



PM343: Managing Multiple Road Infrastructure Projects Effectively

Training Description:

This training course equips professionals with essential skills and tools to effectively manage multiple road construction and maintenance projects simultaneously. It covers advanced project management methodologies, portfolio coordination, stakeholder communication, risk and resource management, and performance tracking tailored to the complexities of road infrastructure development.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Apply proven techniques to manage multiple road projects concurrently
- ✓ Coordinate resources, budgets, and timelines across several projects
- ✓ Mitigate risks and resolve conflicts between overlapping projects
- ✓ Establish effective communication and reporting structures
- ✓ Optimize scheduling, procurement, and delivery of road infrastructure
- ✓ Monitor performance across projects using key metrics and tools

Training Designed for:

This training course is intended Project Managers and Coordinators (especially in transport infrastructure), Civil Engineers involved in multiple road projects, Portfolio Managers and Program Managers, Construction Supervisors and Site Engineers, Consultants and Contractors managing road works and Government and Municipal Engineers overseeing road infrastructure.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

DAY ONE:

- ❖ **Foundations of Multiple Project Management in Roads**
 - Introduction to Multi-Project Environments
 - Challenges in managing multiple road projects
 - Overview of road project lifecycles
 - Differences between single and multi-project strategies
 - Role of a Project/Program Manager in multi-road projects
 - Aligning road projects with strategic and national goals
- ❖ **Exercises:**
 - Case study discussion: Road network expansion program
 - Interactive session: Mapping participant projects

DAY TWO:

- ❖ **Planning and Scheduling Multiple Road Projects**
 - Integrated planning and prioritization
 - Scope and deliverables definition across projects
 - Creating consolidated schedules using MS Project/Primavera
 - Critical path method (CPM) and resource leveling
 - Procurement scheduling across road projects
 - Environmental and regulatory compliance planning
- ❖ **Exercises:**
 - Workshop: Develop an integrated project timeline for 3 road projects
 - Simulation: Adjusting for weather delays and regulatory reviews

DAY THREE:

- ❖ **Resource and Financial Management Across Projects**
 - Managing shared resources: labor, equipment, materials
 - Budgeting and cost control strategies across multiple road projects
 - Resource optimization and reallocation methods
 - Using Earned Value Management (EVM) across projects
 - Procurement strategy and contract management
- ❖ **Exercises:**
 - Case analysis: Contractor bottleneck and cash flow issues
 - Tool demo: Multi-project dashboards for finance tracking

DAY FOUR:

- ❖ **Risk, Quality, and Stakeholder Management**
 - Risk identification and mitigation in a portfolio of road projects
 - Conflict resolution and decision-making under constraints
 - Quality assurance standards in road construction (e.g., AASHTO, ISO)
 - Stakeholder mapping and engagement strategies
 - Managing communications with local governments, communities, and funders
- ❖ **Exercises:**
 - Stakeholder role-play simulation: Highway expansion project
 - Interactive group exercise: Risk matrix development

DAY FIVE:

- ❖ **Monitoring, Evaluation and Reporting**
 - Performance metrics for road project portfolios (KPIs)
 - Project tracking and variance analysis
 - Reporting frameworks for multiple road projects
 - Audits, lessons learned, and continuous improvement
 - Preparing for project reviews and donor reports
 - Leveraging technology for multi-project reporting (dashboards, GIS, drones)
- ❖ **Exercises:**
 - Final exercise: Present a dashboard and summary report for a multi-project portfolio
- ❖ **Course Conclusion**
- ❖ **POST-ASSESSMENT and EVALUATION**

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA As per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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