Modern Project Management

*(Based On **The 6th** Edition of PMBOK Guide)*

by

LDI Instructor

Learn how to:

- How to plan projects
- How to keep things moving
- How in establish timelines
- How to manage multiple projects
- How to monitor and control
- How to solve problems

PMBOK @ Guide Knowledge Areas:

- Project Integration Management
- Project Scopes Management
- Project Quality Management
- Project Schedule Management
- Project Cost Management
- Project Risk Management
- Project Resource Management
- Project Procurement Management
- Project Communications Management
- Project Stakeholder Management

The benefit after completing this course the participants will have a better knowledge & skill on Project Management in accordance with International Management Standards & Guidelines (PMBOK 6th Ed.)

Course Overview

The course is structured around a four-phase process that provides a step-by-step framework for learning about and doing project management in the Industry.
The course focuses on key technical practices and issues relating to each of the four project management phases as well as on "human dynamics" which are critical success factors in project management, such as communication, gaining consensus, problem-solving, meeting and coordinating, dealing with change and team-building.

Objectives

This course examines project management roles and environments, the project life cycle and various techniques of work planning, and control and evaluation to achieve project objectives. The tools currently available to project managers, engineers, professionals and project team are discussed throughout this course.

Course Methodology

The Course is designed to be taught interactively with syndicates and personal exercises, facilitation of group discussions, training videos, and discussions of real

life examples.

By attending this course, participants will:

- To understand the link between organization strategy and projects
- To be able to manage Stakeholders involved in a project
- To appreciate the difference between planning and scheduling
- Using Work Breakdown Structure (WBS) to break a project down into manageable sections
- To understand and apply estimating techniques and critical path analysis
- To understand the importance of Risk Management and how to set up and appropriate Quality Management approach for a project
- To understand the importance of the control cycle in managing projects

Course Topics

Project Management Concepts & Principles

What are project? , Standards & Codes, and Certifications
Creation of a project, formal & informal bases.
Define the characteristics of a project.
Explain the need for project management, goals & objectives.
Compare and contrast the roles of project managers in organizational environments.
Describe the systems development cycle_project life cycle.
Explain the roles of systems analysis and systems management in the life cycle of a project.
Key project roles & Stakegolder management
Best practise in project benchmarking

Project Organizational Structures

Describe the ways groups are organized into projects.
Explain the roles and responsibilities of project team members.
Explain the relationship between project managers and line managers, especially in terms of the division of responsibility and authority.
Develop plan communication

Project Organizational Behaviors

Identify leadership styles of project managers.

Describe techniques used to manage groups and individuals in order to increase the effectiveness of working on a project team.
Identify sources of diversity, either corporate or ethnic, that impact project team effectiveness.

Applied Project Planning

Produce a statement of work (SOW) and decompose overall project goals, also estimate benefits & resources.
Develop a work breakdown structure (WBS), using established tools and techniques, to achieve stated project objectives.
Produce a task-flow network, using established tools and techniques, and analyze the contingencies, interrelationships, and critical path(s) of the work elements.
Produce a Gantt chart, using established tools and techniques, to schedule the completion of all work elements.
Project documentations

Cost Estimating and Budgeting

Develop cost estimates and budgets with cost accounts to plan project expenditures.

Identify and limit risks

Develop cost summaries for tracking project expenditures to budgeted costs.
Develop cost forecasts to proactively control future planned expenditures.

Project Performance Measurement and Control

Define the concept of earned value performance measurement (EVM).
Describe how project management information systems (PMIS) are used to monitor progress, evaluate, and control planned cost and schedule performance.

Conduct effective meetings

Develop reporting link & system approval, and document distribution

Project Evaluation and Termination / Closing

Describe the procedure for conducting periodic project performance evaluation audits.

Explain how project managers must communicate audit results to customers and management in order to manage expectations.
Describe how, as a result of project audits, project managers conduct trade-off analyses of project performances versus cost and schedule constraints.
Evaluate project checklist
Identify causes associated with project success and failure, transferring lessons learned to future projects.
Specify ways in which a project can be terminated upon completion, administrative and contractual closure

Who should attend?

Project Manager
Project Engineers
Project Construction Engineer
Project Economic
Project Risk Engineers
Project Planning & Control Engineers
Project Cost & Control Engineers
Planner & Scheduler
Cost Estimator
Procurement & SCM
Legal & Contract Engineers
Cost Accounting
Financial Controller & Auditor
Coorporate & Business Planning
Person who get benefit for attending this Course