



**FMM INSTITUTE**

(C10626805080/ 199901000527/ 475427-W)

*Centre for Professional Development*



# IMPLEMENTING EFFECTIVE PREVENTIVE MAINTENANCE THE JOURNEY TO MAINTENANCE EXCELLENCE

## OVERVIEW

Effective Implementation of Total Preventive Maintenance (TpM) represents an organized, standardized, and structured approach to preventive maintenance. The systematic approach ensures that all staff understand their role in maintaining equipment effectively, reducing downtime and maximizing overall equipment effectiveness (OEE) to meet the production needs at all times.

What is unique to TpM is that it empowers machine operators to take on basic maintenance responsibilities. The idea is that people who operate the equipment can be upskilled to perform routine maintenance tasks on "their" machines. This leads to the creation of company-wide proactive maintenance culture and the development of efficient preventive maintenance procedures

## WHO SHOULD ATTEND

- Maintenance - Managers, Engineers, Supervisors, Technicians
- Operations - Managers, Engineers, Supervisors & Line Functions Personnel

## METHODOLOGY

- Lectures, Case Studies, Practical hands-on exercise, question and answer

All cancellations must be made in writing. There will be no charge for cancellation received 7 or more working days before the start of the programme. Cancellation received 5 working days before the start of the programme is subjected to a cancellation fee of 50% of the course fees. Cancellation received 3 working days and below before the start of the programme is subjected to cancellation fee of 100% of the course fees. If the participant fails to attend the programme, the full course fees are payable. However, replacement can be accepted at no additional cost.

### ADMINISTRATIVE DETAILS

Date : **March 9-10, 2026**  
(Monday-Tuesday)

Time : **2 Days (9:00 am - 5:00 pm)**

Venue : **FMM Institute, Johor Branch**  
**No. 1 & 3, Jalan Kencana Mas 1/1,**  
**Tebrau Business Park III,**  
**81100 Johor Bahru, Johor**

Fees : **RM 1,215.00 (FMM Member)**  
**RM 1,350.00 (Non member)**  
*The fee inclusive Service Tax at 8%*  
*(SST No: W10-1901-32000105)*

Closing Date : **February 23, 2026 (Monday)**

Training Provider : **FMM Institute Johor**  
**MYCOID: 475427W\_JOHOR**



## COURSE OUTLINE

### 1. INTRODUCTION TO PREVENTIVE MAINTENANCE

- Definition of Preventive Maintenance (PM)
- Objectives and Importance of Preventive Maintenance (OM)
- Benefits of Preventive Maintenance over Reactive and Corrective Maintenance

### 2. TPM PHILOSOPHY

- 8 Pillars of TPM
- Emphasizes Proactive and Preventive Maintenance
- Aims to Maximize Equipment Effectiveness
- Encourages Total Employee Involvement

### 3. KEY PERFORMANCE INDICATORS (KPIs)

- PM compliance rate
- Equipment uptime/downtime
- Mean Time Between Failures (MTBF)
- Mean Time to Repair (MTTR)
- Overall Equipment Effectiveness (OEE)

### 4. UNDERSTANDING EQUIPMENT EFFECTIVENESS

- Six Big Losses of Equipment Effectiveness
- Eliminating the Six Big Losses
- Standardization of Maintenance Activities

### 5. DEVELOPING AN EFFECTIVE PREVENTIVE MAINTENANCE PROGRAM

- 8 Steps in Implementing Preventive Maintenance
- Asset Criticality and Failure Modes
- Selecting Appropriate PM Tasks
- Creating PM Schedules and Checklists
- Establishing PM Intervals and Triggers

### 6. TOOLS, TECHNOLOGIES, EXECUTION & DOCUMENTATION

- Introduction to CMMS (Computerized Maintenance Management Systems)
- Use of Sensors, IOT, and Smart Tools in PM
- Work Order Generation and Tracking
- PM Task Execution by Technicians and Operators
- PM Program Checklist
- Recordkeeping, Reporting and Compliance
- Auditing and Standard Operating Procedures (Sops)





