Training Course on Infrastructure Development and Facilities Management for Schools

Professional Development Training Course Outline

Category	Educational Leadership and Management	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Training Course on Infrastructure Development and Facilities Management for Schools training course is a comprehensive capacity-building program designed to empower school leaders, education administrators, maintenance officers, and development planners with the essential knowledge and practical tools for modern infrastructure development and efficient facilities management. This training responds to the urgent need for improved learning environments that are safe, sustainable, inclusive, and conducive to academic excellence. Through this course, participants will learn cutting-edge practices in infrastructure planning, budgeting, sustainable design, safety compliance, and long-term maintenance planning.

This course integrates the latest trends in green building design, smart facility technologies, and safety compliance protocols. With real-world case studies, hands-on toolkits, and project-based modules, participants will develop strategic insights on optimizing school resources while enhancing infrastructure resilience and educational impact. The training aligns with Sustainable Development Goals (SDG 4 & 11) and promotes digital innovation, climate responsiveness, and inclusive learning spaces.

Programme Curriculum

Training Course on Infrastructure Development and Facilities Management for Schools

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Course Objectives

1. Understand modern trends in school infrastructure planning and design.
2. Identify key elements of facilities management in educational settings.
3. Evaluate safety and compliance standards for schools.
4. Implement green and sustainable construction principles in school settings.
5. Learn about smart facilities technologies and digital transformation.
6. Analyze budgeting and financial planning for school infrastructure projects.
7. Improve maintenance scheduling and asset lifecycle management.
8. Enhance school safety through risk assessment and emergency planning.
9. Apply stakeholder engagement strategies in infrastructure projects.
10. Understand the legal and policy frameworks affecting school construction.
11. Monitor and evaluate school infrastructure performance using KPIs.
12. Develop procurement and contract management skills.
13. Explore climate-resilient school infrastructure development practices.

Target Audience

1. School Heads/Principals
2. Facilities and Maintenance Managers
3. Education Ministry Officials
4. School Board Members
5. Infrastructure Development Officers
6. Procurement Officers in Education
7. Construction Project Managers
8. Architects and Planners in Education Sector

Course Duration: 10 days

Course Modules

Module 1: Introduction to School Infrastructure Development

- Definitions and scope
- Importance of quality learning environments
- Legal and policy frameworks
- International standards and benchmarks
- Challenges in developing countries
- **Case Study: Kenya’s National School Infrastructure Improvement Project**

Module 2: Strategic Infrastructure Planning

- Needs assessment methods
- Prioritization of infrastructure projects
- Integration with school improvement plans
- Stakeholder involvement

- Risk-based planning approaches
- **Case Study: Rwanda's Education Sector Strategic Plan**

Module 3: Green and Sustainable School Design

- Green building materials
- Energy-efficient designs
- Water harvesting systems
- Passive cooling strategies
- Environmental impact analysis
- **Case Study: Eco-School Design in South Africa**

Module 4: Smart Technology in Facilities Management

- Smart sensors and IoT in schools
- Centralized control systems
- Energy monitoring platforms
- Predictive maintenance tools
- ICT integration in facility use
- **Case Study: Smart Classrooms in Singapore**

Module 5: School Safety and Risk Management

- Hazard identification
- Fire safety protocols
- Security infrastructure
- Emergency response plans
- Compliance audits
- **Case Study: Safe Schools Initiative in Nigeria**

Module 6: Budgeting and Cost Management

- Lifecycle costing
- Capital vs operational expenses
- Funding sources
- Budget forecasting
- Financial controls and accountability
- **Case Study: Donor-Funded School Projects in Ethiopia**

Module 7: Maintenance and Facility Lifecycle

- Preventive maintenance planning
- Asset lifecycle management
- Maintenance logs and documentation
- Vendor management
- Outsourcing vs in-house strategies
- **Case Study: Public-Private Maintenance Partnerships in Ghana**

Module 8: Legal and Policy Environment

- National construction codes
- Education-specific facility laws
- Land acquisition and titling
- Environmental compliance
- Legal risks and mitigation
- **Case Study: Legal Reforms in Uganda's School Construction Policies**

Module 9: Procurement and Contracting

- Tendering procedures
- Contractor selection criteria
- Contract negotiation techniques
- Monitoring service-level agreements
- Ethics and anti-corruption measures
- **Case Study: World Bank Procurement Model in Tanzania**

Module 10: Stakeholder Engagement

- Identifying key stakeholders
- Participatory design processes
- Managing parent/community expectations
- Public communication strategies
- Conflict resolution frameworks
- **Case Study: Community-Driven School Rehabilitation in Malawi**

Module 11: Monitoring and Evaluation (M&E)

- Infrastructure KPIs
- M&E tools and templates
- Real-time tracking technologies
- Impact measurement
- Continuous improvement cycles
- **Case Study: M&E Framework in Zambia's Education Sector**

Module 12: Disaster-Resilient School Design

- Climate impact assessments
- Seismic-safe architecture
- Flood-resistant foundations
- Shelter-in-place models
- Emergency evacuation infrastructure
- **Case Study: Earthquake-Resistant Schools in Nepal**

Module 13: Inclusive Infrastructure for All Learners

- Universal design principles
- Accessibility standards
- Gender-sensitive spaces
- Child-friendly design
- Culturally inclusive features
- **Case Study: Inclusive School Designs in India**

Module 14: Waste Management and Sanitation

- Waste disposal systems
- School sanitation planning
- Hygiene promotion strategies
- Eco-toilets and waste recycling
- Clean water access
- **Case Study: WASH in Schools Project in Uganda**

Module 15: Digital Tools for Infrastructure Management

- Facility Management Software (FMS)

- GIS for school mapping
- Online asset tracking systems
- Virtual walkthroughs and audits
- App-based maintenance requests
- **Case Study: Digital Infrastructure Tracking in Botswana**

Training Methodology

- Interactive lectures and expert talks
- Group workshops and planning exercises
- Real-world case study analysis
- Infrastructure planning simulation tasks
- Hands-on use of digital tools
- Peer collaboration and shared experiences

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	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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

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