Building Maintenance Management Training Course

Professional Development Training Course Outline

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

Course Introduction

Building Maintenance Management Training Course is designed to develop advanced skills in facility management, smart building operations, preventive maintenance, asset lifecycle management, and sustainable infrastructure management. This comprehensive program equips professionals with the knowledge required to optimize building performance, improve operational efficiency, reduce maintenance costs, and enhance occupant satisfaction. With the growing adoption of IoT-enabled buildings, digital maintenance platforms, energy-efficient systems, and predictive maintenance technologies, modern building maintenance managers must understand innovative strategies for managing complex facilities.

This course focuses on strategic maintenance planning, HVAC systems management, electrical and mechanical maintenance, safety compliance, work order management, sustainability practices, and technology-driven facility solutions. Participants will learn global best practices through real-world case studies, practical simulations, and industry-based scenarios to achieve excellence in facility reliability, operational resilience, asset optimization, and smart building management.

Programme Curriculum

Building Maintenance Management Training Course

Introduction

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Course Duration

5 days

Course Objectives

By the end of this course, participants will be able to:

1. Develop effective strategic building maintenance management plans aligned with organizational goals.
2. Implement preventive and predictive maintenance strategies using modern technologies.
3. Improve facility operational efficiency through optimized maintenance workflows.
4. Manage HVAC, electrical, plumbing, and mechanical building systems effectively.
5. Apply Computerized Maintenance Management Systems (CMMS) for digital maintenance control.
6. Understand IoT-based smart building monitoring and automation solutions.
7. Reduce operational expenses through energy management and sustainability practices.
8. Enhance asset lifecycle management and infrastructure reliability.
9. Apply international health, safety, and environmental (HSE) standards.
10. Improve maintenance team productivity through leadership and performance management.
11. Develop emergency response and business continuity maintenance strategies.
12. Implement green building maintenance and ESG-focused facility practices.
13. Build future-ready skills for smart facilities, automation, and digital transformation.

Target Audience

1. Building Maintenance Managers
2. Facility Managers and Supervisors
3. Property Management Professionals
4. Engineering and Technical Teams
5. Operations and Maintenance (O&M) Personnel
6. Real Estate and Infrastructure Professionals
7. Health, Safety, and Environment (HSE) Officers
8. Project Managers and Building Owners

Course Modules

Module 1: Fundamentals of Building Maintenance Management

- Principles of modern facility management and maintenance operations
- Role and responsibilities of a building maintenance manager
- Maintenance strategies-reactive, preventive, predictive, and proactive maintenance
- Building systems overview and operational challenges
- Maintenance planning and performance improvement
- Case Study: Analysis of a commercial high-rise building that reduced maintenance failures through a structured preventive maintenance program.

Module 2: Preventive and Predictive Maintenance Strategies

- Developing preventive maintenance schedules
- Predictive maintenance using condition monitoring technologies
- Reliability-centered maintenance (RCM) principles
- Root Cause Analysis (RCA) and failure prevention
- Maintenance KPI tracking and optimization
- **Case Study:** How a facility used predictive analytics to reduce equipment downtime and improve asset reliability.

Module 3: HVAC Systems Maintenance Management

- HVAC operation and maintenance best practices
- Air conditioning systems inspection procedures
- Energy-efficient HVAC management
- Indoor air quality monitoring
- Troubleshooting common HVAC failures
- **Case Study:** Implementation of smart HVAC monitoring in an office tower to improve energy efficiency and occupant comfort.

Module 4: Electrical, Plumbing, and Mechanical Systems Management

- Electrical maintenance planning and safety controls
- Generator, UPS, and power distribution management
- Plumbing system inspection and maintenance
- Fire protection system maintenance requirements
- Mechanical equipment reliability improvement
- **Case Study:** A facility upgrade project that improved electrical reliability through asset condition assessments.

Module 5: Smart Building Technology and Digital Maintenance

- Internet of Things (IoT) applications in facilities
- Building Management Systems (BMS) integration
- CMMS software and digital work orders
- Data analytics for maintenance decisions
- Artificial Intelligence (AI) applications in facility operations
- **Case Study:** A smart building transformation project using IoT sensors and predictive analytics for real-time monitoring.

Module 6: Energy Management and Sustainable Building Maintenance

- Energy efficiency improvement strategies
- Green building maintenance practices
- ESG principles in facility operations
- Water conservation and resource optimization
- Carbon reduction strategies
- **Case Study:** A sustainable commercial facility achieving energy savings through green maintenance initiatives.

Module 7: Safety, Compliance, and Risk Management

- Building maintenance safety standards

- Risk assessment and hazard identification
- Permit-to-work systems
- Emergency maintenance response planning
- Compliance auditing and documentation
- **Case Study:** A facility safety improvement program that reduced workplace incidents through effective risk management.

Module 8: Maintenance Leadership and Performance Excellence

- Maintenance team leadership and communication
- Workforce planning and productivity improvement
- Contractor management strategies
- Budget control and cost optimization
- Future trends in facility management
- **Case Study:** A multi-site facility operation achieving improved service quality through performance-based maintenance management.

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:

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