

**Assignment of Master Project 1 (20242025-2)****Program: M. Eng (Electrical – Mechatronics and Automatic Control) Main Campus Johor Bahru**

No	Student Name	Title Code	Project Title	Supervisor name	Supervisor's Email
1	Lee Yong Jun	MEEM-04	Reconfigurable Intelligent Surfaces (RIS) for Enhanced Wireless Sensing and Localization	Assoc. Prof. Dr. Leow Pei Ling	leowpl@utm.my
2	Ahmad Allam	MEEM-02	Reinforcement Learning Approach to Control an Inverted Pendulum	Assoc. Prof. Dr. Sophan Wahyudi bin Nawawi	e-sophan@utm.my
3	Liao Cheng	MEEM-13	LQR/PID Controller Design of PLC-based Inverted Pendulum	Assoc. Prof. Dr. Sophan Wahyudi bin Nawawi	e-sophan@utm.my
4	Hamza Muhammad	MEEM-03	Prediction of Myocardial Infarction Diagnose using Artificial Intelligence: Ensemble Learning Technique	Ir. Dr. Shafishuhaza Sahlan	shafis@utm.my
5	Esmail Mubarak Saleh Alhaddad	MEEM-14	Autonomous Navigation System for Agriculture Robot Using Reinforce Learning SLAM in Unstructured Outdoor Terrain	Assoc. Prof. Ir. Dr. Mohamad Shukri bin Zainal Abidin	shukri@utm.my
6	Zhu Yanzhen	MEEM-15	Refining A Maze Growth Detection Algorithm using Enhanced Deep Neural Network for Open Farming Area	Assoc. Prof. Ir. Dr. Mohamad Shukri bin Zainal Abidin	shukri@utm.my
7	Muhammad Rifqi Siddiq	MEEM-09	Hybrid Particle Swarm Optimization and Deep Learning Regression for PID Control Tuning in Industrial Electrohydraulic Actuator System	Ts. Dr. Muhamad Fadli bin Ghani	m.fadli@utm.my
8	Tho Kelvin	MEEM-08	Design and Control of a Gripper Arm for Precision Harvesting Using Fractional Order PID Control	Ts. Dr. Muhamad Fadli bin Ghani	m.fadli@utm.my
9	Rossielyana Binti Abdul Rahim	MEEM-06	Mobile Robot for Pick, Carry and Place Application	Dr Lim Cheng Siong	lcsiong@utm.my
10	Mohammed Favas Mullaparambil Navas	MEEM-07	Enhancing a Robotic Arm for Effective and Accurate Vegetable Harvesting	Dr Lim Cheng Siong	lcsiong@utm.my
11	Wu Shuangrui	MEEM-12	Auto-Tuning PID Based Navigation of Autonomous Mobile Robot	Dr. Mohd Ariffanan bin Mohd Basri	ariffanan@utm.my
12	Chen Xinyuan	MEEM-11	Self-Tuning PID Controller for Automatic Voltage Regulator of Hydropower Plant	Dr. Mohd Ariffanan bin Mohd Basri	ariffanan@utm.my
13	Huang Shanming	MEEM-01	Explainable AI using Large Language Model for Automated Debris Detection in Johor Rivers	Dr. Nurulaqilla Binti Khamis	nurulaqilla@utm.my