CONSTRUCTION PROJECT MANAGEMENT



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TRAINING CENTER

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Introduction

Construction project management is a complex discipline that requires integration of multiple skills such as planning, execution, risk control, budgeting, stakeholder communication, and compliance with regulations. Professionals in this field must coordinate across a wide range of resources, timelines, and goals to deliver successful infrastructure or building projects. This course offered by Gentex Training Center is carefully designed to equip participants with essential knowledge, practical tools, and strategic insights needed to manage construction projects efficiently, from initiation to completion. By focusing on best practices and real-world case studies, the training fosters strong decision-making, problem-solving, and project delivery capabilities.

Construction Project Management Course Objectives

- Understand the full lifecycle of a construction project from initiation to closure.
- Apply proven techniques in project planning, budgeting, and scheduling.
- Identify and mitigate risks specific to construction environments.
- Manage project teams and external contractors effectively.
- Ensure compliance with safety regulations, environmental laws, and quality standards.
- Utilize project management tools (such as Gantt charts, WBS, and CPM) for better control.
- Monitor performance indicators and apply corrective actions.
- Improve communication among stakeholders and maintain documentation effectively.

Course Methodology

This course combines interactive lectures, hands-on workshops, group discussions, case studies, and real-world simulation exercises to ensure comprehensive understanding and application of construction project management principles.

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Who Should Take This Course

- Project Managers in the construction industry
- Civil Engineers and Site Engineers
- Architects involved in project execution
- Quantity Surveyors and Contract Managers
- Construction Consultants and Planners
- Anyone involved in managing infrastructure or building projects

Construction Project Management Course Outlines

Day 1: Fundamentals of Construction Project Management

- Introduction to project management in the construction sector
- Lifecycle of a construction project
- Roles and responsibilities of stakeholders
- Project constraints: scope, time, cost, quality
- Overview of international standards and best practices

Day 2: Project Planning, Scheduling, and Budgeting

- Developing a Work Breakdown Structure (WBS)
- Gantt charts, Critical Path Method (CPM), and PERT
- Estimating time and resource requirements
- Budgeting and cost control strategies
- Procurement planning and contract types

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Day 3: Risk, Quality, and Safety Management

- Identifying and analyzing project risks
- Risk mitigation and contingency planning
- Safety regulations and compliance
- Quality assurance vs. quality control
- Conducting audits and inspections on-site

Day 4: Communication, Team, and Stakeholder Management

- Internal and external stakeholder analysis
- Communication planning and reporting
- Managing multi-disciplinary teams
- Conflict resolution and decision-making techniques
- Performance appraisal and contractor management

Day 5: Project Monitoring, Control, and Closeout

- Project tracking tools and KPIs
- Change management in construction projects
- Variance analysis and corrective actions
- Documenting lessons learned
- Project closeout procedures and final handover

Conclusion

By successfully completing the Construction Project Management course with Gentex Training Center, participants will gain the critical capabilities required to lead, manage, and deliver construction projects on time, within budget, and to required quality standards. The course will empower professionals with practical knowledge, tools, and frameworks to navigate the unique challenges of construction environments with confidence and strategic vision.

FAQs

Q1 What is the "Construction Project Management" course about?

The course provides practical knowledge for managing construction projects throughout their lifecycle, from initiation to closeout. It covers planning, scheduling, budgeting, risk, quality and safety management, stakeholder communication, contractor coordination, performance monitoring, change management, documentation, and final project handover.

Q2 What are the key benefits of the "Construction Project Management" course?

The course strengthens participants ability to plan and control construction projects effectively. It supports better scheduling, cost management, risk mitigation, stakeholder coordination, quality assurance, safety compliance, and performance monitoring while helping project teams apply corrective actions and complete projects within defined requirements.

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Q3 What skills will I gain from the "Construction Project Management" course?

Participants will develop four key skills: Construction Project Planning and Scheduling, Construction Risk Management, Budgeting and Cost Control, and Stakeholder and Contractor Management. These capabilities support effective project coordination, resource planning, risk mitigation, financial control, communication, contractor oversight, and successful construction project delivery.

Q4 What tools, methods, or standards are covered in the "Construction Project Management" course?

The course covers Work Breakdown Structures (WBS), Gantt charts, Critical Path Method (CPM), PERT, project tracking tools, KPIs, variance analysis, and corrective actions. It also addresses international standards and best practices, safety regulations, quality assurance and control, audits, inspections, and construction change management.

Q5 How is the "Construction Project Management" course applied in real-world practice?

The course applies construction project management through hands-on workshops, case studies, group discussions, and real-world simulations. Participants practice developing project plans, schedules, budgets, risk controls, communication strategies, performance measures, corrective actions, documentation, and closeout procedures for construction environments.