



NURUL AIN IZZATI BINTI ZULKIFLI

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An Aerospace Engineering graduate who aims to seek full-time position as an engineer or related position that can help me give my absolute best. With some expertise from previous internships and project, I am looking to gain a position in the industry to utilize my abilities and skills in ensuring efficiency.

EDUCATION

Universiti Putra Malaysia (UPM), Selangor, Malaysia

(Sept 2018 - Aug 2022)

Bachelor of Aerospace Engineering with Honors
CGPA: 3.347

Kolej Matrikulasi Negeri Sembilan (KMNS), Kuala Pilah, Negeri Sembilan

(June 2017 – May 2018)

Foundation in Science (Module 1)
CGPA: 3.79

Malaysia University English Test (MUET): Band 4

Sekolah Menengah Kebangsaan Seri Gombak, Selangor

(Jan 2012 – Dec 2016)

Secondary School – Science Stream
Sijil Pelajaran Malaysia (SPM): 5A 2B

WORK EXPERIENCE

FAAS Engineering & Consultancy Sdn. Bhd. UPM, Selangor

(Jul 2021 - Oct 2021)

Design Engineer Intern

- Designed and restructured **Aircraft Design Manual Book** consisting of various types of aircraft manual such as Airbus, Boeing, Lockheed Martin, Bell Helicopter etc.
- **Lead planner** for electrical and electronics compartments that includes electronics, wire harness, audio, functional parts, and interior layout.
- Directly involved in electrical board production of the **Personnel Intrusion Detection System (PIDS) for PASKAU**.
- **Successfully setup, launched, and maintained** PIDS for the on-site application at TUDM Jugra.

Shoes Store, Mydin Mall Kuala Terengganu, Terengganu

(Dec 2016 - Mar 2017)

Sales Assistant

- Initiated and planned the **whole setup for sales displays**.
 - Developed a **strong understanding of how effectively implement strong client relationships** as well as ensuring exceptional services provided.
 - Boosted personal characteristics skills as dealing with people, improved basic literacy and numeracy, customer service skills and responsibility.
 - **Identified price discrepancies by detailed price and sales audit.**
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PROJECTS

Experimental Study of Natural Fibers as Thermal Insulator of Stirling Engine Wall for Waste Heat Recovery (2022)

Bachelor Projects

Created and proposed **the usage of biobased materials which are coir fiber and kenaf fiber as thermal insulator** for Stirling engine wall. Discovered the correlations between density and thermal conductivity as to select the most suitable material to be used as thermal insulator. Investigated the **effect of these materials to overall heat transfer coefficient and the effectiveness** of it

Integrated Design Project – Hybrid UAV Development (2022)

Performed thorough inspection of the requirement needed for the airship to fly and **conducted test on motor performance**. Managed and coordinate team discussion to **determine the thrust minimum and maximum to ensure it is compatible with the motors and propeller**.

Earth Observation via Flying Laptop Satellite (2021)

Partnered projects with Institute of Space System (IRS), University of Stuttgart, Germany. Utilized the payload data and evaluated the Normalized Difference Vegetations Index (NDVI) of East Malaysia

Principle of Aircraft Structural Construction (2021)

Fostered an idea and **established an aircraft wing structure using A4 paper**. Tested the ability of the structure to resist shear and buckling, torsion and bending

Renewable Energy Device (2021)

Designed and created single-loop control system. Generated Pelton turbine design by **creating Portable Hydro Turbine that able to generate electricity via flowing water** which is convenient and easy to use

EXTRACURRICULAR INVOLVEMENT

- Participant of UNISEC Malaysia Workshop 2020 (Feb 2020)
- Participant of All-Russian Science Festival (NAUKA 0+) (Apr 2020)
- Vice President of Aerospace Student Society (AEROS) UPM (2020-2021)
- Secretary of Secretariat of Corporate Communication & Integrity (2019-2020)
- Participant of Putra-Volunteer (Jan 2019)
- Co-Facilitator for Global I-Lead Stem Camp (GISC) (Dec 2019)

ACHIEVEMENTS

- Dean list award recipient Semester 4,5 & 7 Bachelor of Aerospace Engineering UPM (2020-2022)
- Active Members of AEROS UPM (2022)
- Finalist Physics Olympiad Kolej Matrikulasi Negeri Sembilan (2018)
- Protocol Executive Malam Seri Gemilang (2019)
- Finalist SUKOL UPM (Track & Field) (2019)
- Gold Medal Track & Field 100m Intercollege (2019)

SKILLS

Software	: Microsoft Office Application, Adobe Premier Pro, Adobe Spark, Catia, MATLAB, Python, 3D-printer, Arduino, ANSYS, SOLIDWORK, Abaqus, Canva, Filmora
Language	: Bahasa Melayu (Native), English (Intermediate)

REFERENCES

Dr. Syamimi Saadon,

Academic Advisor,

Engineering Faculty, UPM

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