

MUHAMMAD LUTHFI MUSLIM BIN ABD RAZAK



Bachelor of Aerospace Engineering (Honours)

Address:

303, Jalan Kampung Alur Tempoyak
23000 Dungun
Terengganu

Contact:

Home : 09-8453953
Mobile : 0139256971
e-mail : luthfi.alfateh@gmail.com

PERSONAL INFORMATION

NRIC : 920314-14-5141 Health : Excellent
Status : Single Gender : Male
Age : 23 Languages : English and Malay

- **Willingly to relocate/travel:** Yes
- **Posses own transport:** Yes
- **Preferred Job Type:** Permanent/ full time
- **Availability:** ASAP

FINAL YEAR PROJECT

Development of Human Powered Flying Vehicle

Basically, this project is to develop a vehicle that capable to fly by using human powered and parachute as a lifting device. In this stage, the vehicle frame structure was built and analyzed. The purpose of analysis is to determine whether the frame structure will undergo success failure by comparing the result of maximum value Von Misses Stress with maximum yield strength value of the material structure.

INTERNSHIP EXPERIENCES

Stesen Janaelektrik Sultan Ismail Paka, Terengganu (SJSI Paka), TNB Generation Division.

Duration: 23 Jun 2014 to 4 September 2014

Position : Trainee (Gas Turbine Maintenance Section)

Responsibilities:

- Carry out preliminary or initial troubleshooting on the plant defect and tripping events such as oil leakage problem on auxiliaries system and water leakage problem on fin fan cooler
- Carry out maintenance works of 8x100MW Gas Turbine and Backup Diesel Engines auxiliaries
- Carry out works in maintaining, servicing, overhauling, commissioning and troubleshooting to all Turbine Block

Languages

Proficiency (0=Poor - 10=Excellent)

Language	Spoken	Written
English	7	7
Malay	10	10

EDUCATIONAL BACKGROUND

- **2011-2015: University Science Malaysia, Nibong Tebal, Pulau Pinang**
 - ❖ Bachelor of Engineering (Honours) in Aerospace Engineering
 - ❖ CGPA: 3.25
 - ❖ Final Year Project – Development of Human Powered Flying Vehicle
- **2010-2011: Kolej Matrikulasi Pulau Pinang**
 - ❖ Physical Science – CGPA: 3.94
 - ❖ Facilitator in Physic and Chemistry Course
- **2008-2009: Sekolah Menengah Teknik Dungun**
 - ❖ SPM: 5A 3B 2 C
 - ❖ Secretary of Kadet Remaja Sekolah

SKILLS

EXTRA CURRICULAR ACTIVITY

Key Skills	
(Proficiency: Advanced - Highly experienced; Intermediate - Familiar with all the basic functionalities; Beginner - Just started using or learning the skill):	
Skill	Proficiency
ANSYS Parametric Design Language (APDL)	Intermediate
Catia V5	Intermediate
C++ Language	Intermediate
Matlab	Intermediate
Microsoft Office Excel	Intermediate
Microsoft Office Power point	Intermediate
Microsoft Office Word	Intermediate
Prezy	Intermediate
Solidworks	Intermediate

Extra-Curricular Activities	Year
✓ Participant in A Walk For Life 2012	2012
✓ Committees in Malam Pendekar dan Konvokeyen PSSCM IPT	2012
✓ Committees in Hari Interaksi Cekak	2012
✓ Committees in Kejohanan Ragbi USM 10's	2012
✓ Committees in Carnival Sukan Cekak	2012
✓ Committees in Hari Keluarga Cekak	2013
✓ Participant in The Freecale Cup(intelligent Car Racing 2013)	2013
✓ Participant in Colloquium Seni Silat Cekak Malaysia	2013
✓ Committees in Colloquium Seni Silat Cekak Malaysia	2015

UNIVERSITY PROJECTS

Develop a Program using C++ Language

Using C++ coding to develop the programmed that able to estimate budget for fuel with certain distance, difference type of engine size and difference type of fuel

Design a PLC Program for Controlling Pneumatic Circuit

In Mechatronic subject, using Programmable Logic Controller to control the movement of conveyor and pneumatic cylinder so that it is able to separate ping pong ball with sequence

Develop Aerodynamic and Flight Performance program by using Matlab

Using Matlab coding to develop GUI created from combination of Aerodynamic data and Flight Performance. The programmed will use Aerodynamic data to perform flight performance analysis

Creating a Conceptual Design using Catia V5 and Solidwork

Solidwork- using Solidwork software to drawing some Perodua Car component.

