



## MAINTENANCE MANAGEMENT



### COURSE OVERVIEW

This comprehensive 5-day Maintenance Management course is designed to equip participants with the skills and knowledge to plan, implement, and manage effective maintenance strategies that ensure operational reliability, cost efficiency, and asset longevity. The course integrates best practices from preventive, predictive, and reliability-centered maintenance (RCM) approaches, along with modern tools like Computerized Maintenance Management Systems (CMMS), KPI tracking, and risk-based planning. Participants will learn how to align maintenance goals with business objectives and develop a proactive maintenance culture that supports continuous improvement and safety.

### DATES, VENUES AND FEES



14 – 18 December 2025 - Dubai

(5 Days)

Fees

US\$ 4500

**Note:** Fee is per participant + 5% VAT (if applicable).

Groups from the same company can enjoy a **discounted** price.

### WHO SHOULD ATTEND?

This course is appropriate for a wide range of professionals but not limited to:

- Maintenance Engineers and Supervisors
- Maintenance and Asset Managers
- Plant Engineers and Operations Managers
- Facilities Managers
- Reliability Engineers
- CMMS Coordinators and Planners
- Technical professionals involved in maintenance planning and execution

### CONTACT US NOW

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## ACCREDITATION



**This training course is certified by CPD.**

The CPD Certification Service is the leading independent CPD accreditation institution operating across industry sectors to complement the Continuing Professional Development policies of professional institutes and academic bodies. The CPD Certification Service provides support, advice, and recognised independent CPD accreditation compatible with global CPD principles. CPD is the term used to describe the learning activities professionals engage in to develop and enhance their abilities and keep skills and knowledge up to date. CPD Units are only awarded to programmes after each programme is scrutinised to ensure integrity and quality according to CPD standards and benchmarks.

## COURSE CERTIFICATE

**MSTC** certificate will be issued to all attendees completing a minimum of 80% of the total tuition hours of the course.

**CPD** internationally recognized certificate will be issued for all participants who will meet the course requirements. CPD certificates will be issued within a month of the successful completion of the course.

## TRAINING METHODOLOGY

- Expert-led sessions with dynamic visual aids
- Comprehensive course manual to support practical application and reinforcement
- Interactive discussions addressing participants' real-world projects and challenges
- Insightful case studies and proven best practices to enhance learning

## LEARNING OBJECTIVES

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

- Understand the role of maintenance in organizational success and asset performance.
- Design and implement an effective maintenance strategy (corrective, preventive, predictive, and reliability-based).
- Plan, schedule, and control maintenance work to maximize uptime and productivity.
- Analyze and improve maintenance performance using key metrics (KPIs).
- Optimize spare parts and inventory control systems.
- Implement modern tools like CMMS for data-driven decision-making.
- Foster a safety-conscious and efficient maintenance team culture.

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## COURSE OUTLINE

### DAY 1

#### Introduction to Maintenance Management

- Pre test
- Role of maintenance in business and production
- Types of maintenance strategies: corrective, preventive, predictive, and reliability-centered
- Maintenance maturity models and benchmarking
- Aligning maintenance with organizational goals
- Overview of asset lifecycle management

### DAY 2

#### Maintenance Planning and Scheduling

- Work request and work order systems
- Planning principles and scheduling tools
- Resource estimation and allocation
- Managing backlog and work prioritization
- Maintenance workflow and process mapping
- Case studies and group exercises

### DAY 3

#### Reliability, Risk & Condition Monitoring

- Reliability-Centered Maintenance (RCM) principles
- Failure Modes and Effects Analysis (FMEA)
- Risk-Based Maintenance (RBM)
- Introduction to condition monitoring technologies (vibration analysis, thermography, oil analysis)
- Introduction to Predictive Maintenance (PdM)
- Creating inspection and monitoring plans

### DAY 4

#### CMMS, Spare Parts, and Cost Control

- Selecting and using a CMMS effectively
- Data quality and asset register setup
- Inventory and spare parts management
- Budgeting and cost analysis in maintenance
- Cost-benefit analysis of maintenance decisions
- Contractor and service provider management

### DAY 5

#### Performance Management and Continuous Improvement

- Maintenance Key Performance Indicators (KPIs)
- Using MTBF, MTTR, OEE for performance improvement
- Root Cause Analysis (RCA)
- Lean Maintenance and 5S in maintenance
- Building a proactive maintenance culture
- Action planning and implementation strategies
- Post test

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