

# TENGKU MOHAMAD AMIRUL BIN TG. ALI

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LOT 404 Kampung Telaga Lanas, Pengkalan Kubor 16080, Tumpat, Kelantan.

Sponsorship: Mara Eduloan | Availability: May 2018 onward | Expected salary: RM2800



## OBJECTIVE

To obtain a position that will enable me to use my strong organizational skills and technical skills especially in the fields of mechanical engineering and ability to work well with people

## SKILLS & CAPABILITIES



## INTERNSHIP EXPOSURE

### TRAINEE ENGINEER AT PETRONAS PENAPISAN MELAKA SDN BHD, PP(M)SB ( JANUARY-AUGUST 2017)

- Assigned in Production Department in Area Maintenance Team 3
- Hands on work in the plant such as pump, air fin cooler (AFC), heat exchanger, strainer cleaning, valve, column.
- Gained experience as production engineer in maintenance to enhance technical skills and knowledge
- Involved in several important meetings and plant shutdown period
- Work on project entitled "*Integrity of the Column Tower After Shutdown*"

## EDUCATION



### Universiti Teknologi PETRONAS FOUNDATION IN ENGINEERING

GPA: 3.44 | CGPA: 3.35

### BACHELOR OF ENGINEERING (HONS) MECHANICAL

GPA: 3.51 | CGPA: 3.23



### Sek Men Sains Kuala Terengganu Sijil Pelajaran Malaysia (SPM) 2012

Result: 7A 2B

## PROJECT EXPERIENCE

TITLE	DESCRIPTION
Portable Toothbrush Dispenser	Responsible to design and display 3D engineering drawing model by using AutoCAD software.
Design Integrity Operating Window (IOW)	Responsible to design an IOW system for testing underwater facilities such as pipeline, separator, water tank, wave generator and safety system.
Boiler Tube	Design a simple boiler tube by doing comparison between in-line and staggered arrangement and choose the best arrangement.
Windshield Wiper	Responsible to design a wiper mechanism that consists of crank rocker of rotational motion by using a simulation in MSC-ADAMS.
Mechanical Properties of POLYMER	Determine the suitable testing by doing a research for finding the specific name of specimen given.
Design a process flow (WATER TREATMENT)	Responsible as a Process Engineer (Leader) for water treatment process in producing clean water for discharge and reinjection to the reservoir.
Integrity of the Column Tower After Shutdown	Responsible in calculating the corrosion rate and remaining life of the respective column tower after shutdown period and make a comparison with the current data.

## PRE-INTERNSHIP EXPOSURE

UNIVERSITI TEKNOLOGI PETRONAS ( JANUARY-APRIL 2016)

Special Services: Project titled "**DEVELOPMENT OF INTELLIGENT PIPELINE INSPECTION GAUGE (I-PIG) PROTOTYPE FOR DEEPWATER PIPELINES**".

Scope of work: I-PIG Test rig design & construction

Software: CATIA V5R18

## Final Year Project (FYP)

Title: Effect of Nitriding Time and Nitriding Temperature on Magnesium Alloy, Mg AZ91D

### Scopes of Work

- Analyze the hardness test before and after nitride process
- Metallographic test before and after nitride process

## ENGINEERING TEAM PROJECT (ETP)

- Design a portable water filter where can ease the traveller to get a clean water
- Filtration elements are needed to covert dirty water to clean water

## AWARDS & ACHIEVEMENTS

- Dean's List Award for September 2017 Semester
- English Language Course at INTERMEDIATE LEVEL Pass with **DISTINCTION**.
- President Award of RCSU 2015/2016.
- Best Photographer Award of ROAR 2016

## EXTRACURRICULAR INVOLVEMENTS



### RESIDENTIAL COLLEGE SUPPORT UNIT (RCSU) (2013-2016)

Student body that specializes for managing the residential area issues and provide services throughout hostels. As being assigned in E&E department, I'm the one who **responsible to plan and distribute** the task to the members and make sure that everything are going smoothly. Besides that, I'm **responsible in generating** the money for my club.

#### Position:

2013/2014: Member of Economy and Enterpreneuship Department

2014/2015: Member of Economy and Enterpreneuship Department

2015/2016: Head of Department for Economy and Enterpreneuship Department



### MINGGU ALUAN SISWA (July 2015 & March 2016)

Orientation week for new students of UTP where they can adapt and learn on the culture and system in UTP throughout their studies. As HOD in Accommodation, I'm the one who **responsible** to make sure all the hostel rooms are in a good condition before registration day.

As HOD in Sports & Games, I'm the one who **responsible to arrange** activities to the new students to build up their bonding.

#### Position:

July 2015: Head of Department in Accomodation Department

March 2016: Head of Department in Sports and Games Department



### MAHASISWA PRIHATIN FOR YOU (MP4U) 2017

Volunteerism based project that aim to help and support homeless and needy people in Ipoh. I'm **responsible who search** for the Ngo to collaborate with this event and **responsible** to make sure everything is perfect.

**Position:** Project Manager



### Dota 2 UTP Championship 2016

DOTA 2 UTP CHAMPIONSHIP is one of the annual event that will be held in UTP where the main objective of this event is to build a friendship among the utp students and outsiders that join this game competition and I'm **preparing** an advisor and project manager speech, **person in charge for gimmick** during the closing ceremony and **lead** the committees about the flow of the event.

**Position:** Assistant Head of Department in Ceremony and Protocol Department



### RESIDENTIAL COLLEGE MESRA OUTREACH (RECMO) 2015

RECMO is an annual charity program that organised by RCSU to expose the students towards practical social interactions with the community outside the campus. As HOD in Sports & Games, I'm the one who responsible **to arrange activities** to the villagers to attract them to join our program and build up the bonding among the students and villagers.

**Position:** Head of Department in Activities and Events



### INTERNATIONAL TWINNING COLLEGE (ITWC) 2014

(Vietnam National University, Ho Chi Minh)

ITWC is an annual programme by RCSU with the purpose of establishing a bond with student bodies from different universities or any learning institutions around the world and I'm the one who **responsible in searching the funding** for the program in Vietnam.

**Position:** Committee of Scholarship Department

## VOLUNTEERISM

#### 1. MAS MARCH 2016 Engagement with Kg Bali & Kg Tronoh

Position: LEADER (Organised one Charity Event to new students dealing with villagers near UTP)

#### 2. Down-To-Earth: Iftar with Nurul Iman Orphanage Kamunting, Taiping

Position: Committee of Transportation (Responsible in booking the transportation during event)

## SPORTS

- Participate in **GO NATURE CAMPAIGN MARATHON (21KM)** that organised by UTP GGM 2017
- Participate in **UTP Closed 10 Pin Bowling Tournament 2015**
- Participate in **Volleyball Tournament** Organised by Village 1 UTP 2014

## PREFERENCES

- Willing to travel & relocate
- Own a transport
- Preferred location
  - Johor
  - Pahang
  - Terengganu
  - Kuala Lumpur
  - Kedah
  - Penang

## PERSONAL REFEREES

#### MOHD FAIZAIRI BIN MOHD NOR

Lecturer,

UNIVERSITI TEKNOLOGI PETRONAS (UTP)

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#### EHSANNAWAN B. HASHIM

Manager, Assest Maintenance Team (AMT3)

PETRONAS PENAPISAN MELAKA SDN BHD, PP(M)SB

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