



Project & Contract Management

## Construction Management

## Course Introduction

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Every construction project presents unique challenges; ranging from site conditions and stakeholder coordination to budget constraints and regulatory compliance.

Effective construction project management requires more than technical skills; it demands strategic insight, leadership, and the ability to apply practical tools throughout the project lifecycle.

This training course is designed to equip professionals with the essential knowledge and advanced tools needed to manage construction projects efficiently—from planning and contracting to execution and closeout. Emphasis is placed on cost and schedule control, risk mitigation, stakeholder management, and the integration of modern construction technologies.

By the end of the course, participants will be capable of leading projects to successful completion—on time, within budget, and to the required standards of quality and safety.

## Target Audience

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- Project Managers and Construction Site Supervisors
- Civil and Architectural Engineers
- Contract and Procurement Managers
- MEP Engineers involved in construction projects
- Quality and Safety Officers
- Professionals aiming to advance their expertise in construction project management

# Learning Objectives

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- Understand the full lifecycle of construction projects and the roles of key stakeholders.
- Identify and apply appropriate project delivery methods and contract types.
- Develop and manage project schedules using tools and best practices.
- Estimate project costs accurately and implement effective budget control techniques.
- Apply quality and safety standards to ensure compliance and performance.
- Analyse and mitigate construction project risks.
- Explore and apply emerging technologies in modern construction practices.
- Apply learned concepts through real-world case studies and group-based project planning.

# Course Outline

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- **Day 01**

- Foundations of Construction Project Management**

- Overview of the construction industry and project environments
    - Construction project life cycle and key phases
    - Roles and responsibilities of stakeholders
    - Introduction to the PMBOK and construction-specific frameworks

- **Day 02**

- Project Delivery Methods, Contracts & Risk Management**

- Delivery methods (Design-Bid-Build, Design-Build, EPC)
    - Contract types and selection considerations
    - Legal and contractual risk in construction
    - Risk identification and risk register development
    - Mitigation and contingency planning

- **Day 03**

## Planning, Scheduling, and Time Management

- Work Breakdown Structure (WBS) for construction projects
- Critical Path Method (CPM) and Gantt Charts
- Resource allocation and levelling
- Scheduling software overview: MS Project, Primavera

### • Day 04

## Cost Estimation, Budgeting & Control

- Cost estimating techniques: bottom-up, parametric, etc.
- Developing and managing construction budgets
- Earned Value Management (EVM) basics
- Cost tracking and forecasting
- Cost-related KPIs and reporting tools

### • Day 05

## Quality, Safety & Emerging Trends

- Quality management systems in construction (QA/QC)
- Construction safety standards and compliance (e.g., OSHA)
- Managing safety culture and incident prevention
- Introduction to Building Information Modeling (BIM)
- Emerging technologies (e.g., drones, 3D printing, AI)

## Confirmed Sessions

| FROM          | TO            | DURATION | FEES       | LOCATION         |
|---------------|---------------|----------|------------|------------------|
| July 21, 2025 | July 25, 2025 | 5 days   | 4250.00 \$ | UAE - Dubai      |
| Dec. 29, 2025 | Jan. 2, 2026  | 5 days   | 4950.00 \$ | England - London |
| Sept. 1, 2025 | Sept. 5, 2025 | 5 days   | 2150.00 \$ | Virtual - Online |

