

International Seminar on Construction Management

How to Cut Costs and Increase Time in Construction Projects Without Sacrificing Quality

Introduction

The delivery of projects by project staff on medium- to large-scale construction projects continues to provide an increasing number of obstacles. Globalization's quick effects have raised the bar for project delivery in terms of timeliness, cost, and quality.

Astute CEOs understand that proactive project management is a critical component of project success. Thus, it is imperative to possess a functional comprehension of project planning, estimating, scheduling, and execution control protocols.

Costly claims frequently arise during construction projects, delaying work and resulting in losses for contractors and owners. Sound project objectives may be achieved in large part by having a solid understanding of construction administration and claims avoidance.

The following subjects are covered in this Course N Carry training course:

- Utilize project management concepts in practice.
- Methods for working cooperatively with others
- Recognize the key factors influencing performance.
- Techniques for fulfilling deadlines
- Reliable methods for completing projects successfully

Objectives

This Course N Carry training program's objectives are to enable participants to:

- In order to satisfy work needs, evaluate and manage work techniques, resources, and systems.
- Participate in regulating the project's development, quality, and cost.
- Create and strengthen fruitful working connections
- Track project details, expenses, and progress.
- Organize project meetings and oversee team and individual performance.

Training Methodology

Through hands-on exercises, this Course N Carry training program augments learning and equips participants with the knowledge and abilities to manage their work more successfully and efficiently.

- Group talks about optimal practices
- Work on important ideas to gain task-planning skills.
- Talk about the newest methods for managing project costs and time.
- Presentations illustrating ideas and methods

Organizational impacts

- Improved results from dealings with vendors and contractors
- Decreased total cost of goods and services
- Increased output from those working on procurement projects
- Enhanced ties between suppliers and contractors that result in better performance
- Improve your interpersonal communication abilities to improve teamwork.

Personal Impact

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Who should attend?

Those who want to learn real construction project management skills that will help them finish tasks, set and maintain priorities, and meet deadlines for work and projects are the target audience for this Course N Carry training course. Anyone interested in a

management role in any kind of construction owner or contractor organization, even novice managers, should take this course.

Course Outline

Day 1

Overview of International Construction Management

- **Owners and Participants in the Project**
- Engineers
- Advisors
- Builders
- Subcontractor
- Providers
- Concepts for Projects
- Management of Stakeholders
- Important Ideas in Management and Leadership

Day 2

Project Execution, Forecasting, and Risk Control

- Systems for Project Delivery
- Concepts of Value Engineering
- Construction Agreements
- Structure of Work Breakdown (SWB)
- Structure of Organizational Breakdown (SOB)
- Utilizing CAD and BIM in 3D, 4D, and 5D
- Different Cost Estimate Types and Their Use
- Methods of Conceptual Estimation
- Calculating the Length of Evaluation

Day 3

Work Scheduling

- **Master Timetable**
- Diagrams of networks
- Gantt Diagram
- **Subcontractor Timetables**
- Balance-of-Balance Charts

- Diagrams of Velocity
- Sharing Schedules
- Calculating the Critical Path

Day 4

Progress Tracking and Cost Management

- Cycle of Project Control
- Information Acquisition
- Aspects Affecting Performance
- Monitoring Cost, Time, and Quality
- Calculating Productivity
- On-Site Techniques for Increasing Productivity
- Techniques for Project Acceleration and Compression

Day 5

Construction Litigation & Conflict Settlement

- Reasons for the Shifts
- Handling Shifts
- Disputes and Claims
- Arbitration
- Mediation
- Techniques for Alternative Dispute Resolution (ADR)