

Construction Project Planning & Control

COURSE OVERVIEW

This course provides comprehensive training in modern construction project management methodologies, focusing on systematic planning, scheduling, and control techniques essential for successful project delivery. The course curriculum integrates traditional project management principles with sustainable construction practices and regulatory compliance requirements. Participants will learn to apply industry-standard tools and processes to manage scope, time, cost, and resources effectively while addressing civil and environmental engineering challenges.

WHO SHOULD ATTEND?

This course is designed for civil and environmental engineers, project managers, construction managers, site engineers, and project controllers involved in planning, executing, and monitoring construction projects who are responsible for ensuring project delivery meets technical specifications, budget requirements, and environmental compliance standards.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Develop comprehensive work breakdown structures and project schedules using critical path method (CPM).
- Apply earned value management (EVM) techniques for project performance measurement.
- Implement risk management strategies and contingency planning for construction projects.
- Utilize project management software for scheduling, resource allocation, and progress monitoring.
- Integrate quality control and environmental compliance measures into project execution plans.
- Analyze project performance data and implement corrective actions for schedule and cost control.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Work breakdown structure development and project scope definition.
- Critical path method (CPM) and schedule network analysis techniques.
- Earned value management principles for cost and schedule performance.
- Risk identification, assessment, and mitigation strategies in construction.
- Resource allocation, levelling, and optimization methods.
- Project control systems and performance measurement techniques.
- Quality management and environmental compliance integration.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded