



Construction Management , Procedures and Implementation Training

Description

Course Description

The program is designed as an integrated series of lectures and case studies to provide an understanding of the concept of achieving construction, procedure and implementation of projects to meet the ever-changing needs of clients. It is designed to prepare participants to think systematically while managing the construction projects, its' procedure and implementation, by giving a hands-on training. Participants will also be able to understand the relationships between hard and soft skills required from conceptualization of project to running day-to-day implementation.

Course Objective

At the end of this course the attendance will gain the following skills:

- Planning and organizing the projects in different conditions
- Advanced techniques for contract management
- Risk mitigation and avoidance in different conditions
- Equipment management and cost estimating
- Human resource management
- Material management
- Management of sub-contractors
- Advanced techniques for project control

Who Should attend?

This course designed to serve the project management team such as:

- Technical Engineers
- Project Managers
- Planning and programming Engineers
- Control Managers
- Equipment Managers

- Maintenance Supervisors
- Operation Supervisors.

Course Outline

Project Management framework

- The meaning of project management
- Characteristics of construction project phases
- Fundamentals of project management
- Project management processes –

Project contracts and legal aspects

Importance of project contracts

- Contract planning
- Types of contracts
- Contracts and risk management

Project planning and scheduling

- Importance of project planning
- Principals of Bar Chart technique
- Network planning techniques(CPM&PERT)

Construction project resource management

- Equipment planning and selection
- Equipment production rate and selection
- Equipment utilization
- Equipment costing

Construction site and labor management

- Construction site resource allocation
- Manpower scheduling
- Manpower Organization
- Manpower productivity