CONSTRUCTION PROJECT SCHEDULING WITH MS-PROJECT

Welcome to our comprehensive course on Construction Project Scheduling with Microsoft Project! In the dynamic realm of construction, efficient project management is the cornerstone of success, and Microsoft Project is your essential tool for achieving it. Over the duration of this course, we will equip you with the knowledge and skills required to harness the full potential of Microsoft Project for precise scheduling, resource allocation, and tracking in the context of construction projects. Whether you're a seasoned project manager or new to the construction industry, our expert instructors will guide you through practical exercises and real-world scenarios, ensuring that you emerge with the expertise needed to streamline your construction projects, meet deadlines, and optimize resources with confidence. Get ready to master Microsoft Project and become a construction scheduling pro!

Unlock the Power of Precision: Join our Microsoft Project for Construction Project Scheduling course and transform your construction projects. Learn to create, manage, and optimize schedules with industry-specific expertise, using the world's leading project management tool. Dive deep into real-world scenarios, gain hands-on experience, and master critical path analysis for timely, efficient project execution. Elevate your construction career – enroll today!

Course Duration: 4 weeks

Summary of what you will learn:

- BoQ to project program
- Baselines: Creating and modifying
- Tracking: % Completion
- Reporting: Weekly, Monthly Reports
- Physical & Financial S-Curve
- Revising an on-going project
- Constraints
- The Critical Path: What & Why

This comprehensive course is designed to empower construction professionals with the skills and knowledge needed to effectively use Microsoft Project for scheduling, tracking, and managing construction projects. Participants will gain hands-on experience in creating, optimizing, and analyzing construction schedules using Microsoft Project, and will learn industry-specific best practices to ensure successful project execution.

Introduction to Construction Project Management and Microsoft Project

- Understanding construction project management
- Overview of Microsoft Project and its relevance in construction
- Setting up a project and basic navigation

Building a Construction Schedule

- Defining project scope, objectives, and constraints
- Task identification, sequencing, and duration estimation
- Creating a project schedule with Microsoft Project

Resource Allocation and Tracking

- Allocating resources to tasks
- Managing resource calendars and costs
- Monitoring and tracking construction progress

Advanced Topics in Construction Project Scheduling

- Critical path analysis and risk management
- Baseline scheduling and project reporting
- Real-world case studies and best practices in construction project scheduling

Assessment and Final Project:

- Assignments and quizzes
- Sample project: Create a construction schedule for a sample project
- Final project: Develop and optimize a construction schedule for a sample construction project

Prerequisites:

- Basic knowledge of Windows, Word & Excel
- Familiarity with construction terminology and processes

Learning Outcomes: By the end of this course, participants will:

- Understand the principles of construction project management.
- Be proficient in using Microsoft Project for construction project scheduling.
- Effectively create and manage construction schedules, tasks, and resources.
- Be capable of tracking construction project progress and making adjustments.
- Apply critical path analysis and risk management techniques.
- Develop and present comprehensive project reports and schedules.

This course aims to equip construction professionals with the essential skills and knowledge to leverage Microsoft Project as a powerful tool for optimizing construction project schedules, ensuring timely project completion, and minimizing costly delays.