

Muhd Adam Fahim

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Education

- Universiti Teknologi Malaysia (UTM) – CGPA: 3.75** (2021)
Bachelor of Mechanical Engineering
Dean's Award with First-Class Honours
- Kolej Matrikulasi Melaka** (2017)
Science Course (Modul 1)
- Maktab Rendah Sains Mara Tun Ghafar Baba** (2015)
Sijil Pelajaran Malaysia (SPM)

Work Experience

- Plus Star Sdn Bhd** (November 2021-Present)
Mechanical Engineer (PROTÉGÉ)
 - Perform routine maintenance on pump assembly and replaced impeller, shaft, and installed the cutterhead.
 - Conduct regular preventive maintenance and repairs of centrifugal pumps by replacing gaskets, mechanical seals and performed non-destructive tests including laser alignment.
 - Ensure zero downtime as all the machineries are well maintained and follow the safety guidelines.
 - Manage to implement and ensuring all work are within the guideline of ISO 9001:2015.
 - Supervise and ensured that all the manufacturing processes from receiving raw materials to delivering finished goods products conform to the government regulatory, HACCP & GHP Standards.

Achievements

- Successfully designed and fabricated a frame to support the suction part of an autoloader to ensure correct amount of material gets into extruder.
- Reduced the 25% cost of production by installing detection sensor system to help monitor the material requirement level inside hopper.

- Juara Sdn Bhd** (March 2021- July 2021) (5 months)

Mechanical and Maintenance Intern

- Analysed the model performance of the neural network and then compared the results obtained with Response Surface Methodology.
- Monitored spare parts and prepared an inventory in and out form which helps to lower the cost and speed up the fulfillment of inventory.
- Conducted various laboratory experiments such as Tensile test, Powder Level test, Corrosion test, Titration.
- Designed the manual transmission components, such as gears, shafts, and bearings, using the machine design equation.
- Performed inspections of purchased materials, parts, subassemblies, or finished projects according to well-defined standards using physical, sample, measurements, and other customer specifications.

Achievements

- Successfully improved the Standard Operating Procedure (SOP) for reporting issue which reduced the risk of miscommunication and failure to comply with user's requirement.
- Discovered some minor calculation errors for the fuel consumption rate of the ship in previous paperwork, which helped to reduce data inaccuracy after correction.

Core Competencies

Computer Skills

- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint

Engineering

- Matlab
- AutoCAD
- Solidworks

Project Management

- Planning
- Budgeting
- Data Analytics

Highlighted Projects

- 1) Pre-Leaching Tank Sludge Filtration System (2020)**
 - a) Compared and proposed the best filtration system that can reduce water changing frequency and sludge accumulation, estimated to save around RM2,000 per month.
- 2) Glove Experiment Improvement (2019)**
 - a) Proposed on using a new type of glove beading roller for a longer lifespan and reduce the production of lower quality gloves that can save about RM1,400 per month.
- 3) Exploration and Engineering Project (2018)**
 - a) Directed the group in evaluating and proposing exploration prospects including technical and commercial evaluation of a block consisting of two wells.

Achievements

Academic and Co-curricular Awards

- a) Dean's List Award for 7 Semester (2020)
- b) Final Year Project (Gold Award), (Best Presenter) and (Best Presentation Deck) (2020)
- c) Mechanical Engineering Design Project - (Best Performer) (2019)
- d) First place Roller Coaster prototype for Einstein Brains Competition for Math and Science Week (2019)
- e) Runner-up Business Competition Innovation UTM (2018)

Leaderships

- 1) SEAN Student Forum, Assistant Head of Collaboration and Sponsorship (2020)**
 - a) Negotiated with various prestigious funders, start-up company, GLC and MNC companies succeeding sponsorships amounting to RM70,500.
 - b) Prepared proposal, generated quality leads and collaborated with the various shareholder.
- 2) Engineering Business Talk, Committee of Marketing (2019)**
 - a) Successfully achieved highest personal record among the team members in obtaining sales with total amount of RM8,500.00.
 - b) Managed social media marketing campaign and designed banner, bunting, and brochure to get leads.
- 3) Kolej Kasturi Representative Committee, Vice President (2018)**
 - a) Structured the college's student development program and taking command of the establishment of 4 action councils with various tasks to support the 30-member committee.
 - b) Successfully organized more than 8 various events in 2 years and empowering more than 500 students.

Special Certificates & Courses

Certificates

- a) BEM Certificate of Registration of Graduate Engineer
- b) NIOSH Authorised Gas Tester and Entry Supervisor for Confined Space (AGTES)
- c) NIOSH Authorised Entrant and Standby Person for Confined Space (AESP)
- d) CIDB Safety Induction Construction Workers (SICW)
- e) UTM Professional Certificate ISO 9001:2015