Construction Project Management Training Course

Professional Development Training Course Outline

Category	Project Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Construction Project Management Training Course is a comprehensive program designed to equip professionals with essential skills to successfully manage construction projects from initiation to completion. This course focuses on practical techniques, project planning, scheduling, cost management, risk mitigation, and quality control. Participants will gain insight into modern construction management practices, including lean construction principles, sustainable building, and emerging technologies such as Building Information Modeling (BIM). The course integrates hands-on exercises, case studies, and real-world applications to enhance participants' ability to deliver projects on time, within scope, and budget.

Participants will learn to optimize resource allocation, improve team collaboration, and implement effective project monitoring systems. The curriculum emphasizes leadership, stakeholder management, and compliance with regulatory and safety standards. By leveraging industry best practices and trending construction management tools, attendees will acquire the knowledge and confidence to lead complex construction projects, mitigate risks, and drive operational efficiency. This course is ideal for project managers, engineers, supervisors, and professionals aiming to advance their careers in the dynamic construction sector.

Programme Curriculum

Construction Project Management Training Course

Introduction

Construction Project Management Training Course is a comprehensive program designed to equip professionals with essential skills to successfully manage construction projects from initiation to completion. This course focuses on practical techniques, project planning, scheduling, cost management, risk mitigation, and quality control. Participants will gain insight into modern construction management practices, including lean construction principles, sustainable building, and emerging technologies such as Building Information Modeling

(BIM). The course integrates hands-on exercises, case studies, and real-world applications to enhance participants' ability to deliver projects on time, within scope, and budget.

Participants will learn to optimize resource allocation, improve team collaboration, and implement effective project monitoring systems. The curriculum emphasizes leadership, stakeholder management, and compliance with regulatory and safety standards. By leveraging industry best practices and trending construction management tools, attendees will acquire the knowledge and confidence to lead complex construction projects, mitigate risks, and drive operational efficiency. This course is ideal for project managers, engineers, supervisors, and professionals aiming to advance their careers in the dynamic construction sector.

Course Objectives

1. Understand fundamental construction project management principles and best practices.
2. Apply project life cycle management techniques effectively in construction projects.
3. Develop accurate project schedules using critical path method (CPM) and Gantt charts.
4. Implement resource allocation strategies for optimal efficiency.
5. Master cost estimation, budgeting, and financial control in construction projects.
6. Identify and mitigate project risks through proactive planning.
7. Apply quality assurance and quality control methodologies in construction.
8. Enhance leadership and team management skills for project success.
9. Utilize Building Information Modeling (BIM) and other digital construction tools.
10. Understand regulatory, legal, and safety compliance requirements.
11. Improve communication and stakeholder management strategies.
12. Incorporate sustainability and lean construction techniques into projects.
13. Analyze real-world construction case studies for practical learning.

Organizational Benefits

- Improved project delivery efficiency and reduced delays.
- Enhanced cost management and budget adherence.
- Increased stakeholder satisfaction through effective communication.
- Better risk identification and mitigation strategies.
- Optimized resource allocation and utilization.
- Improved project quality and compliance with standards.
- Enhanced team collaboration and leadership effectiveness.
- Adoption of sustainable and innovative construction practices.

- Higher return on investment and reduced project waste.
- Increased organizational reputation and competitive advantage.

Target Audiences

- Construction Project Managers
- Civil Engineers
- Site Supervisors and Foremen
- Architects involved in project oversight
- Construction Planners and Schedulers
- Quantity Surveyors
- Facility Managers
- Professionals seeking career advancement in construction management

Course Duration: 10 days

Course Modules

Module 1: Introduction to Construction Project Management

- Overview of construction project management principles
- Key roles and responsibilities of project managers
- Understanding the project life cycle
- Integration of modern construction technologies
- Challenges in construction project delivery
- Case Study: Successful project planning in a multi-story building project

Module 2: Project Planning and Scheduling

- Fundamentals of construction project planning
- Work Breakdown Structure (WBS) creation
- Critical Path Method (CPM) techniques
- Gantt charts for project scheduling
- Time management and milestone tracking
- Case Study: Scheduling a large infrastructure project

Module 3: Cost Estimation and Budget Management

- Principles of construction cost estimation

- Budgeting techniques and financial planning
- Cost control and variance analysis
- Managing contingencies and cost risks
- Tools for accurate financial tracking
- Case Study: Budgeting for a commercial complex construction

Module 4: Resource Management

- Resource allocation strategies
- Human resources management on site
- Equipment and material scheduling
- Optimizing resource utilization
- Resource leveling and smoothing techniques
- Case Study: Resource planning for a high-rise building project

Module 5: Risk Management in Construction Projects

- Identifying potential project risks
- Risk assessment and prioritization
- Developing risk mitigation strategies
- Risk monitoring and reporting
- Contingency planning in construction projects
- Case Study: Risk management in a bridge construction project

Module 6: Quality Management and Assurance

- Quality standards in construction projects
- Quality assurance vs. quality control
- Implementing inspection and testing protocols
- Ensuring compliance with construction codes
- Continuous improvement practices
- Case Study: Quality control in residential construction

Module 7: Leadership and Team Management

- Developing leadership skills for project managers
- Effective team communication and collaboration

- Motivating construction teams for performance
- Conflict resolution techniques
- Decision-making and problem-solving on site
- Case Study: Leadership in a multi-site construction project

Module 8: Stakeholder and Communication Management

- Identifying project stakeholders
- Communication planning and strategies
- Managing client expectations
- Reporting and documentation best practices
- Negotiation and conflict resolution
- Case Study: Stakeholder management in an urban development project

Module 9: Legal and Regulatory Compliance

- Construction law fundamentals
- Health and safety regulations
- Environmental and sustainability compliance
- Contract administration and management
- Handling legal disputes in projects
- Case Study: Legal compliance in industrial construction

Module 10: Lean Construction and Sustainability

- Principles of lean construction
- Reducing waste and improving efficiency
- Sustainable building practices
- Green construction technologies
- Measuring sustainability performance
- Case Study: Lean construction implementation in a housing project

Module 11: Digital Tools in Construction Management

- Introduction to BIM and digital construction tools
- Project management software for construction
- Data-driven decision-making techniques

- Collaborative platforms for team coordination
- Monitoring project performance using technology
- Case Study: BIM application in commercial construction

Module 12: Procurement and Contract Management

- Construction procurement methods
- Contract types and administration
- Supplier and vendor management
- Negotiation and contract risk management
- Ensuring timely material delivery
- Case Study: Contract management in highway construction

Module 13: Construction Project Monitoring and Control

- Monitoring project progress
- Performance measurement and KPIs
- Earned value management (EVM)
- Change management in construction projects
- Reporting and documentation standards
- Case Study: Monitoring and controlling a large infrastructure project

Module 14: Project Closeout and Evaluation

- Project closeout procedures
- Documentation and handover process
- Post-project evaluation and lessons learned
- Managing defects and warranty issues
- Project review meetings and reports
- Case Study: Successful project closeout in commercial construction

Module 15: Capstone Case Study

- Integrated project management simulation
- Applying all concepts learned
- Team-based project execution
- Risk, cost, and schedule management exercise

- Final presentation and evaluation
- Case Study: Real-world multi-site construction project simulation

Training Methodology

- Interactive lectures with industry examples
- Hands-on exercises and practical sessions
- Case studies analysis for real-world application
- Group discussions and collaborative projects
- Use of modern project management software
- Simulation and role-playing exercises

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com