ADVANCED TRUCK MECHANIC COURSE

MODULE TITLE:
Advanced Truck Mechanic Course

INTRODUCTION:
This training enhances mechanics' ability to accurately diagnose vehicle issues using advanced diagnostic tools.

OBJECTIVE OF THE TRAINING:
To equip participants with the skills and knowledge to operate diagnostic tools effectively and identify actual vehicle malfunctions.

METHODOLOGY:
Interactive lectures
Hands-on practical sessions
Group discussions and case studies

TARGET GROUP:
- Experienced Truck Mechanics
- Fleet maintenance personnel
- Workshop supervisors
- Maximum 25 Participants per session.

COURSE INSTRUCTOR:
- Muhammad Khalis bin Misral
- Dinie Nadzmie bin Abdul Rahman (Faci 1)
- Syahmie Ruzainie bin Abd Rahman (Faci 2)

DURATION:
- 1 day (typically 8 hours, including breaks)

TRAINING AID:
Multimedia presentations
Diagnostic scanner tools (OBD-II and OEM tools)
Faulty vehicle components and vehicles for practice
Training handouts

MEDIUM:
The discussion/ presentation will be conducted in English and/or Bahasa Malaysia. However, it can be executed in a dual language option.

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Time	Technical manuals and datasheets
0830	**Registration and Introduction** - Scan QR and answer pre-assessment - Welcome and housekeeping - Overview of training objectives and agenda
0900	**Overview of Vehicle Diagnostic Systems** - Introduction to modern vehicle electronics - Importance of accurate diagnostics - Common vehicle systems (engine, transmission, ABS, etc.)
1000	Morning Tea Break
1015	**Types of Diagnostic Tools and Their Functions** - OBD-II tools vs OEM-specific tools - Live data streaming - Reading & clearing DTCs (Diagnostic Trouble Codes) - Using scan tools for system tests
1200	Lunch Break
1300	**Practical Session: Hands-On Diagnostics** - Connecting and navigating diagnostic tools - Case study: Diagnosing engine issues - Identifying sensor malfunctions
1430	**Interpreting Diagnostic Data and Test Results** - Understanding freeze frame and live data - Misdiagnosis case examples & prevention
1500	Tea Break
1515	**Case Simulation & Group Exercise** - Team-based fault-finding on sample vehicles - Discussion of findings and solutions
1630	**Summary, Q&A, and Evaluation** - Review key learning points - Participant feedback - Closing remarks
1700	End of Program