MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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IMPLEMENTING EFFECTIVE PREVENTIVE AND PREDICTIVE MAINTENANCE PROGRAMMES

"Maximize Equipment Reliability, Reduce Downtime, and Optimize Maintenance Costs with Proven Strategies."

Schedule

Venue (In-house)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

Preventive and predictive maintenance are critical strategies to ensure equipment reliability, operational efficiency, and cost-effective performance in industrial environments. Organizations that implement these approaches can minimize unplanned downtime, extend asset life, and improve safety standards.

This course provides participants with the practical knowledge and tools to design, implement, and optimize preventive and predictive maintenance programmes. Through real-world examples, case studies, and interactive exercises, participants will learn how to apply best practices for maintenance planning, condition monitoring, and performance optimization.

Objectives

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

- Understand the principles and importance of preventive and predictive maintenance.
- Design maintenance programmes tailored to organizational needs.
- Implement condition monitoring and predictive analytics techniques.
- Schedule maintenance activities efficiently to reduce operational disruptions.
- Apply reliability-centered maintenance (RCM) and risk-based maintenance (RBM) strategies.
- Analyze maintenance data to identify trends and improve decision-making.
- Integrate technology and tools for monitoring, planning, and reporting.
- Evaluate the effectiveness of maintenance programmes and implement improvements.

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Why Attend

Maintenance costs and equipment failures significantly impact operational efficiency and profitability. This course equips participants with the knowledge and practical skills to transform maintenance practices, ensuring high equipment reliability, operational safety, and cost savings. It is ideal for engineers, maintenance managers, and technical professionals seeking to enhance maintenance performance.

Target Audience

This course is suitable for:

- Maintenance Managers and Supervisors
- Reliability Engineers and Technicians
- Plant and Operations Managers
- Mechanical, Electrical, and Process Engineers
- Asset Managers and Production Supervisors
- Professionals responsible for maintenance planning and performance monitoring

Individual Benefits

- Gain practical skills in implementing preventive and predictive maintenance programmes.
- Improve problem-solving and analytical capabilities for maintenance optimization.
- Learn to utilize technology and data analytics for predictive maintenance.
- Enhance career development opportunities in maintenance and reliability management.
- Increase confidence in making maintenance decisions that improve asset reliability.

Organizational Benefits

- Reduce unplanned downtime and maintenance costs.
- Extend the lifespan and performance of critical equipment.
- Improve operational efficiency and productivity.
- Strengthen safety, compliance, and reliability standards.
- Build internal expertise for systematic maintenance and continuous improvement.

Instructional Methodology

The course employs an interactive, hands-on approach:

- Expert-led theoretical and practical sessions
- Case studies and real-world maintenance scenarios
- Group discussions and problem-solving exercises
- Hands-on demonstrations of predictive maintenance tools and techniques
- Continuous feedback, Q&A sessions, and practical assignments

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Course Outline

Module 1: Introduction to Preventive and Predictive Maintenance

Module 2: Maintenance Planning and Scheduling Techniques

Module 3: Condition Monitoring and Predictive Tools

Module 4: Reliability-Centered Maintenance (RCM)

Module 5: Risk-Based Maintenance (RBM)

Module 6: Failure Analysis and Root Cause Identification

Module 7: Performance Metrics and Maintenance KPIs

Module 8: Maintenance Data Collection, Analysis, and Reporting

Module 9: Integrating Technology and Automation in Maintenance

Module 10: Case Studies and Developing an Effective Maintenance Programme

Certification

Upon successful completion, participants will receive a Certificate in Implementing Effective Preventive and Predictive Maintenance Programmes, recognizing their ability to design, implement, and optimize maintenance programmes for industrial and organizational excellence.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**