

MAINTENANCE PLANNING, SCHEDULING, EQUIPMENT COORDINATION & COST OPTIMIZATION

"Maximize Efficiency and Minimize Costs through Effective Maintenance Management"

Schedule

Date	Venue	Fees (Face-to-Face)
02 - 04 Jun 2026	Manama, Bahrain	USD 2,495 per delegate
07 - 09 Jul 2026	Manama, Bahrain	USD 2,495 per delegate
27 - 29 Oct 2026	Doha, Qatar	USD 2,495 per delegate
24 - 26 Nov 2026	Doha, Qatar	USD 2,495 per delegate

► Available delivery methods: Face-to-Face & Online Training

Introduction

This 3-day course on Maintenance Planning, Scheduling, Equipment Coordination & Cost Optimization is designed to equip professionals with the essential skills needed to effectively plan and schedule maintenance activities, coordinate equipment usage, and optimize costs. Participants will gain practical insights into how to develop and implement maintenance strategies that maximize equipment availability, minimize downtime, and reduce operational costs.

The course covers all aspects of maintenance management, including preventive, predictive, and corrective maintenance strategies. It focuses on enhancing the performance of maintenance teams, aligning maintenance activities with production goals, and implementing cost-effective maintenance practices that contribute to overall organizational success.

Objectives

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

- Develop effective maintenance planning and scheduling strategies
- Optimize maintenance costs while ensuring equipment reliability and performance
- Coordinate maintenance activities across different departments and teams
- Apply cost-effective techniques for preventive, predictive, and corrective maintenance
- Understand and apply key performance indicators (KPIs) for maintenance efficiency
- Improve equipment uptime and minimize maintenance-related downtime

Why Attend

- Learn proven strategies for effective maintenance planning and scheduling
- Understand the key elements of cost optimization in maintenance management
- Gain insights into coordinating maintenance activities to maximize efficiency
- Improve your ability to manage and optimize resources in maintenance projects
- Learn how to track and measure maintenance performance using KPIs
- Develop skills to reduce unplanned downtime and increase equipment reliability

Target Audience

This program is designed for:

- Maintenance and reliability engineers and technicians
- Maintenance planners and schedulers
- Asset management and operations managers
- Production managers seeking to improve equipment reliability and reduce costs
- Supply chain and procurement professionals involved in maintenance planning and execution

Individual Benefits

Key competencies that will be developed include:

- Expertise in creating detailed maintenance plans and schedules
- Skills in cost optimization for maintenance activities
- Ability to manage equipment coordination across multiple teams
- Knowledge of maintenance KPIs and how to improve them
- Hands-on experience in applying real-world maintenance strategies

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased equipment availability and reduced downtime
- Enhanced coordination between maintenance, production, and operations teams
- Optimized maintenance budgets and reduced overall costs
- Streamlined processes for preventive and corrective maintenance
- Improved asset management and maintenance effectiveness

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Introduction to advanced maintenance planning and scheduling concepts
- Case Studies – Analysis of real-world maintenance challenges and solutions
- Workshops – Practical exercises on creating maintenance schedules, planning maintenance activities, and cost optimization
- Peer Exchange – Group discussions on best practices for coordinating maintenance efforts across teams
- Tools – Use of maintenance management software, cost optimization techniques, and KPI tracking

Course Outline

Detailed 3-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Fundamentals of Maintenance Planning and Scheduling

- Module 1: Introduction to Maintenance Management (07:30 – 09:30)
 - Understanding the importance of effective maintenance planning
 - Key components of a successful maintenance management system
 - The role of planning and scheduling in minimizing downtime
- Module 2: Maintenance Planning Strategies (09:45 – 11:15)
 - Overview of preventive, predictive, and corrective maintenance strategies
 - Creating maintenance plans based on equipment criticality and failure modes
 - Developing maintenance schedules for both routine and emergency activities
- Module 3: Scheduling Best Practices (11:30 – 01:00)
 - Tools and techniques for effective maintenance scheduling
 - How to balance production and maintenance activities
 - Resource management and optimizing technician workload

Day 2: Equipment Coordination and Cost Optimization

- Module 4: Equipment Coordination Across Teams (07:30 – 09:30)
 - How to coordinate maintenance activities across different departments
 - Managing downtime and equipment availability
 - Strategies for optimizing equipment use during maintenance activities
- Module 5: Maintenance Cost Optimization (09:45 – 11:15)
 - Techniques for reducing maintenance costs while maintaining reliability
 - Developing cost-effective preventive and corrective maintenance plans
 - How to balance maintenance budget constraints with operational requirements
- Module 6: Managing Maintenance Budgets (11:30 – 01:00)
 - Setting realistic budgets for maintenance activities
 - Tracking and controlling maintenance costs using KPIs
 - Identifying and implementing cost-saving opportunities

Day 3: Performance Metrics, KPI Tracking, and Continuous Improvement

- Module 7: Key Performance Indicators (KPIs) for Maintenance (07:30 – 09:30)
 - Introduction to maintenance KPIs and their significance
 - How to track and measure maintenance performance effectively
 - Using KPIs to monitor and improve maintenance activities
- Module 8: Continuous Improvement in Maintenance Operations (09:45 – 11:15)
 - How to implement continuous improvement strategies in maintenance
 - Root cause analysis for maintenance failures
 - Lean maintenance and its application in reducing waste and improving efficiency
- Module 9: Creating a Maintenance Optimization Plan (11:30 – 01:00)
 - Developing a comprehensive maintenance optimization plan
 - Leveraging technology for maintenance management
 - Case study on improving maintenance operations in an organization

Certification

Participants will receive a Certificate of Completion in Maintenance Planning, Scheduling, Equipment Coordination & Cost Optimization, validating their expertise in optimizing maintenance processes and coordinating activities to improve operational efficiency.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
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