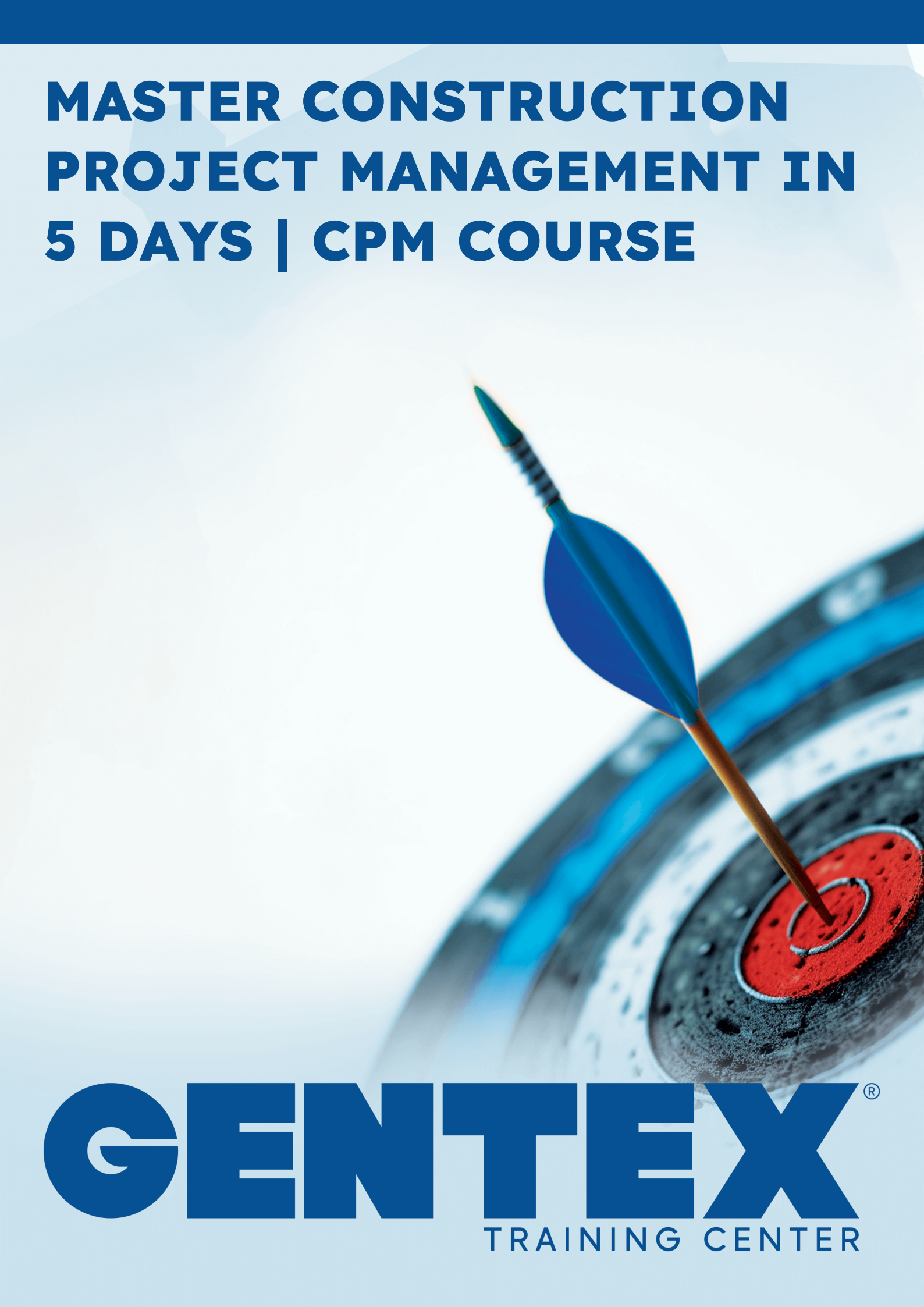
MASTER CONSTRUCTION PROJECT MANAGEMENT IN 5 DAYS | CPM COURSE



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Info@gentextraining.com

Introduction

Master Construction Project Management in 5 Days CPM Course is a focused Training Course that prepares professionals to plan, schedule, and control construction projects with confidence. Participants learn how to read drawings and contracts, build realistic schedules, and keep site work moving through weather, changes, and supply delays. The programme centres on the critical path method, cost control, and site safety, so learners connect theory to daily site decisions. Furthermore, it covers procurement, quality, and handover in one connected workflow. As a result, participants leave with a practical system for delivering construction work on time and within budget.

