

# DANIA IRDINA AKMAL BINTI AKMAL

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## EDUCATION HIGHLIGHTS

**Bachelor of Aerospace Engineering with Honour, Universiti Putra Malaysia (UPM), Malaysia**

Sept 2018 – Sept 2022 | Grade: Second Upper Class Honours

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## PROFESSIONAL EXPERIENCE

**Supplier Management Intern, CTRM Aero Composites SDN BHD, Jul 2021 – Oct 2021**

- Create supplier scouting database by listing all existing and potential new supplier based on their services and certification.
- Involve in Rationalization and Consolidation (R&C) for required specifications based on part number from Bill of Material (BOM).

**Shaklee Corporation (Distributor) 2020 – Present**

- Organise the storage and distribution of goods

**Econsave Sdn. Bhd. (Cashier) 2021**

- Manage to assist customers in the in-store check-out process.

**VIP Ambassador Defence Services Asia (DSA) 2022**

- Accompany Thailand's Chief of Navy throughout their visit to DSA 2022 by acting as a communication channel, coordinate route and preparing their schedule.

**Sales Assistant Herbalife, Hernan Food, Sequoche 2022**

- Plan and works on the sales, assisting consumers, promoting, and selling products.
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## PROJECTS

**ISO 2685 Fire Testing on Flat and Curved Surface of Aluminium Alloy 2024 T3 Coated with Different Type of Aerogel (2022)**

Bachelor Projects

- Conduct ISO 2685 standard fire test on flat and curved surface of Aluminium Alloy 2024-T3 coated with different types aerogel to find the optimum thickness to be fireproof.

**Integrated Design Project – Hybrid UAV Development (2022)**

- Analyzed the requirements for flying the airship, focusing on propulsion and power, using RC Benchmark software to run motor performance tests.

**Simulation of Covid 19 Particle in The Lung - Virus Loading**

- Investigate the effect of the particle Covid-19 when the virus was delivered into the lungs was studied by using simulation on Ansys software. (2022)

**Earth Observation via Flying Laptop Satellite (2021)**

- Observe and analysis data of NDVI values based on raw images obtained by satellite in selected area, partnered projects with Institute of Space System (IRS), University of Stuttgart, Germany.

**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. (2021)

**Portable Hydro Turbine**

- Produce portable renewable energy devices that can be used in the place where no power supply is available with an environmental (2021)
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## LANGUAGES, SKILLS, AND INTERESTS

Languages Malay (Native), English (Intermediate), Korea (Beginner)

Skills Microsoft Office (Word, Excel, Powerpoint) Adobe Premier Pro, Adobe Spark, Catia V5, MATLAB, Python, GasTurb, Arduino, ANSYS, SOLIDWORK, Abaqus, Canva