



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

NOVEMBER 18, 2026 (Wednesday)

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

This one-day programme designed for quality inspectors, QA/QC executives, process auditors, lab technicians and quality engineers to master AI prompting for faster documentation, smarter defect analysis, and stronger audit preparation. Using the RCFC Prompting Framework, participants will learn to draft 8D/CAPA reports, conduct root cause analysis with 5 Why and Fishbone, summarise defect data into actionable insights, and prepare ISO-aligned audit checklists. Blending demos, labs, and simulations, the workshop ensures participants leave with a personalised prompt library and the confidence to apply AI responsibly in daily quality operations.

OBJECTIVES

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

- **Generate inspection records** using AI prompts to capture findings consistently and reduce manual effort.
- **Draft 8D and CAPA reports** from complaint details and investigation notes with structured, reusable templates.
- **Facilitate root cause analysis** by applying AI to 5 Why and Fishbone methods for faster problem resolution.
- **Summarise defect data** into Pareto insights to support management reviews and continuous improvement.
- **Prepare audit materials** including ISO 9001 question lists, gap summaries, and compliance documentation.
- **Restructure technical documents** such as SOPs, inspection checklists, and lab reports for clarity and consistency.
- **Apply responsible AI practices** to safeguard sensitive production and defect data.
- **Build a prompt library** tailored to quality operations for ongoing efficiency gains.

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 Quality – How generative AI supports inspection records, defect reporting, and audit preparation; risks of hallucination and data confidentiality.
10:30 - 10:45	Tea Break
10:45 – 12:30	Module 2: RCFC Prompting Framework – Crafting strong prompts for 8D/CAPA reports, inspection summaries, and bilingual documentation; AI-assisted 5 Why and defect data tables.
12:30 - 13:30	Lunch
13:30-15:30	Module 3: Quality Prompt Labs – Hands-on labs drafting 8D reports, facilitating Fishbone analysis, summarising defect data into Pareto insights, and preparing ISO 9001 audit checklists.
15:30 - 15:45	Afternoon Break
15:15 - 16:30	Module 4: Case Simulation – Machine breakdown scenario: containment, root cause analysis, and process change using AI-prompted documentation.
16:30- 17:00	Module 5: Prompt Library & Wrap-up – Build a reusable quality prompt library, share RCFC templates, post-assessment, and evaluation.

TARGET GROUP

Quality Inspectors, QA/QC Executives, Process Auditors, Lab Technicians and Quality Engineers

METHODOLOGY

- Lecture & live demonstration (25%)
- Hands-on prompt labs using quality scenarios (50%)
- Case study & simulation (15%)
- Group presentation & discussion (10%)

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 18, 2026 TUESDAY) @ SWISS AVENUE HOTEL, SG PETANI

REGISTRATION FORM

CLOSING DATE:
NOVEMBER 4, 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 18, 2026 (Wednesday)**
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