Catia V5- Designing the ergonomic bus seat by using Catia V5 software

Design and fabricate a glider

Applying all the theories that was learnt during Aerodynamic class to design and fabricate a glider. We were divide into small group to compete with other group. Those who have glider that able to fly further is the winner

Designing and manufacturing High Altitude balloon (HAB)

Interesting project because it involves many parties like DCA, Meteorological Department and Prof Harridon from MIAT. This project basically is to design the payload box and sent it to the stratosphere (11-48km) by using high altitude balloon which is the place that we can see the horizon.

PERSONAL REFERENCES

PE Dr A. Halim Kadarman

Senior Lecturer

School Of Aerospace

Engineering Campus

University Science Malaysia

14300 Nibong Tebal

Seberang Perai, Pulau Pinang

Contact Information:

E-mail: ahalim@usm.my

Ext: 04-5995957

Dr Norilmi Amilia Ismail

Lecturer

School Of Aerospace

Engineering Campus

University Science Malaysia

14300 Nibong Tebal

Seberang Perai, Pulau Pinang

Contact Information:

E-mail: aenorilmi@usm.my

Ext: 04-5995938

Mohd Saiful bin Baharom

Gas Turbine Engineer

(Reliability & Engineering)

Generation Division

Tenaga Nasional Berhad

Contact Information:

E-mail: saiful.baharom@tnb.com.my

H/p: 019-3790801

T/(O): 09-8313333/ 09-8271772

Ext: 3402

Muhammad Luthfi Muslim bin Abd Razak
303, Jalan Kampung Alur Tempoyak,
23000 Dungun,
Terengganu.

September 2015,

To whom it may concern

Dear Sir/Madam,

Application for Vacancies

With all my respect, I wish to apply for the above position.

I am currently complete my final year of Aerospace Engineering at University Science Malaysia (USM) and will graduate in November 2015. My present CGPA is 3.25.

I have gone through about more than three-month industrial training in power generation company, Tenaga Nasional Berhad in Stesen Janaelektrik Sultan Ismail Paka Terengganu. I have performed well during training which had helped me to expose to various practical knowledge and managerial skills.

Working for your company appeals to me because it has a great reputation and it provide excellent training. I wish to contribute with my problem solving skill and my technical skill. I believe my knowledge and technical know-how in the field of engineering will help me contribute a great deal to the team. Above all, I possess the interest and determination to perform well in the graduate position you are offering.

I would welcome the opportunity to discuss this opportunity in more depth with interview section at any time. I can be in touch on the mobile phone number and email given below. My resume will provide you with adequate information on my profile, educational background, project and working experiences, and extracurricular activities.

Thanks for your consideration and look forward to hear from you soon.

Yours sincerely,

Muhammad Luthfi Muslim Bin Abd Razak
013-9256971;
Luthfi.alfateh@gmail.com;

MAKLUMAT PELAJAR

Nama : MUHAMMAD LUTHFI MUSLIM BIN ABD RAZAK
P.Pengajian : PUSAT PENGAJIAN KEJURUTERAAN AEROANGKASA
Program : KEJURUTERAAN AEROANGKASA
Major : TIDAK BERKENAAN
Minor : TIDAK BERKENAAN
Rancian : (KEJURUTERAAN AEROANGKASA)

No. KP : 920314145141
No. Matrik : 111718
Status : BERIJAZAH
Tahun : AKHIR
Semester Masuk : 11 / 1
Penasihat Akademik : -

KEPUTUSAN PEPERIKSAAN

SEM	PNG	PNGK	PNGK-AT	TARAF AKADEMIK	TARAF PENGAJIAN	STATUS	INDEKS	UNIT KUMULATIF	UNIT T	UNIT E	UNIT M	UNIT U
111	3.36	3.36	3.47	A		AKTIF	50862	14	12	0	0	2
112	3.13	3.23	3.18	A		AKTIF	50843	34	28	0	0	6
121	3.20	3.22	3.18	A		AKTIF	50923	52	44	0	0	8
122	3.02	3.16	3.10	A		AKTIF	50907	73	61	0	0	12
131	3.29	3.18	3.14	A		AKTIF	50988	89	72	3	0	14
132	3.07	3.17	3.16	A		AKTIF	50978	107	85	6	0	16
141	3.64	3.21	3.20	A	LI	AKTIF	51051	123	98	9	0	16
142	3.57	3.25	3.26	IK		BERIJAZAH	51046	137	109	12	0	16