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## **COURSE OUTLINE**

### **7. TRAINING AND WORKFORCE ENGAGEMENT**

- Technician training and certification
- Autonomous Maintenance (operator involvement)
- Building a preventive culture in the workplace

### **8. CONTINUOUS IMPROVEMENT**

- Analyzing PM effectiveness
- Feedback and adjustment of PM schedules
- Root Cause Analysis (RCA)

### **9. SUCCESS FACTORS**

- Management commitment
- Cross-functional team involvement
- Clear communication
- Ongoing training & review

### **FACILITATOR**

**MR RAJANDRAN A/L KRISHNASAMY** with 36 years working with multinational semiconductor industry, has a vast experienced as a Section Head in the field of Engineering (20 years), Production Section Head (3 years) and Human Resource Section Head (13 years). With all the experience acquired, he has conducted numerous training programmes for the past 25 years, is a full-time trainer, provides training and consultancy in the areas of Technical, Production and Human Resource. He is responsible for developing and implementing Total Productive Maintenance in Motorola Semiconductor Sdn. Bhd., Seremban and won a gold medal in the Total Customer Satisfaction Competition held in Chicago, USA. He is also responsible for training Samsung Electron Devices, Seremban and have worked extensively with many multinational corporations, local companies, and governmental agencies.

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## MARCH 9 - 10,2026 | VENUE: FMM INSTITUTE, JOHOR BRANCH

FMM Institute (475427-W)

**Puan Sabrina / Pn. Astri / Pn. Ain**Email : [sabrina@fmm.org.my](mailto:sabrina@fmm.org.my) / [astri@fmm.org.my](mailto:astri@fmm.org.my)/ [nur\\_ain@fmm.org.my](mailto:nur_ain@fmm.org.my)

Tel: 07-357 7613 / 14 / 15 / 16 Fax: 07-357 7618

Please tick accordingly:

Fees: ☐ **FMM Member: RM 1,215.00/pax**  
(inclusive of 8% Service Tax (SST No: W10-1901-32000105))☐ **Non Member: RM 1,350.00/pax**  
(inclusive of 8% Service Tax (SST No: W10-1901-32000105))

Dear Sir/Madam,

Please register the following participant (s) for the above programme:

**(To be completed in BLOCK LETTERS)**

1.Name:

IC No:

Nationality:

Designation:

Email:

Mobile No.:

2.Name:

IC No:

Nationality:

Designation:

Email:

Mobile No.:

*(if space is insufficient, please attach a separate list)***Disclaimer**

Registration is on a first-come first-served basis. All cancellations must be made in writing. There will be no charge for cancellation received 7 or more working days before the start of the webinar. **Cancellation received 5 working days** before the start of the webinar is **subject to a cancellation fee of 50%** of the webinar fees. **Cancellation received 3 working days and below** before the start of the webinar is **subject to a cancellation fee of 100%** of the webinar fees. **If the participant fails to attend the programme, the full webinar fees are payable.** However, replacement can be accepted at no additional cost. The FMM Institute reserves the right to change the speaker, reschedule or cancel the webinar and all efforts will be taken to inform participants of the changes.

**We hereby confirmed that (please tick accordingly):**

☐ We will be claiming under **HRD CORP CLAIMABLE COURSES** and full payment would made to FMM Institute in the event that no disbursement from HRD Corp under any circumstances.

☐ I (self-sponsor) / We will **NOT BE CLAIMING** under **HRD CORP CLAIMABLE**. Payment will be made to the account payee **FMM Institute** by cheque or bank transfer to **Maybank Account No. 501280056601**.

Tin No. : C10626805080

BRO No. : 475427-W

SST No. : W10-1901-32000105

**Submitted by:**

Name:

Email:

Designation:

Tel No:

Mobile No:

Company:

Address:

Tin No. :  
(Company Tax Number)Business Registration  
No. (New/Old)SST No  
(If Applicable):

Company Stamp &amp; Signature:

Date: