Infrastructure Project Delivery Practices Training Course

Professional Development Training Course Outline

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

Course Introduction

Infrastructure Project Delivery Practices Training Course is designed to equip professionals with comprehensive skills in managing, executing, and optimizing infrastructure projects across various sectors. With a focus on best-in-class project delivery techniques, participants will gain in-depth knowledge of project lifecycle management, risk mitigation strategies, budgeting, scheduling, and stakeholder engagement. This course integrates modern practices with proven methodologies to enhance project performance, ensure compliance, and maximize return on investment for infrastructure initiatives. Participants will also develop critical analytical and decision-making capabilities necessary for successful project delivery.

Infrastructure development requires precision, foresight, and strategic execution. This training course emphasizes collaborative planning, innovative problem-solving, and sustainable project management approaches. By leveraging case studies from real-world infrastructure projects, participants will understand the practical challenges and solutions that drive project success. Through interactive sessions, hands-on exercises, and practical tools, professionals will gain actionable insights into effective infrastructure delivery practices, preparing them to lead complex projects and contribute to organizational growth and public infrastructure development.

Programme Curriculum

Infrastructure Project Delivery Practices Training Course

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Course Objectives

Upon completion of this course, participants will be able to:

1. Apply advanced infrastructure project planning and delivery techniques
2. Develop and manage project budgets and cost optimization strategies
3. Implement effective risk management and mitigation frameworks
4. Utilize scheduling and resource allocation tools for project efficiency
5. Execute quality management practices in infrastructure projects
6. Apply sustainable construction and environmental compliance practices
7. Enhance stakeholder engagement and communication strategies
8. Employ procurement and contract management best practices
9. Integrate technology-driven project management tools and software
10. Conduct project performance evaluation and reporting
11. Analyze lessons learned and apply continuous improvement techniques
12. Strengthen leadership and team management skills in project contexts
13. Address emerging trends in infrastructure project delivery and innovation

Organizational Benefits

1. Improved project delivery timelines and cost efficiency
2. Enhanced decision-making capabilities across project teams
3. Increased project quality and adherence to industry standards
4. Reduced project risks through proactive management strategies
5. Strengthened stakeholder confidence and collaboration
6. Optimized use of technology and project management tools

7. Enhanced sustainability and environmental compliance
8. Improved procurement and contract management outcomes
9. Boosted team productivity and leadership effectiveness
10. Greater alignment with organizational infrastructure objectives

Target Audiences

1. Project managers in infrastructure development
2. Civil and structural engineers
3. Construction and site supervisors
4. Government infrastructure planning officials
5. Project coordinators and analysts
6. Procurement and contract management professionals
7. Consultants in infrastructure and urban development
8. Academic and research professionals in project management

Course Duration: 10 days

Course Modules

Module 1: Introduction to Infrastructure Project Delivery

- Overview of project delivery methods
- Project lifecycle management essentials
- Key infrastructure project components
- Role of stakeholders and governance structures
- Case study: Urban transportation project

Module 2: Planning and Scheduling Techniques

- Work breakdown structure development
- Project scheduling fundamentals
- Resource allocation methods
- Critical path method application
- Gantt charts and milestone tracking
- Case study: Airport expansion scheduling

Module 3: Budgeting and Cost Management

- Cost estimation techniques
- Budget tracking and reporting
- Cost optimization strategies
- Financial risk assessment
- Value engineering approaches
- Case study: Highway construction budgeting

Module 4: Risk Management in Infrastructure Projects

- Risk identification and analysis
- Risk mitigation planning
- Contingency planning
- Compliance and regulatory risk management
- Risk monitoring frameworks
- Case study: Flood control infrastructure risk management

Module 5: Quality Management Practices

- Quality standards in infrastructure projects
- Inspection and audit procedures
- Process improvement techniques
- Compliance monitoring
- Tools for ensuring project quality
- Case study: Bridge construction quality assurance

Module 6: Sustainable Practices and Environmental Compliance

- Green construction methodologies
- Environmental impact assessments
- Regulatory compliance strategies
- Resource efficiency in projects
- Sustainability reporting
- Case study: Eco-friendly building project

Module 7: Procurement and Contract Management

- Tendering and bidding processes

- Contract negotiation strategies
- Supplier and vendor management
- Performance monitoring of contractors
- Legal considerations in contracts
- Case study: Public-private partnership infrastructure project

Module 8: Stakeholder Engagement and Communication

- Stakeholder identification and mapping
- Communication planning and strategies
- Conflict resolution and negotiation
- Reporting to stakeholders
- Building stakeholder trust
- Case study: Community infrastructure engagement

Module 9: Technology in Infrastructure Project Management

- Project management software tools
- BIM (Building Information Modeling) integration
- Data analytics for decision-making
- Digital monitoring and reporting tools
- Technology adoption strategies
- Case study: Smart city infrastructure management

Module 10: Performance Monitoring and Evaluation

- Key performance indicators for projects
- Progress tracking and reporting
- Evaluation methodologies
- Lessons learned documentation
- Continuous improvement implementation
- Case study: Port development project evaluation

Module 11: Leadership and Team Management

- Leading multidisciplinary project teams
- Decision-making in complex projects

- Conflict management
- Motivation and performance improvement
- Leadership in crisis scenarios
- Case study: Large-scale urban development leadership

Module 12: Compliance and Regulatory Management

- Understanding local and international standards
- Legal frameworks in infrastructure projects
- Regulatory risk assessment
- Ensuring compliance at all stages
- Documentation and reporting requirements
- Case study: Municipal water supply compliance

Module 13: Emerging Trends in Infrastructure Delivery

- Innovative project delivery methods
- Smart infrastructure and technology adoption
- Public-private partnerships
- Risk and sustainability trends
- Benchmarking and best practices
- Case study: High-speed rail project

Module 14: Project Closure and Handover

- Project completion procedures
- Documentation and handover processes
- Post-project evaluation
- Stakeholder satisfaction analysis
- Knowledge transfer and retention
- Case study: Hospital infrastructure handover

Module 15: Integrated Capstone Project

- Applying learned methodologies
- Full project lifecycle simulation
- Risk and quality management integration

- Budgeting and scheduling exercise
- Team collaboration and leadership evaluation
- Case study: Multi-sector infrastructure project

Training Methodology

- Interactive lectures and presentations
- Hands-on practical exercises
- Real-world case study analyses
- Group discussions and role plays
- Simulations and project lifecycle exercises
- Expert-led mentorship and feedback sessions

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.com 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
07 Sep 2026	18 Sep 2026	Physical	$3,000

Start Date	End Date	Location	Price
14 Sep 2026	25 Sep 2026	Physical	$3,000
21 Sep 2026	02 Oct 2026	Physical	$3,000
28 Sep 2026	09 Oct 2026	Physical	$3,000
05 Oct 2026	16 Oct 2026	Physical	$3,000
12 Oct 2026	23 Oct 2026	Physical	$3,000
19 Oct 2026	30 Oct 2026	Physical	$3,000
26 Oct 2026	06 Nov 2026	Physical	$3,000

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