

MOHAMMAD IDHAM BIN KARAMA

Idham, who is flexible, adaptable and able to manage multiple priorities at the same time. Graduated in mechatronic engineering with solid proficiency in software and electrical/electronic area. Able to readily conceptualize complex designs and develop components and products from concept to completion. In the final year project, analysing the usage of scene reconstruction from a mobile 3D scanner (Structure Sensor), to study and analyse the usage of the 3D scanner, able to use MATLAB to analysis and design to meet the objective.



Contact Details

Address: No. 88, Taman Kodiang,
06100 Kodiang,
Kedah Darul Aman.
Mobile: 012-5425482
Email: idhamkarama@gmail.com

Qualification

September 2013 until July 2017

- Level field of Study : Bachelor in Engineering (Hons.) Mechatronic Engineering.
- Institute/University : University Malaysia Perlis (UniMAP), Perlis.
- Graduation Date : September 2017
- CGPA : 2.72

May 2012

- Level field of Study : Matriculation (Physics & Science)
- Institute/University : Kolej Matrikulasi Kedah.
- Graduation Date : April 2013
- CGPA : 2.94

Works Experience

- (1) Company : CEASTech (research centre), UniMAP
Position : Trainee
Date Joined : July 2
Date Left : September 2016
Industry : Manufacturing
- (2) Company : Chicken Rice Kiosk
Position : Waiter
Industry : Food Industry
- (3) Company : KBM Mega Enterprise
Position : General Worker
Industry : Construction / Painting

Professional skills

- ORCAD software (Beginner)
- Proficient in Ms Office applications (Ms Excel, Ms PowerPoint, Ms Word)
- Able to read electrical circuit
- CATIA and Solidworks software (Beginner)
- Familiar with molding and electrical circuit (basic)
- Arc and Gas welding (Beginner)
- Able to use basic CNC coding
- Able to use programming software in C programming, Matlab, PLC programming and Arduino (beginner)

Professional Courses / Seminar / Program Attended / Extra Curricular Activities

2017

- Participation of Volleyball Club

2016

- MATLAB Workshop, Health Seminar (Vape), Perlis Marathon

2015

- Participation of Archery Club

2014

- Participation of Kelana Siswa Malaysia

2013

- Participate in Human Domino (Malaysia Book of Record)

Academic project

Final year project: Analyzing The Usage of Scene Reconstruction From a Mobile 3D Scanner.

Description: This project is about to find out on how the 3D sensor works to give a better usage from scene reconstruction compared to traditional method using cameras. The main problem of this project is to see whether the scene reconstructed by Structure sensor be more beneficial compared to traditional images. So, the simulation has been made using Matlab to solve the problem and also to make other people can use it more easily through GUI. There are several applications that have been study to choose the right technique that can be used for the usage of the scene reconstruction, like distance measurement and the accuracy of the 3D modeling.

Software Involve: Matlab 2016.

Integrated Design Project: Design A Home Security System (IoT)

Description: A group project which is to develop a home security system (IoT). The system includes like fire alarm, sliding door, burglar alarm and surveillance camera that connect to the internet and notify the user if something happened in the house through the smartphone.

Software Involve: Arduino, BuildFire.

Referees

1. Dr. Shazmin Aniza Bt. Abdul Shukor
FYP Supervisor,
School of Mechatronic Engineering,
Universiti Malaysia Perlis, Perlis, Malaysia.
Email: shazmin@unimap.edu.my
Phone: 04-9885166

2. Dr. Muhammad Juhairi Aziz bin Safar
Programme Chairperson,
Mechatronic Engineering Programme,
School of Mechatronic Engineering,
Universiti Malaysia Perlis, Perlis, Malaysia.
Email: juhairi@unimap.edu.my
Phone: 04-9885224