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# Construction Supervision Skills

## INTRODUCTION

- This Construction Supervision Skills training course will feature the importance and relevance of efficient and practical strategies necessary to achieve competency for professionals involved in Construction Supervision. Construction Supervision is the culmination of events in a project's lifecycle, which encompasses feasibility, preliminary design, advanced design, procurement, and construction.
- For the successful delivery of projects, supervision teams must understand the managerial and supervision skills, in addition to their technical knowledge, that they need to have. Construction job sites must be managed and supervised well and risk-free to ensure the likelihood of project success. There is a potentially high risk and impact if it is not managed and supervised effectively. This course introduces the practical tools to control the cost and as well the time during the project. Moreover, the final cost and time for the project can be predicted based on the rates of achieving and the consumed money at any time of the project.

This training course will highlight:

- Practice in Construction Project Management Techniques
- Collaboration and Coordination Strategies
- Understand crucial issues affecting project and site performance
- Methods to meet deadlines and how to multitask at site
- Innovative construction site supervision techniques to achieve project success
- Managing complex and challenging changes, claims and disputes

## OBJECTIVES

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

- Assess and control work methods, resources, and systems to meet site work requirements
- Contribute to controlling work quality, progress and cost at Construction Site
- Develop productive working relationships, manage changes, claims and resolve disputes
- Learn cost control and progress payment administration
- Lead project meetings and manage the performance of teams and individuals

## TRAINING METHODOLOGY

- This Construction Supervision Skills training course will utilise a variety of proven adult training techniques such as group discussions and team exercises to ensure maximum understanding, comprehension, and retention of the information presented. This includes a discussion of the goals of each participant to ensure their needs are fulfilled as far as possible. Questions are encouraged throughout, which provides opportunities for participants to discuss specific issues and, if possible, find appropriate solutions.

## ORGANISATIONAL IMPACT

The organisation will be able to expand and enhance their capacity in Construction Supervision by:

- Elevated site supervision control and monitoring capability
- Improved high-quality site supervision to ensure seamless coordination and collaboration by various construction parties
- Mitigating and navigating skillfully complex construction site scenarios, issues, problems, and challenges
- Effective management of complex changes, claims, and counterclaims at the construction site
- The quality of selecting the organization of the project and developing the management skills
- Saving the waste money as well the waste time by developing the skills of controlling both of the cost and the time

## PERSONAL IMPACT

- Effective supervision of various construction site scenarios
- Communicating and dealing with challenging and difficult stakeholders
- Milestones management - Planning, scheduling, and resourcing at various stage gates
- Applying change, claim, counterclaims, conflict and dispute resolution tools and techniques
- Effective site progress reporting and ensuring successful compliance with different layers KPIs
- Improving the technical skills of construction supervision

## WHO SHOULD ATTEND?

- This Construction Supervision Skills training course is designed for persons who desire to learn practical site management techniques that will assist them in completing work tasks, managing and matching key site stakeholders' expectations, establishing and maintaining priorities, and meeting deadlines for work and projects.

This training course is suitable for a wide range of Construction Project Management Professionals but will greatly benefit:

- Site Engineers
- Cost Engineers
- Site Superintendents
- Construction Managers
- Project Management Professionals

## Course Outline

### Organization, Health and Safety

- Define the Participants of the Project: Owner, Contractor and Subcontractors
- Clear Characteristics of Roles and Responsibilities
- Contractual Issues and Exposures in Construction Projects
- Basic Safety Rules and Compliance, Jobsite Conditions and Hazards
- Construction Equipment Safety
- Health, Safety, Environment, and Sustainability Compliance and Management

### Navigating, Coordinating and Harmonizing with Key Site Players

- Employer, Consultants, Contractors, Subcontractors Coordination
- Kick-off Meeting
- Owner and Contractor's Meetings
- Temporary Buildings, Utilities, Services and Confined Spaces
- Security and Hazard Control
- Team Phases, Development and Harmonization - Managing and Matching Expectations
- Master Schedule (Baseline): Bar Chart, Network Logic and Line-of-Balance

### Planning, Scheduling, Progress Control and Monitoring

- Critical Scheduling Instruments, Tools and Techniques
- Communicating and Updating Schedules
- Information Gathering and Feeding Back
- Scheduling and Resourcing Issues, Challenges and Way Forward
- Managing Anticipated and Unanticipated Risk at Site
- Factors Impacting Progress and Performance KPIs
- Tracking and Evaluating Time, Cost and Quality
- Site Compliance and Corrective Action

### Technical Skills of Construction Supervision

- Project Cash Flow and Progress Payment
- Introduction to Concrete and Reinforced Concrete
- Skills of Controlling the Quality of Concrete
- Understanding Soil Investigation and Challenges of Soil Mechanics
- Precaution during Construction Foundations
- Skills of Checking
- The Construction Elements
- The Design Drawings
- The Soil Investigation Report

## Changes, Claims, Counter Claims and Dispute Resolution

- Causes of Change and How to Effectively Manage Changes
- Claims, Counter Claims and Disputes
- Negotiation Strategies to Manage Multiple Claims and Disputes
- Complex Changes, Claims and Disputes Management
- Alternative Dispute Resolution (ADR) Tools and Techniques (Mediation and Arbitration)

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