



**NASRUL BIN SALIM PAKHERI**  
Senior Vocational Training Officer  
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### Academic Qualification

1. Bachelor of Engineering, Electrical Engineering (Instrumentation), 2003
2. Master of Engineering, Electrical Engineering (Mechatronics & Automation Control), 2011

### Brief Profile

Nasrul B. Salim Pakheri received his diploma in Electrical Engineering (Power) from the Universiti Teknologi Malaysia in 1999 and the B.Eng Electrical (Instrumentation) from the Universiti Teknologi Mara in 2003, respectively, and the Master of Engineering (Electrical-Mechatronics & Automation Control) from the Universiti Teknologi Malaysia in 2011. After working in industrial in 3 years, he was joined the Faculty of Electrical & Electronics Engineering, KUKTEM in 2006 as a Vocational Training Officer. His research interests are including System Identification, Neural Network and sensor development. He is registered as a graduated engineer under the Board of Engineer Malaysia (BEM) and Institution of Engineer Malaysia (IEM) for Professional Engineering Board.

### Professional Qualification / Membership / Affiliation / Certification

1. Graduated Members of Board of Engineer Malaysia
2. Graduated Technologist, Malaysia Board of Technologist

### Area of Interests / Expert

1. Logic Programming (PLC) and Embedded controller
2. Robotics, Instrumentation and Control

### Project Consultancy

1. Spiral -Based Adaptive Sine-Cosine Algorithm to Optimize Type-2 Fuzzy Logic Controller for a Twin Rotor System.
2. Body Earthing Effect on Human Stress and Evaluated with Electroencephalogram (EEG) Signals.
3. Development of Undersea/Water Unmanned Crawler System with Adjustable Hexapod-Quarupped Configuration for Bottom Operation.
4. The Development of Digital Controller in Rotary Motion System.
5. Experimental Investigations of Command Shaping Technique for Anti-Sway Control of Double Pendulum Gantry Crane System.
6. Advancement Research of The Inverted Pendulum Concept Applying to the Robot as a Balancer.
7. Non-Destructive Test of Pineapple Maturity Using Vision System.