



TECHNICAL TROUBLESHOOTING AND DECISION-MAKING FOR MAINTENANCE

OBJECTIVES

- Gain in-depth understanding of failures
- Understand the implication of high downtime
- Apply latest troubleshooting skills

COURSE CONTENT

- **Understanding Problems**
 - Autonomy of problems
 - Sporadic vs chronic failures
 - Impact of problems
 - Categories of failures
 - Failure consequences
 - Current problem-solving approaches
- **Troubleshooting Techniques**
 - Using the right tools
 - use of diagnostic instruments
 - use of mechanical drawings
 - use of circuit diagrams
 - use of standards
- **Physical troubleshooting**
 - using the five senses
 - why-why analysis
- **Mind mapping process**
- **P-M analysis**
 - autonomy of chronic problems
 - 8 steps of P-M analysis
- **Decision Making for Maintenance**
- **Maintenance “a reliability function”**
- **Importance of good decision making**
- **The decision-making process**
- **6 key points for effective decision making available**

ADMINISTRATIVE DETAILS

Date : January 26 - 27, 2026
 Time : 9.00am – 5.00pm
 Venue : FMM Selangor & Kuala Lumpur Branch
 No 8A, Jalan Pensyarah U1/28, Hicom
 Glenmarie Industrial Park, 40150 Shah Alam,
 Selangor.
 Fees : FMM Members – RM 1,350.00 per participant
 Non-Members – RM 1,566.00 per participant
 (inclusive of 8% service tax)
 (Fees include course materials, Refreshments and
 Certificate of Attendance)

TRAINER PROFILE

Mr Nyana Pragasam holds a Master in Manufacturing (International Islamic University Malaysia), in addition to the Bachelor Engineering (Honours) in Electrical and Electronic Engineering and Diploma in Mechanical Engineering. As the Maintenance Manager of ON Semiconductor/ Motorola Corporation from year 2000 to 2009, he was involved in leading team of engineers and technicians, meeting organisational goals, monitoring and reviewing project timeline for prompt equipment delivery, meeting production datelines and creating partnership with vendors for cost reduction and just-in-time delivery. Amongst the industry practical experience in the field of equipment engineering, Nyana was responsible for setting up/maintaining equipment for manufacturing operation, maximising equipment effectiveness so each type of equipment could be operated to its full potential, taking the analytical approach to identify the causes of the failure through continuous improvement methodology, addressing major breakdown losses resulting in high defect rates causing high yield losses. In assuming his role, he has developed strong leadership competence and has excelled in mediating among other divisions of the organisation in creating healthy working atmosphere.

WHO SHOULD ATTEND

Technicians and Maintenance personnel

For further inquiries please contact:

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REGISTRATION FORM

TECHNICAL TROUBLESHOOTING AND DECISION-MAKING FOR MAINTENANCE

January 26 - 27, 2026 (Monday - Tuesday)

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Email: siti_nazihah@fmm.org.my/ azrini@fmm.org.my

Tel: 03-5569 2950/4471/4171

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

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Nationality	IC / Passport No.
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(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 14 or more working days before the start of the programme. Cancellation received 7 – 14 working days before the start of the programme is subject to a cancellation fee of 50% of the programme fees. Cancellation received 6 working days and below before the start of the programme is subject to a cancellation fee of 100% of the programme fees. If the participant fails to attend the programme or less than 75% attendance, the full programme 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 programme and all efforts will be taken to inform participants of the changes.

We hereby confirm that (Please tick accordingly):

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☐ We will NOT BE CLAIMING from HRD Corp. Payment will be made to account payee FMM Institute by cheque or bank transfer to Maybank Account No 5-62106-64719-2

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