



PROJACS ACADEMY
by 



Best Practices for Construction Project Scheduling

23 – 27 October 2023

London / United Kingdom

Introduction

Are you tired of constantly being behind schedule on your construction projects? Do you struggle to keep up with the demands of construction project scheduling? Look no further! This five-day training course on \"Best Practices for Construction Project Scheduling\" is here to help.

Our comprehensive training course will provide you with the necessary skills and knowledge to efficiently and effectively manage your construction project schedules. Our expert instructor will guide you through the critical path method (CPM) scheduling technique, as well as other scheduling methods, to ensure that you understand how to create a realistic project schedule from the outset. Throughout the course, you will also learn how to monitor and control your project schedule, identify and mitigate project risks, optimize your resource allocation, and much more.

This training course will highlight:

- Developing a comprehensive understanding of project scheduling methods
- Learning how to create a realistic and achievable project schedule
- Understanding how to monitor and control your project schedule for optimal results
- Optimizing resource allocation and management for improved efficiency
- Learning how to mitigate project risks and develop a contingency plan

Objectives

At the end of this training course, you will learn to:

- Understand project scheduling methods
- Develop scheduling skills
- Identify and manage risks
- Monitor and control the project schedule
- Enhance communication skills

Who Should Attend?

- Project and Construction Managers
- Site Supervisors
- Project Engineers, and Architects
- Project Owners

Course Outline

Day One

Introduction to Project Scheduling

- Overview of project scheduling in construction
- Understanding the importance of project scheduling
- Types of project scheduling methods
- Overview of (CPM) and its applications in construction project scheduling
- Hands-on practice on CPM scheduling technique

Day Two

Creating a Project Schedule

- Defining project scope, deliverables and milestones
- Developing a work breakdown structure (WBS) and assigning activities to it
- Estimating activity duration's and resources required
- Sequencing activities and creating a network diagram
- Hands-on practice on creating a project schedule

Day Three

Monitoring and Controlling Project Schedule

- Importance of monitoring and controlling project schedule
- Identifying and analyzing schedule variances
- Techniques for schedule compression and schedule recovery
- Developing a schedule performance index (SPI)
- Hands-on practice on monitoring and controlling project schedule
- Project Reporting

Day Four

Resource Optimization in Project Scheduling

- Understanding resource optimization in construction projects
- Identifying resource constraints and optimizing resource allocation
- Resource leveling and resource smoothing techniques
- Hands-on practice on resource optimization in project scheduling
- Conflict resolution and negotiations for dealing with project delays

Day Five

Risk Management in Project Scheduling

- Overview of risk management in construction project scheduling
- Identifying project risks and developing risk mitigation strategies
- Understanding the impact of risk on project schedule
- Developing a contingency plan for managing project risks
- Lean Project Management

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a 7" Tablet containing a copy of the presentation, slides and handouts
- Post-assessment

Program Support

This program is supported by interactive discussions, role-play, case studies and highlight the techniques available to the participants.

Schedule

The course agenda will be as follows:

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|---------------------|------------------|
| • Technical Session | 08.30-10.00 am |
| • Coffee Break | 10.00-10.15 am |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break | 12.15-12.45 pm |
| • Technical Session | 12.45-02.30 pm |
| • Course Ends | 02.30 pm |

Course Fees*

- **5,500 USD**
**VAT is Excluded If Applicable*