MERCURY

Project Management for Professionals



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Introduction:

This course is intended to examine advanced project and program management techniques, building on the basics to help ensure success even for large and risky projects and programs. This program stresses project management processes as an integral part of organizational culture and what senior management must do to support it and make it successful within an organization.
Project scope management and stakeholder analysis work continues to improve across the project and program management discipline. Learn the newest tools and technologies for handling stakeholders, and building quality into your project.
Learn the newest concepts and techniques for project planning, estimating, and scheduling. Discover how queuing theory, the Theory of Constraints Critical Chain Project Management, and other advanced concepts can help you develop solid, reliable, efficient, and effective project plans.

Targeted Groups:

- Project Managers
- Members of Project Offices
- Project Sponsors
- Functional Managers
- Senior Management and Individuals Interested in Project Management

Course Objectives:

At the end of this course the participants will be able to:

- Improve stakeholder communication and involvement
- Understand and master the people skills needed for effective project management
- Develop skills to communicate horizontally across functional levels and vertically with senior levels of management
- Define project objectives and assignments
- Utilize scheduling methods and tools to support project control and analysis
- Develop and utilize risk management, contingency planning and change control

Targeted Competencies:

- Advanced tools for scheduling and control
- Planning for contingencies
- Aligning projects to the enterprise by defining project drivers and considerations
- Skills to enhance teamwork and managing conflict
- To select, develop and evaluate Project Managers
- Optimization planning

Course Content
Unit 1: Introduction to Project Management:

- Welcome and Introduction & Introducing course objectives.

- Advantages of Using Formal Project Management
- Project definition and attributes
- Project Management
- Chapter Summary
- Q &A & homework

Unit 2: Information Technology Context:

- Quick review of the last session
- Homework solution
- Systems approach
- Organizational Structures
- Organizational Culture
- Project Phases and the Project Life Cycle
- Q&A & Homework

Unit 3: The Project Management Process:

- Quick review of the last session
- Homework solution
- Project Management Process Groups and Knowledge Areas
- Project Initiation
- Project Planning
- Gantt chart - case study
- Prioritized Risks
- Project Executing, monitoring, controlling and closing
- Project Scope Management
- Q&A & Homework

Unit 4: Project Integration Management:

- Homework solution
- Project Integration Management
- Strategic Planning and Project Selection
- Financial Analysis of Projects
- Implementing a Balanced Scorecard
- Integration management components project Charters, scope, plan, stakeholder analysis, execution, culture, controlling, change control, closing.
- Using Software to Assist in Project Integration Management
- Chapter Summary
- Q&A & Homework

Unit 5: Project Scheduling: PERT/CPM:

- Quick review of the last session
- Homework solution
- Project Scheduling: PERT/CPM
- Application 1
- Uncertain Activity Times
- Application 2
- Pert/ cost
- Q&A

- General review