SENARAI KURSUS

KOD	NAMA KURSUS	UNIT	SEM	GRED	BIL. ULANG
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TERAS (Kod T) (Keperluan untuk pengijazahan 108 unit)

EEU101	PENGATURCARAAN KOMPUTER IB	2	111	B	
EMD101	LUKISAN KEJURUTERAAN	2	111	A-	
EML101	AMALAN KEJURUTERAAN	2	111	A-	
EUM113	KALKULUS KEJURUTERAAN	3	111	A-	
EBB113	BAHAN KEJURUTERAAN	3	111	B+	
EMD112	REKABENTUK KONSEP DAN CAD	2	112	B	
EMM102	STATIK	3	112	C	
EML211	MAKMAL KEJURUTERAAN I	2	112	A-	
EEU104	TEKNOLOGI ELEKTRIK	3	112	B+	
EUM114	KALKULUS KEJURUTERAAN LANJUTAN	3	112	B+	
EMH102	MEKANIK BENDALIR	3	112	B-	
EMH211	TERMODINAMIK	3	121	A	
EMM213	KEKUATAN BAHAN	3	121	B	
EPP201	TEKNOLOGI PEMBUATAN I	3	121	B	
EML222	MAKMAL KEJURUTERAAN II	2	121	A-	
ESA272	ELEMEN SUB-SISTEM KAPAL TERBANG	2	121	B+	
EMC311	MEKATRONIK	3	121	C+	
EMD223	REKABENTUK KOMPONEN MESIN	2	122	A-	
ESA251	TEORI SISTEM KAWALAN	3	122	B+	
ESA244	AERODINAMIK	2	122	B-	
EMT212	KEJURUTERAAN PENGKOMPUTERAN	3	122	B-	
ESA380	MEKANIK ORBIT	3	122	B-	
EMM222	DINAMIK DAN MEKANISMA	4	122	B-	
ESA321	STRUKTUR AEROANGKASA	3	131	A	
ESA381	ELEMEN SUBSISTEM KAPAL ANGKASA	3	131	A-	
ESA343	AERODINAMIK PESAWAT	2	131	B+	
ESA366	PRESTASI PENERBANGAN	3	131	C+	
ESA312	MAKMAL AEROANGKASA	2	132	A-	
ESA344	SISTEM DORONGAN	2	132	A-	
ESA322	DINAMIK STRUKTUR	3	132	A-	
ESA382	REKABENTUK SUBSISTEM KAPAL ANGKASA	3	132	B+	
ESA369	KESTABILAN & KAWALAN PENERBANGAN	3	132	C+	
ESA421	REKABENTUK STRUKTUR AEROANGKASA	2	141	A	
ESA394	LATIHAN INDUSTRI	5	141	P	
ESA471	REKABENTUK KAPAL TERBANG I	3	141	A-	
EUP222	JURUTERA DALAM MASYARAKAT	3	141	B+	
ESA412	PROJEK TAHUN AKHIR	6	141	TL	
ESA412	PROJEK TAHUN AKHIR	6	142	A	
ESA490	TEKNOLOGI PEMBUATAN AEROANGKASA	2	142	B	
ESA415	PENGURUSAN DAN POLISI AEROANGKASA	3	142	A-	

		Unit Kumulatif	109		
ELEKTIF (Kod E) (Keperluan untuk pengijazahan 12 unit)					
ESA323	KEJURUTERAAN AEROKOMPOSIT	3	131	B+	
ESA368	AERODINAMIK BERKELAJUAN TINGGI	3	132	C	
ESA481	REKABENTUK KAPAL ANGKASA	3	141	A-	
EME401	ANALISIS UNSUR TERHINGGA GUNAAN	3	142	B	
		Unit Kumulatif	12		
KURSUS UNIVERSITI (Kod U) (Keperluan untuk pengijazahan 15 unit)					
LKM400	BAHASA MALAYSIA IV	2	111	B-	
WCC123	SENI SILAT CEKAK MALAYSIA 1	2	111	TL	
WCC123	SENI SILAT CEKAK MALAYSIA 1	2	112	A	
WUS101	TERAS KEUSAHAWANAN	2	112	A-	
LSP300	BAHASA INGGERIS AKADEMIK	2	121	B+	
WCC223	SENI SILAT CEKAK MALAYSIA 2	2	121	TL	
WCC223	SENI SILAT CEKAK MALAYSIA 2	2	122	A	
SHE101	HUBUNGAN ETNIK	2	122	B	
LSP404	BAHASA INGGERIS TEKNIKAL DAN KEJURUTERAAN	2	131	B	
HTU223	TAMADUN ISLAM DAN TAMADUN ASIA (TITAS)	2	132	B+	
		Unit Kumulatif	16		
KURSUS PRA SYARAT KHAS (Kod Z)					
LMT100	BAHASA INGGERIS PERSEDIAAN	2	112	B+	
		Unit Kumulatif	2		
JUMLAH UNIT KESELURUHAN					
Unit Dikecualikan	Semester Dikecualikan	Unit Kumulatif	Unit Pengijazahan		
0	0	137	135		

