

NURUL AMIRAH BT RAMIZAN

PERSONAL INFORMATION	CONTACTS
<ul style="list-style-type: none"> NATIONALITY : Malaysian LANGUAGES : Bahasa Malaysia & English OWN TRANSPORT : Yes RELOCATED : Yes <p>AVAILABILITY : IMMEDIATE</p>	<ul style="list-style-type: none"> ADDRESS: No.27, Jalan Desa Wangsa 1, Taman Desa Wangsa, 43200, Cheras, Selangor. HP : (+60)133778851 EMAIL: : amira.ramizan@gmail.com



Hardworking, enthusiastic and result-oriented person and ready to learn unlimited knowledge and continuous process improvements parallel improvements in human relations. Willing to travel and learn new knowledge to enhance own self.

EDUCATIONAL BACKGROUND	SOFTWARE SKILLS
<p>UNIVERSITI TENAGA NASIONAL (UNITEN) (2012-2016)</p> <ul style="list-style-type: none"> Bachelor of Mechanical Engineering (Hons.) CGPA: 3.02 MUET: Band 3 <p>UNIVERSITI SELANGOR (UNISEL) (2007-2010)</p> <ul style="list-style-type: none"> Diploma of Mechanical Engineering CGPA: 2.85 <p>SMT KUALA SELANGOR (2005-2006)</p> <ul style="list-style-type: none"> Sijil Pelajaran Malaysia (SPM) 	<p>Microsoft Office</p> <ul style="list-style-type: none"> Excel, PowerPoint, Word, Picture Manager <p>Modelling and Design</p> <ul style="list-style-type: none"> Autodesk AutoCAD Essential 2007, AutoCAD Creating 3D Models, Autodesk Mechanical Inventors (2013,2014), Edgecam , Creo (Pro.E) <p>Others</p> <ul style="list-style-type: none"> MathCAD

INDUSTRIAL EXPOSURE (INTERNSHIP)	OTHER WORKING EXPERIENCES
<p>Practical Student at Malaysia Nuclear Agency (MAR 2015 – MAY 2015)</p> <ul style="list-style-type: none"> Learnt basic Autodesk Inventor Professional (2D and 3D) and practice failure analysis (FEA) for material structure along with analysis report which include calculation for each structure using MathCAD software. Exposed to radiation protection knowledge for nuclear. Applied heat exchanger calculation in search for the design and type. Learned basic NC machine (Turning and Milling Machine) and practiced CNC software (The Edgecam). <p>Stress Piping Trainee at Technip Geoproduction Sdn. Bhd. (JUNE 2010 – AUG 2010)</p> <ul style="list-style-type: none"> Learned basic piping engineering from scratch 2D and 3D drawing, material, type of pipe and others related piping knowledge. Learned the introduction of Pipe Stress Analysis Software (CAESAR) 	<p>Unit Trust Consultan at Public Mutual Berhad (MAR 2011 – SEPT 2012)</p> <ul style="list-style-type: none"> Managed investment account for customers. Studied on how to enhance productivity and approaching self-awareness to surrounding. Enhancing credibility to work with people and how to control the universe (Law of Attraction). <p>SP Media</p> <ul style="list-style-type: none"> Location: Tropicana Damansara Position: Event Crew (All position including Speaker) <p>Volunteering</p> <ul style="list-style-type: none"> Representative from UNITEN at International Nuclear Science, Technology and Engineering Conference 2015 (iNuSTEC 2015). Title: Portable High Radiation Shielding Project bureau Engineers for Makna Run 3 at UNITEN (2015) Program Khidmat Masyarakat Pengajian Islam at Kapar & Meru (2014)

FINAL YEAR PROJECT	FINAL YEAR DESIGN PROJECT (CAPSTONE DESIGN)
TITLE: Design of Radiation Shielding for Portable High Activity Gamma Ray Container (Collaboration with Malaysia Nuclear Agency) <ul style="list-style-type: none"> Studied the type of sand in Malaysia and identified its density and characteristic as radiation shielding material. Conducted experiment involving different type of thickness with Cesium-137 (Cs-137) as radiation source and recorded result of half value layer (HVL) of the sand. 	TITLE: Design Optimization of Hinges for Supporting Long Arm in Street Lighting <ul style="list-style-type: none"> Developed relevant information based on research and work on defining the engineering and customer requirement. Conducted a survey and identified result using house of quality (HOQ) and generate the concept with specific design. Prepared full report for the project.

COURSES	PROJECT TITLE	DESCRIPTION
Renewable Energy	Research and Design Biogas system from Food Waste	Identified the sources of food waste and nearest electric substation (PE). Calculating the energy produce from food waste and identified demand for the energy needed. Choose the right biogas system that eligible to be used based on 8tonnes of food waste.
Nuclear Engineering	Design of an Effective Heat Exchanger for Nuclear Reactor	Designed an effective heat exchanger to transfer thermal energy from the nuclear reactor in the primary loop to the power generation.
Mechanical Design Process	Health-Maker Water Filtration	Design a water filter by applying house of quality, pugh matrix concept to choose engineering and customer requirement. Survey conducted and design created using Mechanical software. Project presented in front of students and lecturer with prepared poster and explanation
Non-Destructive Testing	Identified NDT method (Company Visit)	Visit Tan Chong Motor Assemblies Sdn Bhd (TCMA). Identified non destructive method used by company and go through the process of production on how NDT process help the relation of the component parts.
Radiation Safety And Waste Management	Environmental Impacts Of Nuclear Power	Studied the environmental impact of Nuclear Power which happen in Chernobyl and Japan. Elaborate the issues in managing the nuclear waste and any recommend strategies for development of nuclear power program in Malaysia.
Electro-Mechanical System	Design Motor Selection for Elevator	Design the motor for elevator by identifying the regular mechanism of the motor involving geared traction type and other parameters. Selection need to considered calculation of gear ratio, starting load torque and safety factor

EXTRACURRICULAR ACTIVITIES			
ACTIVITIES	POSITION	LEVEL	DESCRIPTION
Speaker at iNusTech 2015	University Delegate	International	Selected speaker with Industrial Training and final year project in collaboration with Nuclear Agency Malaysia
UNITEN Table Tennis Tournament	Athlete	University	Club representative from SIR Club. Win bronze medal
Larian Engineering for Makna	Athlete / Project Bureau	University	<ul style="list-style-type: none"> Join the MaknaRun 2014 to support Cancer Program Project Bureau for MaknaRun 2015
Festival Convocation	Project Committee	University	<ul style="list-style-type: none"> Part of Protocol Bureau for Unitengua Convofest 2012 Make sure every each department on going and prepared

REFERENCES		
Prof. Madya Dr. Abdul Aziz Bin Mohamed Academic Advisor Mechanical Engineering Department, Universiti Tenaga Nasional, Malaysia Tel : 03-89212020 Ext:7266 Email : AzizM@uniten.edu.my	Anas Bin Muhamad Pauzi Final Year Project Supervisor Mechanical Engineering Department, Universiti Tenaga Nasional, Malaysia Tel : 03-89212020 Ext:1824 Email : Anas@uniten.edu.my	Muhammad Hannan Bin Bahrin Research Officer Dep. of Prototype & Plant Development Centre (PDC) Agensi Nuklear Malaysia, Tel : +6014-8630 160 Email : hannan@nuclearmalaysia.gov.my