

# MOHD NAZRULDIN BIN MOHD NADZIR



## PERSONAL PARTICULAR

NRIC : 900922-09-5127  
D.O.B. : 22 September 1990  
Nationality : Malaysian  
Gender : Male  
Health : Excellent



## CONTACT DETAILS

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## E-MAIL

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## LINKEDIN

<https://my.linkedin.com/pub/nazrululdin-nadzir/ba/46/b23>



## PERMANENT ADDRESS

No. 4, Jalan Suadamai 2/3, Bandar Tun Hussein Onn, 43200 Cheras, Selangor



## PERSONAL INTEREST

| Futsal | Video Games | Badminton |  
| Travel | Swimming |



## EDUCATIONS

### UNIVERSITI TEKNOLOGI PETRONAS (UTP) SEPT 11 – MAY 15

Bachelor of Engineering (Hons) in Electrical & Electronic Engineering (Control System & Instrumentation) **CGPA: 3.07**

### UNIVERSITI TEKNOLOGI MARA (UiTM) JULY 08 – MAY 11 PULAU PINANG

Diploma in Electrical & Electronic Engineering (Instrumentation) **CGPA: 3.52**

### MAKTAB RENDAH SAINS MARA (MRSM) MUADZAM SHAH

JAN 06 – DEC 07

Science Stream



## SOFTWARE SKILLS

- PROGRAMMABLE LOGIC CONTROLLER (PLC)
- HUMAN-MACHINE INTERFACE (HMI)
- DISTRIBUTED CONTROL SYSTEM (DCS)
- PIPING AND INSTRUMENT DESIGN (P&ID)
- MICROSOFT OFFICE



## INDUSTRIAL EXPOSURE

### TRISYSTEMS CONTROL SOLUTION SDN. BHD.



Duration : 7 Months  
Position : Trainee Engineer  
Project : CKX Booster Compression  
Client : Carigali Hess Operating Company Sdn. Bhd.

### CONSURY TECHNIC SDN. BHD.



Project : Baronia PI System Gap Analysis  
Position : Junior OSIsoft PI Engineer  
Client : Group Technical Solution (GTS)  
Location : Baronia Field Offshore Miri, Sarawak  
Scope of work : Perform Instrument Gap Analysis based on data gathering from P&ID, DCS, PI Dump and instrument connection from Baronia platform

### DYNA SEGMENT SDN. BHD.



Project : Diamond Wrap Pipe Wrap Composite Repair for FPSO Kikeh Offshore  
Position : Engineer  
Client : Malaysia Deepwater Production Construction  
Location : Offshore FPSO Kikeh, Labuan  
Scope of work : Service and maintenance for 6-inch elbow and flange low-pressure steam line in FPSO Kikeh Offshore, Labuan



Job Description	Responsibilities	<ul style="list-style-type: none"><li>• Develop new PLC logic program and new HMI graphic.</li><li>• Analyse, prepare, compile and submit project documents.</li><li>• Procuring items for the project.</li></ul>
	Experience Gained	<ul style="list-style-type: none"><li>• Hands on Physical Inspection of FGS panels, Power up inspection Engineering Workstation Test, Functional Inspection, Battery Backup Check and Cabinet Fault Response Test.</li></ul>
	Achievements	<ul style="list-style-type: none"><li>• Managed to handle, complete and submit FAT project documents to client alone.</li><li>• Involved in Internal Test and Factory Acceptance Test (FAT)</li></ul>



## FINAL YEAR PROJECT

### A VOTING ALGORITHM FOR FIRE AND GAS DETECTION AND MONITORING SYSTEM IN AN INDUSTRIAL PLANT

A detector's voting technique for a safety system using integration of PLC software program (Functional Block Diagram) and HMI graphic software based on FGS Mapping.

