Construction Portfolio 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

Construction Portfolio Management Training Course is designed to equip professionals with advanced capabilities to manage complex construction portfolios, capital programs, infrastructure investments, and multi-project environments. In today's rapidly evolving construction industry, organizations require strategic portfolio leaders who can optimize project performance, cost control, risk management, sustainability, digital transformation, and data-driven decision-making. This course integrates modern practices in Construction Project Portfolio Management (CPPM), PMO excellence, BIM integration, AI-powered analytics, smart construction, and strategic governance to help participants maximize value across diverse construction investments.

Through practical frameworks, real-world construction case studies, portfolio optimization techniques, and industry best practices, participants will learn how to align construction portfolios with organizational strategy, improve project delivery outcomes, and enhance stakeholder value. The program focuses on agile portfolio management, predictive analytics, resource optimization, financial forecasting, ESG-driven construction strategies, and technology-enabled project controls to prepare professionals for the future of construction leadership.

Programme Curriculum

Construction Portfolio Management Training Course

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Course Objectives

By the end of this **Construction Portfolio Management Training Course**, participants will be able to:

1. Develop advanced construction portfolio management strategies aligned with business objectives.
2. Implement effective portfolio governance frameworks for construction organizations.
3. Apply PMO maturity models to improve project portfolio performance.
4. Master construction investment prioritization and capital allocation techniques.
5. Use risk intelligence and predictive analytics for portfolio decision-making.
6. Optimize resource management across multiple construction projects.
7. Apply BIM, digital twins, and smart construction technologies for portfolio visibility.
8. Improve cost management, financial forecasting, and portfolio budgeting.
9. Implement Agile portfolio management approaches in construction environments.
10. Enhance project performance monitoring through dashboards and KPIs.
11. Integrate sustainability, ESG principles, and green construction strategies.
12. Strengthen stakeholder collaboration using digital collaboration platforms.
13. Build future-ready leadership capabilities for construction transformation and innovation.

Target Audience

1. Construction Portfolio Managers and Program Directors
2. Project Management Office (PMO) Leaders
3. Construction Project Managers and Senior Engineers
4. Infrastructure Development Managers
5. Real Estate Development Professionals
6. Contractors, Consultants, and Engineering Managers
7. Capital Investment and Asset Management Professionals
8. Government and Public Infrastructure Leaders

Course Modules

Module 1: Fundamentals of Construction Portfolio Management

- Understanding **Construction Portfolio Management (CPM)** principles and frameworks
- Difference between projects, programs, and portfolios
- Strategic alignment of construction investments

- Portfolio governance structures and decision models
- Role of portfolio managers in modern construction organizations
- **Case Study:** Analysis of a global construction company improving project selection and investment decisions through portfolio governance.

Module 2: Construction Portfolio Strategy and Governance

- Developing a construction portfolio strategy roadmap
- Establishing portfolio governance models
- Portfolio lifecycle management
- Executive reporting and decision frameworks
- Creating portfolio management offices (PMOs)
- **Case Study:** A major infrastructure developer implementing PMO governance to improve delivery performance across multiple projects.

Module 3: Portfolio Planning, Prioritization, and Investment Management

- Construction project evaluation techniques
- Capital investment prioritization models
- Portfolio balancing and optimization
- Business case development
- Financial forecasting and investment controls
- **Case Study:** A real estate organization optimizing billions in construction investments using portfolio prioritization frameworks.

Module 4: Risk Management and Portfolio Performance Optimization

- Enterprise construction risk management
- Predictive risk analytics
- Portfolio risk dashboards
- Managing cost overruns and delays
- Scenario planning and contingency strategies
- **Case Study:** A large infrastructure program reducing project risks through predictive analytics and portfolio monitoring.

Module 5: Digital Transformation in Construction Portfolio Management

- BIM-enabled portfolio management
- Digital twins and smart construction ecosystems
- AI-powered construction analytics
- Cloud-based portfolio platforms
- Data-driven project decision-making
- **Case Study:** A smart city construction program using digital twins for portfolio visibility and performance optimization.

Module 6: Resource, Cost, and Schedule Portfolio Management

- Multi-project resource optimization
- Workforce and equipment planning
- Portfolio cost control systems
- Integrated scheduling strategies

- Performance measurement dashboards
- **Case Study:** A construction enterprise improving resource utilization across 50+ simultaneous projects.

Module 7: Sustainable Construction Portfolio Management

- ESG principles in construction portfolios
- Green building strategies
- Carbon reduction planning
- Sustainable procurement approaches
- Climate-resilient infrastructure investments
- **Case Study:** A global construction group achieving sustainability targets through portfolio-level ESG management.

Module 8: Future Trends and Leadership in Construction Portfolio Management

- Future of construction portfolio leadership
- AI, automation, and robotics in construction
- Agile portfolio management practices
- Innovation management frameworks
- Building resilient construction organizations
- **Case Study:** A construction company transforming operations through AI adoption and digital innovation strategies.

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