



MUHAMMAD SHARUL AZRIE BIN SHAHARUDIN

Engineer



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PERSONAL PARTICULAR

Age: 24-Year-old
Nationality: Malaysia

LANGUAGE

Malay ● Advanced
English ● Intermediate
Mandarin ● Beginner

PROFESSIONAL CERT

- PLC programming with Indraworks Engineering from Bosch Rexroth
- Bosch Modular Mechatronics System Basic Application from Bosch Rexroth
- Characteristic and application of PLC System from Festech

TECHNICAL SKILLS

PLC ● Intermediate
Python ● Intermediate
C Programming ● Intermediate
MySQL ● Beginner
AutoCAD ● Beginner

SOFTSKILLS

Leadership
Innovative
Creativity

OTHER

CIDB Green Card Holder

OBJECTIVE CAREER

A person who is passionate about automation electronics and is looking for a position to grow and gain experience in the field. Self-motivated, smart working, diligent, and detail oriented.

EDUCATION

2020 - 2024

Bachelor of Technology (Industrial Electronics Automation) **3.89**
With Honours, University Malaysia Pahang

2018 - 2019

Diploma of Electronic Technology (DVM) **3.82**
Kolej Vokasional Sungai Buloh

Diploma Kemahiran Malaysia (DKM)

Course: Electronic Technology (Audio Visual) **Level 4**
Kolej Vokasional Sungai Buloh

2016 - 2017

Sijil Vokasional Malaysia (SVM) **3.52**
Course: Electronic Technology
Kolej Vokasional Sungai Buloh

PROJECT & ACHIEVEMENT

2023 BCM Monitoring System Through Cloud Server
(Internship Project at PROTON)

2022

- 1) Smart Home with Anti-Theft System
- 2) Handwriting Recognition using Webcam for Online Learning
 - Both projects have won Silver Award in in Creation, Innovation, Technology & Research Exposition (CITREX)

2020 - Cooling tower level sensor detections and supervisory at SCADA (Internship Project at Top Glove)

2019

- Certificate of Platinum Award in Innovation Competition for International Summit of InSIDE 2019
- Certificate of Bronze Award in Asean Robofest 2019 for Skill Challenge Electronic

2018

- Certificate of Third place in KV Skills Industrial Electronic Technology at Central Zone

SKILLS

- Automation: PLC, Mechatronic, Pneumatic, Hydraulic, Analog & digital, Industrial automation & instrumentation.
- IoT technologies: Microcontroller, Wireless communication, Cloud database, Apps development, Networking.
- Electronic skills: PCB Assembly, PCB Design, Troubleshooting, Audio & Video Installation.
- Automotive: GADS, PADT, CANoe Vector, Basic CATIA
- Employability skills: Critical thinking, Communication, Professionalism & ethics, Collaboration.

JOB EXPERIENCES

March 2023 – March 2024

Practical, Research & Development E&E
PROTON, Perusahaan Otomobil Nasional Sdn. Bhd
Tasks:

1. To assist engineer in project development.
2. Troubleshoot and deal with issue.
3. Communicated with Geely, other departments (Testing, Quality, Manufacturing) and vendors.

June 2020 – Sept 2020

Supervisor, Manufacturing M&E
Top Glove, TG Medical Sdn. Bhd (F3)
Tasks:

1. Person In charge for facemask machines.
2. To ensure all machines & production lines are running smoothly.
3. Trouble-shoot and report on facilities and building repairing works.
4. To assist engineer in the creation of projects.

January 2020 – March 2020

Trainee M&E (Internship Diploma)
Top Glove, GMP Medicare Sdn. Bhd (F29)
Tasks:

1. To supervise subordinates & ensure all works & projects are being carried out smoothly.
2. To ensure all works and projects are carried out smoothly and efficiently.
3. Monitor electrical consumption and chiller system at factory.

REFERENCES

**Dr. Raja Mohd Taufika
Bin Raja Ismail**
Head of Program
University Malaysia Pahang
Tel: 013-9761013
Email: rajamohd@ump.edu.my

Dr. Amran Bin Abdul Hadi
Lecturer
University Malaysia Pahang
Tel: 01129116212
Email: amranhadi@ump.edu.my

LIST OF TASK

List of internship tasks at Proton:

No	Task/Item	Activities	Date Started, Date Completed	Remark
1	Saga MC3 Cost Estimation Form	<ol style="list-style-type: none"> 1. Make 1 CE Form for CCU Design Y. 2. Update 10 CE form for PCB measurement. 3. For each component, create an exploded view. 4. Taking design measurements with CATIA. 	21 Dec 2023, 22 Dec 2023	
2	New software for VX11 BCM tailgate unlock feature improvement using Proton Link	<ol style="list-style-type: none"> 1. Installed new software in Testing car, performed function, logged CAN data and sent report to Geely 	13 Oct 2023, 20 Dec 2023	
3	X70 MC2 Problem Pick-Up (PPU) List TT Stage	<ol style="list-style-type: none"> 1. Simulate the issue. 2. Logged CAN data and sent report to Geely. 	19 Dec 2023	
4	Saga MC2 Cost Estimation Form	<ol style="list-style-type: none"> 1. Make 12 CE Forms. 2. For each component, create an exploded view. 3. Taking design measurements with CATIA. 	13 Dec 2023, 14 Dec 2023	
5	OK Line MFT Issue	<ol style="list-style-type: none"> 1. Take Comfort CAN Log, send to Geely to verify, compare function & network configuration. 	20 Nov 2023, 23 Nov 2023	
6	SS11 Dark current	<ol style="list-style-type: none"> 1. Measure dark current S70 based on Geely test case, Keeping track of data in Excel for the number of tested instances. 	5 Sept 2023, 15 Nov 2023	
7	New software for VX11 BCM, Delete the CPD horn notification	<ol style="list-style-type: none"> 1. Installed new software in Testing car, change function configuration, performed function. 	10 July 2023, 27 Nov 2023	
8	X90 TPMS Tool Readiness for Export market	<ol style="list-style-type: none"> 1. Installed new software in tools, performed function, Make a SOP for Handheld tool, Comparison between all version, listing TPMS part number. 2. Translate a document of TPMS based on PCR. 	23 July 2023, 15 Nov 2023	

