



Consulting and Training | Reach New Heights

Course Name

Advanced Maintenance Planning, Scheduling and Control

Sector Name

Maintenance & Reliability Management

Document Type

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Advanced Maintenance Planning, Scheduling and Control

Course Introduction

This training course is designed to provide participants with the advanced concepts, techniques, and best practices on maintenance planning, work control, and scheduling. This course will highlight topics such as planning and scheduling tools, procedures, maintenance plan types, classification of maintenance equipment, work allocation, material requirements planning, and use of the computer maintenance management system.

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Advanced Maintenance Planning, Scheduling and Control

Target Audience

- ✓ Maintenance & Reliability Engineers – Optimizing asset performance.
- ✓ Maintenance Managers & Supervisors – Enhancing planning and scheduling.
- ✓ Operations & Plant Managers – Ensuring efficient maintenance strategies.
- ✓ Asset & Facility Managers – Managing lifecycle costs and uptime.
- ✓ Supply Chain & Procurement Professionals – Ensuring timely spare parts availability.

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Learning Objectives

- ✓ Gain a comprehensive understanding of the advanced concepts of maintenance planning, scheduling, and work control
- ✓ Understand the key functions and classifications of equipment maintenance and apply techniques.
- ✓ Master the methods and approaches involved in advanced maintenance management.
- ✓ Obtain an in-depth understanding of Total Productive Maintenance (TPM), maintenance planning, and techniques for buildings.
- ✓ Utilize maintenance audit for internal benchmarking.
- ✓ Know how to maximize and utilize the computer maintenance management system.

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Course Outline

✓ **01 DAY ONE**

Review of Maintenance Concepts

- ✓ Basic and Advanced functions of maintenance
- ✓ The need for maintenance in the business/industry
- ✓ Basic and advanced maintenance resources

Classification of Equipment Maintenance and Techniques

- ✓ Run-to-failure
- ✓ Interval-Based Maintenance
- ✓ Predictive maintenance – Condition Maintenance
- ✓ Proactive Maintenance
- ✓ Reliability-based Maintenance (RBM)

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Course Outline

✓ 02 DAY TWO

Advanced Maintenance Management

- ✓ Maintenance Manager/Supervisor roles
- ✓ Objectives of Maintenance Management
- ✓ Advanced Maintenance Management Best Practices
- ✓ Building and leading a Maintenance Management Team

Total Productive Maintenance (TPM)

- ✓ Strategies for TPM
- ✓ Implementing TPM Action Plans

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Course Outline

✓ **03 DAY THREE**

Advanced Maintenance Planning

- ✓ Benefits and tools for Maintenance Planning
- ✓ The Maintenance Budget
- ✓ Maintenance Planning Best Practices

Techniques of Building Maintenance Planning and Scheduling

- ✓ Prioritization of Maintenance jobs
- ✓ Failure classification
- ✓ Potential failure
- ✓ Planning huge overhauls
- ✓ Equipment replacement

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Course Outline

✓ **04 DAY FOUR**

Planning of Spare Parts

- ✓ Maintenance material control
- ✓ Materials requirement planning (MRP)

Continuous Improvement in Maintenance

- ✓ The Maintenance Auditing Process
- ✓ Maintenance Auditing Methodology
- ✓ Conducting Maintenance Audit

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✓ **05 DAY FIVE**

Maintenance Audit for Internal Benchmarking

- ✓ Measuring and evaluating maintenance performance
- ✓ Maintenance Key Performance Indicators (KPI)

Computer Maintenance Management System

- ✓ Operational maintenance
- ✓ Outsourcing
- ✓ Work order and work request creation
- ✓ Shutdown management (pre-shutdown works, shutdown execution, post-shutdown)

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 26, 2027	April 30, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
July 5, 2027	July 9, 2027	5 days	4250.00 \$	UAE , Dubai
Oct. 18, 2027	Oct. 22, 2027	5 days	4250.00 \$	UAE , Dubai
Jan. 10, 2027	Jan. 14, 2027	5 days	4250.00 \$	KSA , Riyadh
July 26, 2027	July 30, 2027	5 days	4950.00 \$	Spain , Madrid

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