

# MUHAMMAD AZRI BIN AZMI

## Work Experience

### JM Automation Solution Sdn Bhd

Assist Engineer | Oct 2022 - Dec 2022

- Responsible for design the controller to monitor the states of the machine using Long Range Communication (LoRa).
- Design a printed circuit board (PCB) for the Transmitter and Receiver for the controller
- Responsible to carry out the testing range for the transmitter and receiver to receive packet/signal

### Melaka Wonderland Theme park & Resort (Internship)

Maintenance & Recreation | Aug 2021 - Nov 2021

- Maintain the electrical and mechanical part
- Learning to maintain the big motor pump and the quality of pool water.

## Expertise Skill

- Microsoft Software
- AutoCAD & Design
- Electrical Wiring
- CX-Programmer (OMRON PLC)
- C++
- MATLAB
- EasyEDA

## Personal Skill

- Communication
- Creativity
- Team Management
- Social
- Quick Learner

## Education

### 2018-2022

Universiti Teknikal Malaysia Melaka  
Bachelor Of Mechatronic Engineering (Hons)  
CGPA : 3.46

### 2017-2018

Melaka Matriculation College  
Science Major  
CGPA : 3.97

### 2012-2016

SMK Bandar Damai Perdana  
SPM : 4A+, 2A, 2A-, 1B

## Leadership & Curriculum Activity

- Participate in 'International Undergraduate Poster Competition (IUPC 2022)' in UTM
- Vice President 2 Student Association Faculty of Electrical Engineering, 2019/2020 UTeM
- Participate as a volunteer in 'Breaking the Boundaries' programme 2019 (UTeM).
- Participate as a volunteer in 'Karnival Falak Peringkat Negeri Melaka 2019'.
- Participate in 'Konvensyen My Brighter Future 2019' by Yayasan Tenaga Nasional.
- Participate in 'Sukan Antara Fakulti 2019' in E-sport.
- Multimedia exco Student Association Faculty of Electrical Engineering, 2018/2019 UTeM
- Participate in Programming Logic Control (PLC) Training Course for Level 1 & 2 by OMRON Electronics
- Scholarship holder under Yayasan Tenaga Nasional (YTN)

## Project Experience

### Final Year Project

Analysis On Energy Efficiency for 5G (2022)

- Analyze the energy efficiency for 5G mm-Wave Base Station
- Modelling system model based on Particle Optimization (PSO) using MATLAB software
- Compete and won 5-star Award in International Undergraduate Poster Competition (IUPC 2022)

## Integrated Design Project

Development of Low Cost Outer Inspection Pipe Crawler (2021)

- A robot that being build for outer pipe inspection to detect leakage on the pipe
- Design the whole system using AutoCAD
- Bronze Award In IDP Online Competition



*Bachelor in Mechatronic Engineering (Hons)*

## About Me

In search of new experiences in other cultural groups in order to foster mutual understanding and friendship among nations. Can be characterized as a hardworking individual who is easy to pick up new information. Someone who believes that without passion, little can be accomplished.

## Contact Me

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## Language

Bahasa Malaysia  
English



## Reference

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