



FMM WORKSHOP ON PRACTICAL AI PROMPTING FOR MANUFACTURING OPERATIONS (ENGINEERING)

NOVEMBER 17, 2026 (Tuesday)

9.00 am - 5.00 pm / Swiss Avenue Hotel, Sg Petani

Engineering teams play a critical role in supporting production through documentation, troubleshooting, and process improvement. Yet, much time is spent on repetitive tasks such as design change notes, maintenance logs, validation reports, and corrective action documentation. Generative AI can accelerate these tasks, but many engineers use it inconsistently or without awareness of risks like data confidentiality and accuracy. This workshop equips engineering professionals with practical prompting skills using the RCFC Framework (Role–Context–Format–Constraint), applied directly to engineering support functions

OBJECTIVES

At the end of the programme, participants will be able to:

- **Use AI for engineering tasks** – Support documentation, analysis, and troubleshooting.
- **Apply RCFC prompts** – Create clear, reusable prompts for technical work.
- **Handle technical documents** – Draft, summarise, and restructure notes, logs, and reports.
- **Solve problems with AI** – Apply Root Cause Analysis, FMEA, and simulations.
- **Practice responsible AI** – Ensure compliance with data protection and confidentiality.
- **Build a prompt library** – Develop templates for maintenance, quality, and process improvement.

SPEAKER:

Ts. Mohd Arif Mohd Ghazali

With over 28 years of enterprise IT and infrastructure experience, Ts. Mohd Arif Mohd Ghazali is a seasoned consultant and HRD Corp Accredited Trainer specializing in AI workforce enablement, digital transformation, and LMS deployment. He has led nationwide technology projects, including classroom management systems and enterprise integrations across major organisations, while delivering impactful training programmes on safe, responsible, and role-based AI adoption.

Certified in AWS Cloud Technical Essentials, Google Gemini, and iSpring, Arif combines technical depth with practical training delivery in both English and Bahasa Malaysia. Recognised as a thought leader in Malaysia's digital learning and public sector readiness, he continues to empower organisations to embrace AI and digital transformation effectively and responsibly.

Time	Session
9:00 – 10:30	Module 1: AI Essentials for Engineering – <i>Generative AI basics, hallucination risks, responsible use in technical documentation</i>
10:30 - 10:45	Tea Break
10:45 – 12:30	Module 2: RCFC Prompting Framework – <i>Strong vs weak prompts, quick wins (design notes, maintenance reports, technical emails), AI-assisted FMEA</i>
12:30 - 13:30	Lunch
13:30-15:30	Module 3: Engineering Prompt Labs – <i>Guided labs using sample engineering data (drawings, maintenance logs, validation reports)</i>
15:30 - 15:45	Afternoon Break
15:15 - 16:30	Module 4: Case Simulation – <i>Equipment Failure – containment, root cause, corrective action, and process redesign</i>
16:30- 17:00	Module 5: Prompt Library & Wrap-up – <i>Save/share templates, post-assessment</i>

TARGET GROUP

Process Engineers, Maintenance Engineers, Quality Engineers, Industrial Engineers, Engineering Executives supporting production teams

METHODOLOGY

- RCFC Prompting Framework (Role–Context–Format–Constraint)
- Live demos with engineering-specific data
- Case studies and simulations (equipment breakdown, process validation)
- Group labs for collaborative prompt building

PRE-REQUISITES

Basic computer literacy; laptop access; approved AI tool (Microsoft Copilot, ChatGPT, Google Gemini per company IT policy)



Inquiry: Call Zai/Meeza at 04-4403628 or email to fmmkedahperlis@fmm.org.my

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NOV 17, 2026 TUESDAY) @ SWISS AVENUE HOTEL, SG PETANI

REGISTRATION FORM

CLOSING DATE:
NOVEMBER 3, 2026

MYCOID: 007907X_KEDAH / SBL Khas Programme Number: TBA

PARTICIPANT(S) DETAILS

Full Name _____
Designation _____ IC Number: _____
Email address _____

Full Name _____
Designation _____ IC Number: _____
Email address _____

SUBMITTED BY

Name _____
Designation _____
Email address _____
Company Name _____
Company Address _____
Tel No: _____ FMM membership # _____

We hereby confirm that:

- ☐ We will be claiming under SBL-Khas Scheme and full payment would be made to Federation of Malaysian Manufacturing in the event that no disbursement from HRDF under any circumstances. The HRD Corp Grant Ref #: _____
- ☐ We will NOT be claiming under SBL-Khas Scheme. Please provide invoice.
- ☐ Vegetarian food for _____ pax.

SBL KHAS SCHEME

This programme is claimable under SBL-KHAS. FMM will claim the coursefee directly from the employer's account with HRD Corp. However, approval from HRD Corp is required prior to commencement of programme by submission via eTris under Skim Bantuan Latihan (SBL-KHAS). The company has to make the FULL PAYMENT to FMM in the event that no disbursement from HRD Corp (SBL-KHAS scheme) under any circumstances

DISCLAIMER

- FMM reserves the right to cancel or reschedule the programme.
- All efforts will be taken to inform registered participants of any changes.
- Attendance is by prior registration only.

ADMINISTRATIVE DETAILS

Date : **November 17, 2026 (Tuesday)**
Time : **9.00 am – 5.00 pm**
Venue : **Swiss Avenue Hotel, Sungai Petani**
Fee : **FMM/GS1 Members RM 810.00 per pax (incl 8% SST)**
: **Non-Members RM 918.00 per pax (incl 8% SST)**

PAYMENT & OTHER TERMS

- For Non HRDC claimable, Payment by bank transfer to **Maybank a/c no: 552107614029** (please email payment slip for receipt)
- For SBL Khas Scheme, an Attendance of 100% is a MUST; in any case, employers will be billed in full.
- SBL-Khas Scheme grant approval must be forwarded to FMM KP Branch at least 3 days before the programme date.

REGISTRATION

- Upon Faxing / Email the completed Registration Form to FMM Kedah/Perlis, you are deemed to have read and accepted the terms and conditions. The course would also be deemed as confirmed unless informed otherwise.
- Will be based on First-Come-First-Served basis.

CANCELLATION & REFUND

- Cancellation must be made in writing
- No charges for cancellation of 7 days prior to the programme
- 50% refund for cancellation between 3-6 days
- Registered participants who do not turn up will be charged accordingly
- No additional cost for replacement