



Maintenance & Reliability Management

**Maintenance work methods (preventive,  
corrective)**

## Course Introduction

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This comprehensive **5-day** training program has been meticulously crafted to equip participants with the essential skills and knowledge needed to excel in the field of maintenance. Whether you are a seasoned maintenance professional looking to enhance your expertise or a newcomer eager to grasp the fundamentals, this program is designed to cater to a diverse audience.

## Target Audience

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- Maintenance & Reliability Engineers – Designing effective maintenance strategies.
- Maintenance Technicians & Supervisors – Implementing preventive and corrective maintenance.
- Operations & Plant Managers – Ensuring equipment reliability.
- Asset & Facility Managers – Managing maintenance programs.
- Health, Safety & Compliance Officers – Ensuring regulatory adherence.

## Learning Objectives

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- Acquire a solid understanding of maintenance management principles and terminology.
- Appreciate the critical role that preventive and corrective maintenance play in overall operational efficiency.
- Learn to develop and implement effective preventive maintenance schedules.
- Explore various types of preventive maintenance and understand their applications.
- Gain insights into predictive maintenance technologies and their real-world applications.
- Distinguish between reactive and proactive maintenance approaches.

- Acquire skills in root cause analysis and failure modes and effects analysis (FMEA).
- Develop proficiency in planning and executing corrective maintenance tasks.
- Familiarize with modern maintenance management systems (CMMS).
- Explore asset tracking, condition monitoring, and augmented reality tools for maintenance.
- Gain hands-on experience with common maintenance tools.
- Understand the importance of safety procedures and compliance with regulations.
- Learn to identify hazards, assess risks, and implement effective safety measures.
- Develop an awareness of personal protective equipment (PPE) and emergency response protocols.

## Course Outline

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### • 01 DAY ONE

#### **Introduction to Maintenance Management**

- Overview of Maintenance Management
- Importance of Preventive and Corrective Maintenance
- Key Performance Indicators (KPIs) in Maintenance
- Maintenance Terminology and Definitions

### • 02 DAY TWO

#### **Preventive Maintenance**

- Types of Preventive Maintenance (Time-based, Condition-based, Predictive)
- Developing Preventive Maintenance Schedules
- Equipment Inspection and Lubrication
- Predictive Maintenance Technologies (Vibration analysis, infrared thermography, etc.)
- Case Studies on Successful Preventive Maintenance Programs

### • 03 DAY THREE

#### **Corrective Maintenance**

- Reactive Maintenance vs. Proactive Maintenance
- Root Cause Analysis Techniques
- Failure Modes and Effects Analysis (FMEA)
- Work Order Planning and Execution
- Emergency Response Protocols

#### • 04 DAY FOUR

##### **Maintenance Tools and Technologies**

- Computerized Maintenance Management Systems (CMMS)
- Asset Tracking and Management
- Use of Drones in Inspection
- Condition Monitoring Tools
- Augmented Reality (AR) in Maintenance

#### • 05 DAY FIVE

##### **Safety in Maintenance Work**

- Safety Procedures in Maintenance Work
- Personal Protective Equipment (PPE)
- Hazard Identification and Risk Assessment
- Emergency Response and Evacuation Plans
- Practical Application.

## Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 14, 2025	April 18, 2025	5 days	4250.00 \$	UAE - Abu Dhabi
July 7, 2025	July 11, 2025	5 days	4250.00 \$	UAE - Dubai

FROM	TO	DURATION	FEES	LOCATION
Nov. 2, 2025	Nov. 6, 2025	5 days	4250.00 \$	KSA - Riyadh