



Construction Management and  
Supervising Multiple Projects



# Construction Management and Supervising Multiple Projects

## Introduction:

In today's fast-paced landscape, project managers adeptly handle multiple projects concurrently. Successfully navigating this terrain demands adept delegation and robust monitoring and control strategies.

Enrolling in this course will provide valuable insights into the intricacies of managing numerous projects, equipping you with the tools and techniques for project triumph. You'll learn the art of prioritization, hone your multitasking abilities, master project planning and scheduling, dissect schedules, and much more through engaging, hands-on exercises tailored to real-world project scenarios.

## Targeted Groups:

- Project directors.
- Engineers and planners.
- Chief executive officers.
- Finance managers.
- Human resources.
- Project managers.
- Information technology managers.
- Consultants, contractors, and suppliers organizations.
- Policymakers are responsible for developing and implementing national and international sustainable development strategies.
- Researchers and academics involved in the construction and building industries, as well as site engineers and assistant engineers on the sites, supervise.
- The Execution Domains in Construction Sites.

## Course Objectives:

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

- Describe the unique characteristics of Multiple Project Management and distinguish it from Traditional Project Management methods.
- Highlight the advantages that organizations can derive from adopting Multiple Project Management techniques.
- Acquire a structured methodology for integrating Multiple Project Management techniques within their organization.
- Delve into a case study illustrating the implementation of Enterprise Project Management within an organization.

## Targeted Competencies:

- Project Planning and Scheduling.
- Cost Estimation and Budgeting.
- Construction Techniques and Methods.
- Contract Management and Negotiation.
- Risk Assessment and Management.
- Team Leadership and Communication.
- Quality Control and Assurance.
- Regulatory Compliance and Safety.
- Problem-Solving and Decision Making.
- Project Documentation and Reporting.

## Course Content:

### Unit 1: Project Management Key Concepts:

- Projects and Operations.
- Current Trends.
- What Projects Exist Within an Organization?
- Why Projects Fail?
- PM Key Concepts.
- Project Life Cycle and PM Phases.
- Project Phases.
- Project Life Cycle.
- Project Management Processes.

### Unit 2: Initiating Projects and Planning Projects:

- Purpose of Initiating Projects The Project Charter.
- Project Kick-Off Meeting Propose of Planning Projects The Work Breakdown Structure Develop the Project Plan.
- Develop the Resource Plan.
- Cost Estimating and Cost Budgeting Establishing The Project Team Communication Plan.
- Procurement Plan.
- Risk Management Plan.
- The Project Management Plan.
- Implementing Projects.
- Executing Projects.
- Purpose of Executing Projects.
- Scope Verification.
- Distributing Project Information.
- Project Team.
- Quality Assurance.
- Contract Administration.
- Purpose of Controlling Projects.
- Updating The Project Schedule.
- Performance Measurement Using Earned Value Change Control.

### **Unit 3: Closing Projects:**

- Purpose of Closing Projects.
- Identify Inputs and Outputs, Tools and Techniques.
- Organizational Impacts Of Project Management.
- HR Requirements.
- Functional, Matrix, and Projectized Organization.
- Role of Project Manager.
- Project Manager Roles.
- Project Manager Responsibilities.
- Project Manager Skills.
- Construction Management and Supervising Multiple Projects.

### **Unit 4: Multi-Project Management and Single-Project Management:**

- Difference Between MPM and SPM.
- Criteria for Selecting Projects in MPM Grouping Benefits of MPM.
- Portfolio Management.
- Resource Management.
- Collaboration.
- Organization-Wide Planning.
- Process Management.
- The Project Management Office.
- PMO Functions.
- PMO Positions.
- Keys To Successful PMO Deployment.
- Enterprise Project Management Solutions.
- EPMS Functions.
- Objectives of EPMS.
- Can EPMS Save On Project Spending? Selecting An EPMS solution.

### **Unit 5: Project Management Maturity:**

- Level 1: Ad Hoc, Level 2: Consistent, Level 3: Integrated, Level 4: Comprehensive, and Level 5: Optimizing.
- Implementing a Multi-Project Management Information System.
- Creating MPM Database Creating Project Templates.
- Construction Management and Supervising Multiple Projects.