



Ts MUHAMMAD HAMKA BIN EMBONG
Vocational Training Officer
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Academic Qualification

1. Bachelor's Degree In Electrical Engineering. Universiti Teknologi Malaysia.
2. Diploma In Mechatronics, Politeknik Kota Bharu, Kelantan.

Brief Profile

Currently Ts Haji Muhammad Hamka Bin Haji Embong is working as a Vocational Training Officer at the Center for Advanced TVET, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), Malaysia. He graduated from Universiti Teknologi Malaysia (UTM) with B. Eng (Electrical). He was work as an Asst Superintendent (Electrical & Instrumentation) at Direct Reduction Plant, Perwaja Steel Sdn. Bhd for 5 years. His major training area are Programmable Logic Controller, AutoCAD, Electrical Installation, Instrumentation, Process Control and Automation System. He is also very talented in creative writing and has written 15 books in various genres.

Professional Qualification / Membership / Affiliation / Certification

1. Professional Technologies, Malaysia Board of Technologies (MBOT), PT25020004
2. Process Instrumentations & Calibration Hands-On Training- Delta Skills Solution
3. Basic Occupational First Aid-NIOSH
4. AutoCAD 2008 Intermediate-AUTODESK

Area of Interests / Expert

1. Technical Drawing-AutoCAD.
2. Programmable Logic Control.
3. Electrical Installation.
4. Process Control and Automation System
5. Creative Writing.

Project Consultancy

1. Mating Based Manta Ray Foraging Optimization Algorithm For Modelling And Control Of A 2-Wheel System RDU243009 -(Member)
2. Development Of An Effective Overall Equipment Effectiveness (OEE) Training System PDU243201-(Member)
3. The Development Of Data-Driven Piece-Wise Affine Pid Controller For MIMO System RDU1803137-(Member)
4. Development Of Improved Metaheuristic Algorithms For Modelling And Control Of A Flexible Manipulator System. RDU1603138-(Member)

5. Design And Implementation Of Industrial Tank's Temperature Control System Using Intelligent Technique RDU090336-(Member)
6. Internet Based Approach For Teaching & Learning-STEM 2023-Leader