understanding of relevant technologies and tools.

Completing a Technical Project Management course can lead to certification, validating one's competence in this specialized field. Such certification demonstrates mastery of technical project management tools and methodologies, enabling professionals to advance their careers and contribute effectively to their organizations.

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Targeted Groups:

- Project Management Professionals.
- IT Professionals.
- Business Professionals.
- Individuals who want to sharpen their project management skills.

Course Objectives:

At the end of this technical project management course, the participants will be able to:

- Understand the project's economic evaluation and cash flow.
- Understand project estimating and budgeting.
- Learn about project planning and scheduling using networks.
- Explore the elements of Successful control systems and cost management.
- Learn techniques for project control and Earned Value Management.
- Learn about project reporting.

Targeted Competencies:

At the end of this technical project management training, the target competencies will:

- Knowledge of Project Economic Evaluation.
- Understanding and handling Project Risk.
- Develop estimates and budgets.
- Understand Project Planning.
- Correct application of Project Control.

Course Content:

Unit 1: Overview of Project Management:

- Projects in contemporary organizations.
- Project delivery systems.
- The nature and context of project management.
- Leadership, power, and influence.
- The project control cycle.

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Unit 2: Project Estimating:

- Developing a work breakdown structure.
- Risk terminology.
- Objective and subjective risk assessment.
- Basic techniques for handling risk.
- Cost fundamentals.
- Cost Estimation: Approximate and detailed estimates.
- Direct and indirect costs.

Unit 3: Project Planning:

- Fundamentals of project planning.
- Network analysis techniques.
- Critical path scheduling.
- Resource allocation.
- Resource leveling.
- Compressing schedules.
- Monitoring and control using networks.

Unit 4: Project Control:

- What is a control system?
- The concept of variance.
- Time-cost trade-off.
- Cash flow analysis.
- Earned value management

Unit 5: Project Reporting and Advanced Topics:

- Economic evaluation of projects.
- Interest & bid unbalancing.
- Integration of estimating, planning, and control.
- Lean project management: concept and applications.

Conclusion:

Upon completing the Technical Project Management Training Course, participants comprehensively understand the critical aspects of this specialized role.

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The course delves into the core responsibilities of a Technical Project Manager, encompassing project planning, execution, and delivery while seamlessly integrating complex technical elements. Participants explore critical technical project management tools and methodologies essential for successful project outcomes.

Through this training, individuals enhance their technical project management skills, such as effective communication, stakeholder engagement, risk management, and resource allocation. They acquire proficiency in utilizing project management software and tools to streamline processes and optimize project workflows.

Furthermore, obtaining a technical project management certificate validates the mastery of these skills, providing professionals with a credential that enhances career prospects and underscores their ability to lead and deliver technically challenging projects.

The Technical Project Management Training Course equips participants with the expertise and credentials necessary to excel as Technical Project Managers, enabling them to navigate complex project environments with confidence and efficiency.