Rujukan Kami : TNBG/SJP 15.5.5

26 Ogos 2014

KEPADA SESIAPA YANG BERKENAAN

LATIHAN INDUSTRI

DI STESEN JANAELEKTRIK SULTAN ISMAIL PAKA, TERENGGANU

Merujuk kepada perkara di atas, **Muhammad Luthfi Muslim bin Abd. Razak. K/P: 920314-14-5141** pelatih dari Universiti Sains Malaysia (USM) telah menjalani latihan praktikal di stesen ini. Beliau telah menjalani latihan industri bermula 23 Jun 2014 hingga 4 September 2014.


Beliau telah ditempatkan di Bahagian Senggaraan Tarbin Gas (GTMS). Sepanjang penglibatan beliau di SJSI Paka sebagai seorang pelatih, beliau memberikan komitmen serta inisiatif yang tinggi, semangat berpasukan dan berdedikasi dalam melaksanakan tugas yang diberikan.

Semoga dengan sikap beliau yang positif akan menjadikan beliau seorang yang berjaya dalam semua bidang.

Sekian, terima Kasih.

" PENGGERAK KEMAJUAN NEGARA "

" BETTER. BRIGHTER. "



Mr. Abdul Rahman bin Mohamed
PENGURUS BESAR
STESEN JANAELEKTRIK SULTAN ISMAIL
BAHAGIAN PENJANAAN TNB
23100 PAKA, TERENGGANU

BAHAGIAN PENJANAAN TNB (386991-W)
(A wholly owned subsidiary of Tenaga Nasional Berhad)
Stesen Janaelektrik Sultan Ismail, Beg Berkunci No. 5, 23100 Paka, Terengganu.
Tel : 098271772, 8271776, 8271778, 8271813, 8271822, 8271781, Fax: 09-8271053

To whom it may concern,

Date : 28.8.2014
Name : MUHAMMAD LUTHFI MUSLIM BIN ABD RAZAK
Job : Gas Turbine Maintenance
I/C : 920314-14-5141
Duration : 24 June – 07 September 2014

Job assigns to:

Gas Turbine Maintenance Section(GTMS)
Stesen Janaelektrik Sultan Ismail
23100 Paka, Terengganu

Job Summary:


Carry out mechanical maintenance works of Gas Turbine and Black Start Diesel Engines.

Duties and Responsibility:


Carry out daily corrective and preventive maintenance as section planning such as:

1. Dismantling, cleaning and inspection of all the cylinder heads, pistons and rings, liners, connecting rod, bearings, camshaft lifter assembly, after coolers and fuel line systems
2. Inspection on rocker arms, inlet and exhaust valves, valve guides and spring including their movement, rocker gear. Valve lapping job will be carried out accordingly depending on the findings during disassembling work.
3. Inspection and measuring of connecting rod and main crankshaft journals, main and connecting rod bearings condition and clearances including bearing replacement where necessary.
4. Replacement of all gaskets and seals accordingly.
5. Servicing and calibration of all fuel injection pumps.
6. Servicing of governor actuator.
7. Reassembly of all engine components back in order.
8. Alternator re-coupling to the engine.
9. General engine servicing and oil change.
10. To assist station during engine commissioning.
11. To assist station for engine weekly test run in three month period starting from the commissioning date

Reference:


En. Mohd Saiful bin Baharom
Engineer of Gas Maintenance Turbine Section
Stesen Janakuasa Sultan Ismail Paka
Tel: 09-8313402

Approved by:


MAZWAN BIN MOHAMED
Engineer (Reliability & Engineering - Gas Turbine)
Sultan Ismail Power Station
TNB Generation Division
23100 Paka, Terengganu