PM 381 – Project Schedule and Cost Control
Course Outline

Revised: 2020

PMBoK Guide Knowledge Area:
Schedule Management, Cost Management

Course Description:

This course is designed for a broad audience of project management professionals, including project managers, IT project managers, project coordinators, project analysts, project leaders, senior project managers, team leaders, product managers, and program managers. It offers an in-depth exploration of the fundamental and advanced aspects of project schedule and cost management. The course covers key topics such as scope definition, schedule planning, resource allocation, and budgeting, with a strong focus on practical applications and real-world examples. Participants will engage in interactive workshops to apply concepts such as critical path method (CPM), earned value management (EVM), and risk assessment to ensure precise project execution and financial control.

Course Learning Outcomes:

Upon successful completion of this course, participants will be able to:

- Master the core principles of schedule and cost management crucial for project success.
- Develop comprehensive project scopes and detailed, actionable schedules.
- Efficiently allocate resources using sophisticated planning tools.
- Formulate and manage robust project budgets that align with organizational objectives.
- Implement effective monitoring and controlling mechanisms for schedule and cost.
- Integrate risk management strategies to mitigate financial and schedule-related risks.
- Enhance decision-making capabilities through real-time data analysis and performance metrics.

Course Topics:

1. **Introduction to Schedule and Cost Management**
   - Overview of project scheduling and cost control
   - Importance of integrating schedule and cost in project management

2. **Scope and Schedule Development**
   - Defining project scope
   - Techniques for developing project schedules
   - Tools for schedule planning (e.g., Gantt charts, critical path method)

3. **Resource Planning**
   - Identifying project resources
   - Allocating resources effectively
   - Balancing resource availability and project demands

4. **Cost Planning**
   - Principles of cost estimating
   - Budgeting techniques
   - Cost baseline establishment

5. **Monitoring and Controlling Schedule and Costs**
   - Techniques for tracking project progress
   - Methods for cost control
   - Using earned value management for schedule and cost tracking

6. **Case Studies and Practical Applications**
   - Real-world examples of schedule and cost management
   - Hands-on exercises to apply learned techniques

Other Details
- This course is customizable to meet client requirements