Master Construction Project Management in 5 Days CPM Course Course Objectives

- Apply the critical path method (CPM) to build and update construction schedules.
- Interpret construction drawings, specifications, and bills of quantities.
- Prepare work breakdown structures with construction-specific activities.
- Estimate and control project cost using S-curves and earned value management.
- Manage subcontractors, suppliers, and long-lead procurement items.
- Control changes through variation orders and claims procedures.
- Apply FIDIC contract principles to construction delivery.
- Manage site risks with a risk register and method statements.
- Enforce quality control through inspection and test plans (ITP).
- Apply HSE requirements and safe work method statements on site.

Course Methodology

- Workshop sessions built on real construction project data.

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- Guided practice with CPM scheduling software exercises.
- Quantity take-off and cost estimating drills.
- Simulation exercises on variations, claims, and delay analysis.
- Group review of participant schedules and site plans.
- Case studies from building, infrastructure, and industrial projects.

Who Should Take This Course

- Construction project managers and site managers.
- Civil engineers and planning engineers.
- Quantity surveyors and cost estimators.
- Construction supervisors and foremen.
- Contracts and procurement officers in construction firms.
- Consultants and client representatives overseeing site works.

Master Construction Project Management in 5 Days CPM Course Course Outlines

Day 1: Construction Project Foundations

- Project life cycle in construction: design, tender, build, handover.
- Reading drawings, specifications, and bills of quantities.
- Defining scope with work breakdown structures.
- Roles of client, consultant, and contractor.
- Site mobilisation and temporary works planning.
- Permits, approvals, and statutory requirements.
- Setting project baselines and success measures.

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Day 2: CPM Scheduling and Planning

- Activity definition and sequencing for construction works.
- Network diagrams and critical path method calculations.
- Total float, free float, and near-critical paths.
- Resource loading and levelling for trades.
- Gantt charts, milestone charts, and look-ahead programmes.
- Schedule baselines, updates, and progress measurement.
- Delay analysis and time extension assessment.

Day 3: Cost Estimating and Control

- Quantity take-off and rate build-up methods.
- Preparing bills of quantities and tender pricing.
- Cost baseline, cash flow, and S-curve tracking.
- Earned value management on construction packages.
- Subcontractor payment certificates and valuations.
- Variations, dayworks, and claims documentation.
- Forecasting final cost and cost reporting.

Day 4: Contracts, Procurement, and Risk

- FIDIC contract forms and their key clauses.
- Procurement planning and long-lead item tracking.
- Tender evaluation and subcontractor selection.
- Managing claims, extensions of time, and disputes.
- Construction risk registers and mitigation planning.

- Insurance, bonds, and guarantees.
- Interface management between trades and packages.

Day 5: Quality, HSE, and Handover

- Inspection and test plans (ITP) and material approvals.
- Method statements and work inspection requests.
- Non-conformance reports and corrective action.
- HSE planning, permits to work, and toolbox talks.
- Snag lists, punch lists, and defect close-out.
- Testing, commissioning, and as-built documentation.
- Final handover, taking-over certificate, and close-out.

Conclusion

By successfully completing Master Construction Project Management in 5 Days CPM Course, participants will gain an integrated method for planning and controlling construction projects. They will have acquired practical skills in CPM scheduling, cost estimating and control, FIDIC-based contract administration, quality and HSE management, and project handover. In addition, they will know how to turn site data into confident decisions. Gentex Training Center delivers this programme so professionals can apply construction project controls from the next working day.

FAQs for the Master Construction Project Management in 5 Days CPM Course course

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Q1 What is the "Master Construction Project Management in 5 Days CPM Course" course about?

It is a five-day programme on managing construction projects from tender to handover. It covers critical path scheduling, quantity take-off and cost control, FIDIC contract administration, quality and HSE controls, and final handover documentation.

Q2 What are the key benefits of the "Master Construction Project Management in 5 Days CPM Course" course?

Participants build realistic construction schedules, control cost drift early, and handle variations and claims with proper documentation. They reduce rework and site delays, strengthen subcontractor coordination, and complete handover with cleaner records and fewer disputes.

Q3 What skills will I gain from the "Master Construction Project Management in 5 Days CPM Course" course?

You will gain CPM scheduling and progress control, construction cost estimating and earned value control, construction contract and claims administration, and quality, HSE, and handover management.

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Q4 What tools, methods, or standards are covered in the "Master Construction Project Management in 5 Days CPM Course" course?

The course covers the critical path method, network diagrams, Gantt and milestone charts, look-ahead programmes, quantity take-off, bills of quantities, S-curves, earned value management, FIDIC contract forms, inspection and test plans (ITP), and method statements.

Q5 How is the "Master Construction Project Management in 5 Days CPM Course" course applied in real-world practice?

Participants apply it by preparing baseline programmes, updating schedules on site, valuing interim payments, processing variation orders and extension-of-time claims, running inspections, and compiling handover packs. Contractors, consultants, and client teams use these methods daily on building and infrastructure works.