London TDM

Engineering and Technical Skills Training Courses

Course Venue: United Kingdom - London

Course Date: From 19 April 2026 To 23 April 2026

Course Place: London Paddington

Course Fees: 7,500 USD

Introduction

The "Engineering Project Planning and Execution" course is designed to equip engineers with the essential skills and knowledge needed for effective project management. Over the course of five days, participants will explore various methodologies, tools, and techniques used in planning, executing, monitoring, and closing engineering projects. Through interactive sessions, practical exercises, and case studies, attendees will gain the expertise needed to manage complex projects within scope, time, and budget constraints.

- Understand the fundamentals of project management within an engineering context.
- Develop comprehensive project plans that align with business goals.
- Apply risk assessment and mitigation strategies to engineering projects.
- Master tools for monitoring and controlling project progress and quality.
- Execute effective communication and leadership strategies for project success.

Course Outlines

Day 1: Introduction to Engineering Project Management

- Overview of Project Management and its Importance in Engineering
- Project Life Cycle and Phases
- Key Terminologies and Concepts
- Stakeholder Identification and Engagement
- Components of a Project Charter

Day 2: Project Planning Fundamentals

- Defining Project Scope and Objectives
- Work Breakdown Structure (WBS) Development
- Estimating Time, Costs, and Resources
- Creating Detailed Project Schedules using Gantt Charts
- Introduction to Project Management Software Tools

Day 3: Risk Management and Quality Assurance

- Identifying and Analyzing Project Risks
- Risk Mitigation and Contingency Planning
- Quality Management Principles in Engineering Projects
- Developing Quality Assurance and Control Plans
- Continuous Improvement Techniques

Day 4: Project Execution and Monitoring

- Executing Project Plans and Work Packages
- Monitoring Project Performance with Key Metrics and KPIs
- Change Management and Control Processes
- Resource Allocation and Procurement Strategies
- Effective Communication and Team Management

Day 5: Project Closure and Evaluation

- Formalizing Project Closure
- Post-Implementation Review and Lessons Learned
- Documenting and Reporting Project Performance
- Recognizing and Celebrating Success
- Professional Development and Continuing Education in Project Management