



Strategic Infrastructure Project Management Training Course

Ref: #CON2180



Course Introduction / Overview:

This training course is designed to equip project managers, civil engineers, and government officials with the strategic and technical skills needed to successfully manage large-scale infrastructure projects. The success of these projects is not just about a strong plan; it is about managing immense complexity, diverse stakeholders, and significant public and environmental scrutiny. This program, offered by BIG BEN Training Center, provides a comprehensive framework for understanding the core principles of infrastructure project management, from various funding models and contracting strategies to public relations and risk mitigation. We will explore key concepts such as Public-Private Partnerships (PPPs), sustainable infrastructure, and long-term asset management. The curriculum is informed by the academic work of authors like James M. Syvertsen, whose book, *Infrastructure Management: A Strategic Approach*, provides a foundational and detailed understanding of the principles behind a successful project delivery. This course goes beyond a simple overview of management to provide a deep understanding of how to implement real-world solutions that ensure project timelines, cost control, and public value. We prepare participants to be leaders who can build more efficient and impactful infrastructure initiatives.

Target Audience / This training course is suitable for:



- Infrastructure project managers.
- Civil engineers.
- Government officials.
- Urban planners.
- Procurement and contracts specialists.
- Financial analysts.
- Environmental consultants.
- Government agencies and equivalents.

Target Sectors and Industries:

- Infrastructure.
- Transportation and Logistics.
- Energy and Utilities.
- Public Works.
- Civil Engineering.
- Telecommunications.
- Real Estate Development.
- Government and public administration agencies.

Target Organizations Departments:

- Project Management Office (PMO).
- Engineering.
- Public Works.
- Strategic Planning.
- Finance.
- Contracts and Legal.
- Operations.
- Risk Management.



Course Offerings:

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

- Apply advanced infrastructure project management strategies.
- Navigate various funding models and financial structures.
- Manage a complex network of stakeholders.
- Assess and mitigate large-scale project risks.
- Implement sustainable infrastructure practices.
- Master the process of contract administration.
- Ensure regulatory compliance.
- Measure project success and public value.

Course Methodology:

This training course uses a highly practical and case-study driven methodology. The program is built on real-world examples of successful and challenging infrastructure projects from around the world. Participants will work in teams to develop a complete project plan for a hypothetical infrastructure project, applying the tools and frameworks learned in the course. We will use interactive workshops to practice skills like risk analysis and stakeholder communication. The curriculum is designed to be a collaborative experience where participants can share their unique challenges and innovative solutions. Our trainers, with extensive experience in the field, will provide direct feedback and guidance throughout the course. BIG BEN Training Center is committed to providing a dynamic and practical learning environment, ensuring that participants leave with the skills and confidence to effectively manage infrastructure projects.



Course Agenda (Course Units):

Unit One: Foundations of Infrastructure Projects

- The unique characteristics of infrastructure projects.
- Project lifecycle and phases.
- The role of public-private partnerships (PPPs).
- Stakeholder analysis and communication.
- Regulatory compliance and law.
- Risk analysis for large-scale projects.
- Case studies in infrastructure development.

Unit Two: Planning and Funding

- Developing a comprehensive project plan.
- Feasibility studies and business cases.
- Funding models: public, private, and blended.
- Cost estimation and financial modeling.
- Scheduling techniques for large projects.
- Procurement strategies and bidding.
- Community engagement.

Unit Three: Execution and Oversight

- On-site management and supervision.
- Contract administration and monitoring.
- Managing change orders.
- Quality assurance and control.
- Health, safety, and environment (HSE).
- Progress tracking and reporting.
- Dispute resolution.



Unit Four: Risk and Stakeholder Management

- Identifying and mitigating project risks.
- Contingency planning and reserves.
- Managing political and regulatory risks.
- Public relations and media management.
- Engaging with government agencies.
- Stakeholder reporting and transparency.
- Ethical considerations.

Unit Five: Emerging Trends and Strategic Leadership

- Sustainable infrastructure and green buildings.
- The impact of technology on projects.
- Long-term asset management.
- Strategic leadership in a global market.
- The future of infrastructure development.
- Career pathways in infrastructure project management.
- The role of AI and data analytics.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:



How can a deeper understanding of infrastructure project management and a proactive approach to stakeholder engagement empower professionals to move beyond simply building projects and become strategic leaders in creating long-term public value and sustainable growth?

What unique qualities does this course offer compared to other courses?

This training course is unique because it provides a dedicated, strategic focus on infrastructure project management. While other programs may cover general project management, our curriculum is designed to empower professionals with the specific skills needed to address the unique challenges of large-scale infrastructure, from navigating complex funding models to ensuring public accountability. The program is a hands-on experience, with exercises that directly simulate the challenges and decisions involved in a real-world infrastructure project lifecycle. We go beyond theoretical concepts to provide a clear, actionable roadmap for balancing the demands of a complex project with the imperative of delivering a successful and impactful outcome. This course is for professionals who want to lead their organizations toward a more efficient, profitable, and innovative future.

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