



MOHAMMAD AMIRUL QAYYUM BIN ROSLAN

amirul031297@gmail.com | +601116119797 | Duyung, Melaka, Malaysia

BACKGROUND

I highly achieving professional using knowledge of specification review and model creation in Aerospace Engineering. I finish my study at my University in July 2022. I am interest and passionate in aircraft and rocketry industry. Since, I'm doing my final year project about regression rate of hybrid rocket motors. I am always up to new and exciting challenges and love to learn. I also want to learn about other aerospace-related fields. I am excellent in sportsmanship and leadership. I strongly feel that by applying in this program would provide me with the best experience and skill for my career and future.

EDUCATION

BACHELOR OF ENGINEERING CGPA:2.90 (AEROSPACE) (HONOURS)

International Islamic University Malaysia (IIUM)
2017-2022

FOUNDATION CGPA:2.74 (ENGINEERING AND COMPUTER SCIENCE)

Centre for Foundation, Studies International Islamic University Malaysia (CFSIIUM)
2015 -2017

PERSONAL PROJECTS AND EXTRACURRICULARS

Hybrid Rocket Motor (2022)

- Work as a group to setup the lab-scale hybrid rocket motors. Doing my final year project to observe the effect of multiport in hybrid rocket motors performance.

Ansys Analysis (2022)

- Project about the structural static analysis, to identify the maximum stress and the behavior of the structure.

Xfoil, Xflr5 and Glider (2020)

- This project is done in groups of two-person each to perform an analysis of an airfoil of our choice using the Xflr5 or Xfoil. This airfoil will be used to make a glider.

SRC Election (2018)

- Participated in the election for badminton

TECHNICAL SKILLS

Matlab, Ansys, SOLIDWORKS, Microsoft Office, Microsoft Words, Microsoft Excel , C, C++, Xfoil, Xflr5, AGI STK

LANGUAGES

Malay: Fluent

English: Intermediate

WORK EXPERIENCES

Technical Service Engineer (PROTÉGÉ)

Galaxy Aerospace (M) SDN. BHD.

(AUG 2022 – PRESENT)

Aircraft Maintenance Program (AMP)

- Assist the technical service engineer to develop the AMP by extracting the information from the aircraft maintenance manual chapter 4 and 5 and the engine maintenance manual.

Technical Instruction Compliance (TIC)

- Assist do the evaluation and sentencing of the AD, SB and any other technical publications by technical service for the aircraft contracted to CAMO. The TIC supporting documents such as log card, worksheet, equipment lists, etc., shall be attached to the TIC for evidence and reference.

Aircraft Reliability Program

- Collect the reliability data every month and the results collected are published in a reliability report which includes trend analysis. The reliability report is produced on monthly, quarterly, and annually basis. This is, to ensure that the aircraft maintenance program tasks are effective, and their intervals are acceptable. The reliability program also includes the engine monitoring where the data of the Internal Turbine Temperature (ITT) and Gas Generator Speed (NG) wear monitor to ensure the engine is in good condition.

Technical Note (TN)

- Assist in Technical Queries (TQ). TN is used to address TQ that requires an extensive investigation by the technical services department.

Weighing Activity

- Assist the weighing engineer perform the weighing activity to find out what is the aircraft basic empty weight and know how much an aircraft weighs. From the weighing activity, assist to develop the weight and balance report for the aircraft. The report includes the arrangement of the standard aircraft seat, allocates the center of gravity (CG), the point at which the total weight of the aircraft is assumed to be concentrated, and the CG must be located within specific limits for safe flight.

Design Technical Log

- Develop and design the technical log as per request by license aircraft maintenance (LAE).

Ground Handler (Intern)

ATAS Aeronautik Sdn Bhd

(JUL 2019 – OCT 2019)

- Learn about the illustrated part catalogue to identifying parts and recognise illustrating assembly relationships. Learn how to read the aircraft maintenance manual and engine manual. Consumable item such as engine oil need to have the certificate of compliance (COC) as proof that the item is set in standard or in required specs and COC is issued by the manufacturer with a specimen signature of authorized personnel.
- Assist LAE perform the maintenance and assembly the new Diamond 40 aircraft. Perform the engine ground run every once a week to check the condition of the engine aircraft, do the brake bleeding by opening the pedal in the cockpit of the aircraft to check the hydraulic brake system.
- Do the post and pre-flight inspection. Such as, physically checking the airframe and fuel contamination of the aircraft.
- Maintain the Diamond 40 and 42 aircraft airframes. Clean the aircraft airframe and do the physical inspect every twice a week on to make sure there's no defect on the aircraft.