

**Training
Course**

Engineering Project Execution and Control

Course Plan

Introduction

The successful execution and control of engineering projects are crucial for achieving project objectives, ensuring quality, meeting deadlines, and staying within budget. “Engineering Project Execution and Control” is an advanced training program designed to equip professionals with the essential skills and methodologies for executing engineering projects effectively. The course covers key concepts such as planning, risk management, resource allocation, and project control, with a focus on optimizing performance and mitigating potential project risks. Participants will also learn how to measure and monitor project progress to ensure successful project delivery.

Course Objectives:

- ✓ Understand the critical phases of engineering project execution and control.
- ✓ Develop skills in resource allocation, time management, and budgeting.
- ✓ Learn to effectively monitor and track project progress against objectives.
- ✓ Identify and mitigate risks throughout the project lifecycle.
- ✓ Implement quality control and assurance processes to ensure project success.
- ✓ Master project documentation and reporting to stakeholders.

Who Should Attend?

- Project managers and project engineers
- Engineering team leaders and supervisors
- Professionals involved in the planning and execution of engineering projects
- Construction managers and contractors
- Risk management specialists
- Quality control engineers and project controllers

Training Methods:

- ✓ Online Video material.
- ✓ Presentation.
- ✓ Live Interactive sessions.
- ✓ Course presenter will make extensive use of all tools that will be needed for the virtual environment.
- ✓ Questions & Answers

Course Outline:

Day One

- Introduction to Engineering Project Execution and Control
- Overview of the Project Lifecycle in Engineering Projects
- Project Scope and Deliverables Definition
- Engineering Project Planning: Techniques and Tools
- Time Management and Scheduling in Engineering Projects

Day Two

- Cost Estimation and Budgeting for Engineering Projects
- Resource Allocation: Managing Human, Material, and Financial Resources
- Project Risk Management: Identification, Assessment, and Mitigation
- Establishing Project Baselines for Schedule and Budget
- Project Control Systems: Monitoring and Reporting Techniques

Day Three

- Quality Management and Control in Engineering Projects
- Change Management: Handling Scope Creep and Project Variations
- Communication and Collaboration in Project Execution
- Project Documentation and Record Keeping
- Handling Procurement and Subcontracting in Engineering Projects

Day Four

- Performance Measurement: KPIs, Earned Value Management, and Progress Tracking
- Problem Solving and Decision Making in Project Execution
- Conflict Resolution in Engineering Projects
- Stakeholder Management: Engaging Clients and Teams Effectively
- Project Closure: Final Inspections, Documentation, and Handover

Day Five

- Post-Project Evaluation and Lessons Learned
- Managing Multiple Engineering Projects Simultaneously
- Lean Project Management Principles in Engineering Projects
- Sustainable Practices in Engineering Project Execution
- Emerging Trends and Technologies in Project Execution and Control

Training Details

Course Duration	5 Days
Pre-Schedule	22 – 26 June 2025
Venue	Dubai – The H Hotel
Training Fees Per Person	KWD 1300 (One Thousand Three Hundred Only)
Course Fees Include	<ul style="list-style-type: none"> ✓ Tuition documentation ✓ Curriculum and Training Handout ✓ Five star Lunch ✓ Completion Certificates ✓ Lunch Included