

MUHAMMAD AIMAN BIN FAIROS AZMAN

Mechanical Engineering Graduate

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SUMMARY

Mechanical Engineering graduate passionate about ACMV industries and Project Management. Highly-capable leader, creative and multitalented worker. Proficient in a range of modern technologies including ANSYS, MSC Patran/Nastran and AutoCAD and can work independently with minimal guidance. Ready and love to learn new things and motivated for the next stage in build up my career.

EDUCATION

Universiti Teknologi MARA

Bachelor of Engineering (HONS) Mechanical

Shah Alam, Selangor

September 2018 – August 2021

- CGPA: 3.41, Dean's List for 2 Semester out of 6 Semester
- Sponsorship: Yayasan Bank Rakyat

Universiti Teknologi MARA

Diploma in Mechanical Engineering

Permatang Pauh, Pulau Pinang

June 2015 – May 2018

- CGPA: 3.50, Dean's List for 4 Semester out of 6 Semester
- Sponsorship: Perbadanan Tabung Pendidikan Tinggi Nasional (PTPTN)

WORK EXPERIENCE

PanaGlobe Sdn. Bhd.

Site Engineer (M&E)

Alor Setar, Kedah

August 2022 – Present

- Ensuring sub-contractor workers are working in accordance to correct drawing, correct method and sequence conforms to specification.
- Ensuring all sub-contractors of different trade are well coordinated to work in sequence to avoid double handling and damages.
- Ensuring all material delivered to site conforms to quality and quantity ordered.
- Planning for material stockpile area, store and fabrication yard and ensuring proper housekeeping of site.
- Ensuring work carried out in accordance to work program; reporting to site agent if program cannot be achieved or needs to be revised due to changes of sequence, phasing or delays.

Teras MegaMaju Sdn. Bhd.

Site Engineer

Alor Setar, Kedah

November 2021 – July 2022

- Coordinate with contractor, consultant, and client on technical matters to ensure smooth implementation of the project.
- Monitor site progress to ensure project deliver within the timeline.
- Ensuring the material quantity ordered according to the bill of quantities provided and also the quality conforms with the standard.
- Ensuring the installation works accordance to the correct drawing, correct method and sequence.
- Documenting monthly progress report, request for work inspection (RFWI) and submitting claim to the main contractor
- Site visit for checking the appropriate method and sequence need to be carried out once the project started.

PROJECTS

Simulation of Exhaust Power Generation using Thermoelectric Generator (2021)

Final Year Project

- To simulate and calculate the exhaust flow and the thermoelectric generator performance.
- To validate the CFD model using existing data from a previous study.
- **Finding:** The exhaust flow velocity or Reynolds number significantly affects the thermoelectric generator performance

Chicken Rotisserie (2020)

Mechanical Engineering Design

- Being assigned under department of rod chicken which is a crucial department in fabricating the rod to hold the chicken.
- Carried out mechanical design drawings, analyses, and calculations in accordance with structure project specifications.
- Responsible to come out the financial details of the department.
- Developed contingency plan to overcome any problems and limitations.

EXTRA CURRICULAR

- Gold Medalist for Petanque Men Singles Event, HESF (2018)
- Gold Medalist for Petanque Men Singles Event, KARiSMA UiTM XXVI (2019)
- Gold Medalist for Petanque Men Singles Event, KARiSMA UiTM XXIV (2017)
- Silver Medalist for Petanque Team Event, KARiSMA UiTM XXVI (2019)
- Silver Medalist for Petanque Men Singles Event, HESF (2019)
- Silver Medalist for Petanque Men Singles Event, KARiSMA UiTM XXV (2018)
- Silver Medalist for Petanque Men Doubles Event, Higher Education Institute Tournament (2016)
- Bronze Medalist for Petanque Men Triples Event, SUKAN MALAYSIA XVIII (2016)
- Bronze Medalist for Petanque Men Team Event, SUKAN MALAYSIA XVII (2014)
- Bronze Medalist for Petanque Men Singles Event, SUKiPT (2018)
- Bronze Medalist for Petanque Men Doubles Event, Higher Education Institute Tournament (2017)
- Bronze Medalist for Petanque Men Doubles Event, KARiSMA UiTM XXIII (2016)

TRAINING AND CERTIFICATE

- Safety Induction Course for Construction Workers under CIDB
- Registered as Graduate Engineer under Board of Engineers Malaysia (BEM) (G1210660A)
- Registered as Graduate Technologist under Malaysia Board of Technologist (MBOT) (GT22060630)

SKILLS

- **Major courses:** Computational Fluid Dynamics, Model Testing and Analysis, HVAC systems and Project Management
- **Technical:** AutoCAD, SolidWorks, Microsoft Office, Microsoft Project, CATIA, MATLAB, MSC Patran/Nastran and ANSYS.
- **Language:** Native in Malay and Bilingual Proficiency English.

REFERENCES

1. **Hoe Kok Khiang**
Project Director
PanaGlobe Sdn. Bhd.
012 – 212 1929

2. **Muhammad Izzul Fikri bin Azizi**
Site Engineer
PanaGlobe Sdn. Bhd.
011 – 3747 6127