TOP ACHIVEMENT	TOP LEADERSHIP		TRAINING AFFILIATION
<ul style="list-style-type: none"><li>• <b>Dean's Award</b> on October 2008, 2009 and April 2010 of UiTM</li><li>• Qualified to <b>Final Year Competition</b> in January – April Semester 2011 of UiTM</li></ul>	<b>Project Leader</b> for: <ul style="list-style-type: none"><li>• Integrated System Design Project, Sept 14</li><li>• Industrial Automation and Control System, Jan 14</li><li>• Plant Process Control Systems, Jan 14</li></ul>		<ul style="list-style-type: none"><li>• <b>Tropical BOSIET</b> with EBS and Travel Safety by Boat</li><li>• National Service Training Program (PLKN) 2008</li></ul>
OTHER RELATED PROJECTS			
FIELDWORK & LAB EXPOSURE	DESCRIPTIONS		
<b>Plant Process Control Systems</b>	<ul style="list-style-type: none"><li>• Analysed and improved the flow process performance using PID of the plant in the university laboratory plant. P&amp;ID was drawn according to PETRONAS Technical Standard (PTS).</li></ul>		
<b>Industrial Automation &amp; Control System</b>	<ul style="list-style-type: none"><li>• Developed the ladder diagram using OMRON's programmable logic controller.</li></ul>		
<b>Engineering Team Project</b>	<ul style="list-style-type: none"><li>• Developed electrical circuit, soldering and assemble project equipment in the group of six with different field of study.</li></ul>		
<b>Analogue Electronics II</b>	<ul style="list-style-type: none"><li>• Designed a 4-BJT's Different Amplifiers using LTSpice and prototyped the design.</li></ul>		
<b>Analogue Electronics I</b>	<ul style="list-style-type: none"><li>• Designed, fabricated and assembled a Smart Dual Polarity DC Power Supply System.</li></ul>		
<b>Field Trip to Janamanjung Power Station, Perak</b>	<ul style="list-style-type: none"><li>• Exposure to power plant equipment and operation by Tenaga Nasional Berhad.</li></ul>		
RELEVANT COURSE TAKEN			
<ul style="list-style-type: none"><li>• Network Analysis</li><li>• Electromagnetic Theory</li><li>• Digital Electronics II</li><li>• Analog Electronics I &amp; II</li><li>• Signal &amp; Systems</li><li>• Electrical Machines</li><li>• Probability and Random Processes</li></ul>	<ul style="list-style-type: none"><li>• Digital Signal Processing</li><li>• Computational Methods</li><li>• Power Electronics</li><li>• Communication Systems</li><li>• Health, Safety &amp; Environment</li><li>• Data and Computer Network</li><li>• Power System</li><li>• Ordinary Differential Equations</li></ul>	<ul style="list-style-type: none"><li>• Industrial Automation &amp; Control System</li><li>• Modern Control Engineering</li><li>• Plant Process Control System</li><li>• Control System</li><li>• Electrical Energy System</li><li>• Microprocessor</li><li>• Vector Calculus</li></ul>	
EXTRA-CURRICULAR & ACTIVITIES			
<ul style="list-style-type: none"><li>• <b>Head of Logistic Department</b> in UTP Tennis Tournament</li><li>• <b>Games &amp; Activities Comitee</b> in ELECTREX 2012 of UTP</li><li>• <b>Food and Bevarages Comitee</b> in Sehari Bersama Programme of UTP</li><li>• <b>Logistic Comitee</b> in Minggu Aluan Siswa of UTP</li><li>• <b>Volunteer</b> for Mutiara Idaman Carnival 2009 as First Aid Agency of UiTM</li></ul>			
ADJUNCT LECTURE / PROGRAMME			
<ul style="list-style-type: none"><li>• IEM Engineering Talk 2013</li><li>• Aspiring Achievers programme by PETRONAS Leadership Centre</li><li>• Fire Safety &amp; Protection Engineering in Oil &amp; Gas Industries, Engineering Principles and Career Prospects talk by Promat (Malaysia) Sdn. Bhd.</li><li>• Innnovation Forum Academic &amp; Research Exhibition (ACARDEX 2013) of UTP</li></ul>			

## REFERENCES

### ACADEMIC REFEREE

**ASSOC. PROF. DR. NORDIN B SAAD**  
Lecturer,  
Electrical & Electronics Engineering  
Department,  
Universiti Teknologi PETRONAS,  
Phone : Office – (605) 368 7835  
Email : nordiss@petronas.com.my

### INDUSTRIAL REFEREE

**ABDUL LATIF BIN SURANI**  
Project Manager,  
Trisystems Control Solution Sdn.  
Bhd. 800282-H,  
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Mobile – (6016) 6954125  
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### PERSONALITY REFEREE

**NOR IDHAM CHE GHANI**  
Career Advisor, I.D.H.A.M Career Tool  
Society of Petroleum Technology  
Specialist (PtechS – HF14598)  
Phone : Office – (603) 78473278  
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