		3. Prepare a summary slide for tyre pressure monitoring system (TPMS) project		
9	X70 MC2 Issue: Vehicle Alarm Malfunction	<ol style="list-style-type: none"> 1. Installed new software in Testing car, performed function, logged CAN data and sent report to Geely. 2. Make a Chronology and OPR, and comparison. 	25 Sept 2023, 2 Oct 2023	
10	X70 MC2 Issue: Nearby auto unlock tailgate malfunction (intermittent)	<ol style="list-style-type: none"> 1. Installed new software in Testing car, performed function, logged CAN data and sent report to Geely. 2. Make a Chronology and OPR. 	20 Sept 2023, 4 Oct 2023	
11	New software for SS11 IBC, Tbox functional test requirements	<ol style="list-style-type: none"> 1. Installed new software in Testing car, performed function, Take Calibration data 	15 Aug 2023	
12	AVM X50 RC	<ol style="list-style-type: none"> 1. Installed new software in Testing car, performed function, Take Calibration data 	8 Aug 2023, 17 Aug 2023	
13	SS11 TCM NG	<ol style="list-style-type: none"> 1. Prepare a OPR. 	5 July 2023	
14	AVM Mat X70 MC2	<ol style="list-style-type: none"> 1. Prepare Data Release Form (DRF) to ACOTECH. 2. Design AVM Mat using CATIA. 	12 June 2023	
15	Bezza Teardown for Benchmark	<ol style="list-style-type: none"> 1. Fill in Part Decomposition Form (PDF) & Cost Weight Analysis Form (CWA) for Bezza Teardown. 2. Get a picture of Bezza Teardown parts 	25 May 2023, 2 June 2023	
16	SS11 Wireless Charging Issue	<ol style="list-style-type: none"> 1. Swap wireless charger, test, and make a slide based on outcome for wireless charging issues. 	31 May 2023	
17	New software for X70 MC2 BCM	<ol style="list-style-type: none"> 1. Update Loose part for 18 unit using GADS. 	12 May 2023	
18	SS11 CE Form	<ol style="list-style-type: none"> 1. Fill CE form for SS11 parts. 	11 May 2023	
19	X90 Dark current	<ol style="list-style-type: none"> 1. Check dark current X50 2. Do test case based on Geely. Measure dark current and check battery health with Mr. Duanjie from Geely. 	18 April 2023, 9 May 2023	

20	VAVE X90 (VX11) Power Tailgate & ECU Implementation for Mass Pro	<ol style="list-style-type: none"> 1. Installed new software in Testing car, performed function, replace a new ECU, logged CAN data and sent report to Geely. 2. Make a Testing Request Form (TRF). 3. Follow up for Workability & Pilot Trial. 	3 May 2023, 30 May 2023	
21	Learn CAN Log	<ol style="list-style-type: none"> 1. Take CAN Log. 2. Found an issue: Proton Link Apps Can't turn off the Car Aircond, the problem found is that the TBOX doesn't send the req to stop the engine 	14 March 2023	
22	X50 Dark current	<ol style="list-style-type: none"> 1. Measure dark current X50 based on Geely Test case. 2. Follow up with EQD team. 3. Keeping track of data in Excel for the number of tested instances. 	24 March 2023, 31 March 2023	
23	X90 (VX11) AVM	<ol style="list-style-type: none"> 1. Installed new software in Testing car, performed function, logged CAN data and sent report to Geely 2. Calibrate AVM using a mat. 3. Change to new AVM hardware. 4. Test APA function. 	21 March 2023, 18 April 2023	
24	IBCM Vs ABCM	<ol style="list-style-type: none"> 1. Make a comparison between IBCM and ABCM. 	28 March 2023	
25	X90 (VX11) Rear Sensor	<ol style="list-style-type: none"> 1. Change Rear sensor. 2. Update Software for PAS. 3. Check with MFT tool. 	17 March 2023	
26	Training Electrical & Electronic Architecture.	<ol style="list-style-type: none"> 1. Training about new EE architecture and about CAN/LIN communication 	15 March 2023, 16 March 2023	
27	Persona Pull Cup Handle Assy	<ol style="list-style-type: none"> 1. Make chronology improvement for switch power window (auto button) pull cup pis. 	14 March 2023	
28	Saga Reverse Camera Trial	<ol style="list-style-type: none"> 1. Test the car, Install the reversing camera. 2. Trial at Hicom Teck See (HTS) Shah Alam. 	14 March 2023, 16 March 2023	

		3. Meet with Mr. Qorie Supplier from Rongi Technology Sdn Bhd		
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