# Construction Time Management Training Course

Professional Development Training Course Outline

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

## Course Introduction

Construction Time Management Training Course is designed to equip construction professionals with advanced skills in project scheduling, delay management, productivity optimization, digital construction planning, and strategic project controls. In today's competitive construction industry, effective time management, resource allocation, risk mitigation, and schedule optimization are critical success factors for delivering projects on time and within budget. This course integrates modern methodologies such as Lean Construction, Critical Path Method (CPM), Project Management Software, Building Information Modeling (BIM), Earned Value Management (EVM), Agile Construction Management, and data-driven decision-making to enhance project performance.

The program focuses on real-world applications through construction case studies, practical simulations, scheduling workshops, and industry best practices. Participants will learn how to develop realistic project timelines, manage construction delays, improve workforce productivity, control project milestones, and implement effective recovery strategies. By completing this course, professionals will gain the capability to lead high-performance construction teams, improve project delivery outcomes, and achieve world-class construction excellence through smart time management practices.

## Programme Curriculum

**Construction Time Management Training Course**

**Introduction**

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**Course Duration**

5 days

**Course Objectives**

1. Develop advanced construction project scheduling and planning skills.
2. Master Critical Path Method (CPM) and Primavera P6 scheduling techniques.
3. Improve construction productivity and workforce efficiency.
4. Understand delay analysis, claims management, and time impact assessment.
5. Apply Lean Construction principles for waste reduction and faster delivery.
6. Enhance resource optimization and construction workflow management.
7. Implement digital construction technologies and project control systems.
8. Learn effective risk-based scheduling and mitigation strategies.
9. Improve milestone tracking and progress monitoring techniques.
10. Apply Earned Value Management (EVM) for schedule performance measurement.
11. Develop skills in BIM-enabled construction planning and coordination.
12. Strengthen leadership and communication skills for project execution teams.
13. Build expertise in strategic construction project delivery and schedule recovery planning.

**Target Audience**

1. Construction Project Managers
2. Planning Engineers and Project Control Engineers
3. Civil Engineers and Site Engineers
4. Contractors and Construction Supervisors
5. Quantity Surveyors and Cost Engineers
6. Architects and Design Coordination Professionals
7. Project Management Consultants (PMCs)
8. Government Infrastructure and Real Estate Development Professionals

**Course Modules**

**Module 1: Fundamentals of Construction Time Management**

- Construction time management principles and project lifecycle planning
- Importance of schedule control in modern construction projects
- Construction planning strategies and milestone development
- Project execution phases and timeline optimization
- Roles of project teams in achieving schedule success

- **Case Study:** Analysis of a high-rise building project where early planning improved completion time by implementing structured scheduling practices.

**Module 2: Construction Planning and Scheduling Techniques**

- Work Breakdown Structure (WBS) development
- Activity sequencing and dependency management
- Critical Path Method (CPM) application
- Gantt charts and baseline scheduling
- Short-term and long-term construction planning
- **Case Study:** Infrastructure project scheduling review showing how CPM identified critical activities and prevented major delays.

**Module 3: Advanced Project Scheduling with Primavera P6 and MS Project**

- Creating professional construction schedules
- Resource loading and leveling techniques
- Baseline management and schedule updates
- Progress measurement and reporting dashboards
- Digital project controls implementation
- **Case Study:** Commercial complex construction project using Primavera P6 to improve progress tracking and stakeholder reporting.

**Module 4: Construction Delay Management and Recovery Planning**

- Causes and types of construction delays
- Delay analysis methodologies
- Extension of Time (EOT) preparation
- Recovery schedules and acceleration techniques
- Claims prevention and dispute avoidance
- **Case Study:** Airport expansion project where delay recovery strategies helped recover lost project time.

**Module 5: Lean Construction and Productivity Improvement**

- Lean Construction principles
- Last Planner System implementation
- Eliminating construction waste and downtime
- Improving workforce productivity
- Continuous improvement strategies
- **Case Study:** Residential development project applying Lean methods to increase productivity and reduce material waiting times.

**Module 6: Risk Management and Schedule Optimization**

- Construction schedule risk identification
- Risk-based planning approaches
- Monte Carlo schedule analysis concepts
- Contingency planning and mitigation
- Managing uncertainty in complex projects
- **Case Study:** Large-scale infrastructure project where risk-based scheduling reduced potential completion delays.

**Module 7: Digital Construction Time Management**

- BIM-based project scheduling
- Digital twins and smart construction monitoring
- Artificial Intelligence (AI) applications in construction planning
- Automated progress tracking systems
- Data-driven project decision-making
- **Case Study:** BIM-enabled construction project improving coordination between design, procurement, and site execution teams.

**Module 8: Project Performance Monitoring and Leadership**

- Earned Value Management (EVM)
- Schedule Performance Index (SPI) analysis
- Construction reporting systems
- Leadership skills for schedule achievement
- Creating high-performance project teams
- **Case Study:** Mega construction project using EVM dashboards to control schedule performance and improve management decisions.

## Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

**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 |
| **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