



**Excellence in Engineering Project Management**

[www.masterpeaktraining.com](http://www.masterpeaktraining.com)

phone: +905302682631

Email: [info@masterpeaktraining.com](mailto:info@masterpeaktraining.com)

## **Excellence in Engineering Project Management**

**5 days training course**

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**For detailed information on training course dates, please click the link:**

**[Excellence in Engineering Project Management.](#)**

**Target Audience:**

- Project managers and team leaders in engineering sectors.
- Engineers transitioning into managerial roles.
- Professionals involved in construction, manufacturing, and infrastructure projects.
- Consultants and contractors aiming to improve project outcomes.
- Senior executives overseeing engineering project portfolios.

**Introduction:**

Engineering projects operate in complex environments, requiring structured management approaches to ensure successful execution. This intensive program equips professionals with essential project management skills, covering planning, risk assessment, stakeholder engagement, and performance monitoring. Participants will gain practical strategies to enhance efficiency, mitigate risks, and drive project success.

**Training Objectives:**

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

- Understand the key principles of engineering project management and its lifecycle.
- Develop structured project plans, schedules, and resource allocation strategies.
- Identify and mitigate project risks while ensuring quality control.
- Lead project teams effectively and manage stakeholder expectations.
- Monitor project performance using KPIs and implement best practices for closure.

## **Course Outline:**

### **Day 1: Core Principles of Engineering Project Management**

- The Engineering Project Lifecycle: From Concept to Completion
- Defining Scope, Objectives & Deliverables
- Engineering-Specific Project Challenges & Solutions
- Project Initiation: Stakeholder Identification & Requirement Analysis

### **Day 2: Advanced Planning & Scheduling Techniques**

- Work Breakdown Structures (WBS) for Engineering Projects
- Scheduling Strategies: Gantt Charts, Critical Path Method (CPM), and PERT
- Resource Allocation & Cost Estimation Techniques
- Project Planning Software & Digital Tools for Engineers

### **Day 3: Risk Management & Quality Control**

- Identifying & Assessing Risks in Engineering Projects
- Strategies for Uncertainty Management & Risk Mitigation
- Quality Assurance & Compliance with Industry Standards
- Implementing Effective Control Measures & Audits

### **Day 4: Leadership, Communication & Stakeholder Engagement**

- Building & Leading High-Performance Engineering Teams
- Effective Communication Strategies for Technical Projects
- Managing Stakeholder Expectations & Conflict Resolution
- Ethical & Professional Responsibilities in Engineering Management

### **Day 5: Project Monitoring, Performance Evaluation & Closure**

- Measuring Progress: Key Performance Indicators (KPIs) & Metrics
- Performance Monitoring & Real-Time Project Adjustments
- Project Reviews, Lessons Learned & Continuous Improvement
- Best Practices for Project Handover & Closure



## DOCUMENTATION

The **MTC team** has meticulously prepared **high-quality training materials** for distribution to all delegates.

## CERTIFICATES

An **accredited Certificate of Completion** will be awarded to participants who successfully attend and complete the program.

## SCHEDULE

Course sessions are scheduled as follows:

- **Morning Session:** 09:00 AM – 1:00 PM
- **Afternoon Session:** 01:00 PM – 05:00 PM

## REGISTRATION & PAYMENT

To register, please complete the **registration form** available on the course page and submit it with your **preferred payment method**. Alternatively, you can contact us via **email or WhatsApp** for assistance.

## TRAVEL & TRANSPORT

We ensure a **seamless travel experience** by providing **airport-hotel-airport** transfers for all participants.