

## **List of Student-Supervisor Assignment for MKEM 1814 Project 1 (20212022-1)**

Program: M. Eng (Electrical – Mechatronic & Automatic Control) Main Campus Johor Baru

No	Student Name	Title Code	Supervisor Name	Supervisor's Email
1	Muhammad Syafiq Bin Monaer	MEM2122-01-11	Prof. Dr. Zaharuddin B Mohamed	<a href="mailto:zahar@fke.utm.my">zahar@fke.utm.my</a>
2	Khong Fan Hao	MEM2122-01-01	Prof. Ts. Dr. Mohd Fua'ad Bin Rahmat	<a href="mailto:fuaad@fke.utm.my">fuaad@fke.utm.my</a>
3	Monzer Mohammed Raslan	MEM2122-01-06	Prof. Ir. Ts. Dr Ahmad 'Athif Bin Mohd Faudzi	<a href="mailto:athif@fke.utm.my">athif@fke.utm.my</a>
4	Navein A/L Sirkunan	MEM2122-01-04	Prof. Ir. Ts. Dr. Ahmad 'Athif Bin Mohd Faudzi	<a href="mailto:athif@fke.utm.my">athif@fke.utm.my</a>
5	Cheok Jun Yi	MEM2122-01-02	Dr. Mohd Ariffanan Bin Mohd Basri	<a href="mailto:ariffanan@fke.utm.my">ariffanan@fke.utm.my</a>
6	Al-Hadeethi Muthanna Mohammed Owaid	MEM2122-01-02-1	Dr. Mohd Ariffanan Bin Mohd Basri	<a href="mailto:ariffanan@fke.utm.my">ariffanan@fke.utm.my</a>

Program: M. Eng (Electrical – Mechatronic & Automatic Control) Off Campus Kuala Lumpur

No	Student Name	Title Code	Supervisor Name	Supervisor's Email
1	Umar Bin Faizel Amri	MEM2122-01-10	Dr. Sophan Wahyudi Bin Nawawi	<a href="mailto:sophan@fke.utm.my">sophan@fke.utm.my</a>
2	Nurfariza Akmar Abdul Mutalib	MEM2122-01-07	Prof. Madya. Ir. Dr Mohd Ridzuan Bin Ahmad	<a href="mailto:ridzuan@fke.utm.my">ridzuan@fke.utm.my</a>

### **LIST OF TITLES**

Title Code	Title
MEM2122-01-01	Controller Design for Position Tracking of Pneumatic Actuator System
MEM2122-01-02	Self-Tuning PID Based Navigation of Autonomous Mobile Robot in Industry 4.0
MEM2122-01-04	Autonomous Underwater Vehicle (AUV) navigation using underwater GPS
MEM2122-01-06	IoT based Real-time monitoring for Flood Early Warning System
MEM2122-01-07	Automated Visual Detection of External Welding Defect using Embedded Machine Learning
MEM2122-01-10	The Path Planning Control of Two Wheeled Mobile Robot using Extended Kalman Filter Technique
MEM2122-01-11	Model Predictive Control of an Overhead Crane System

*Please discuss with your supervisor if your title is not in the list.*