

# FURTHER YOUR STUDIES

## FACULTY OF MECHANICAL ENGINEERING, UNIVERSITI TEKNOLOGI MALAYSIA

The Faculty of Mechanical Engineering (FME) at the Universiti Teknologi Malaysia is a comprehensive engineering faculty offering postgraduate programmes in all major fields of mechanical engineering including robotics, engineering design, thermal engineering, fluid mechanics, materials engineering, advanced manufacturing, aeronautical and automotive engineering, and industrial engineering.

FME provides a wide variety of excellent instruction, research opportunities, resources, and facilities to its students.

Currently, FME offers the following postgraduate programmes:-

### Master of Science (Taught Course)

- Mechanical Engineering
- Advanced Manufacturing Technology
- Materials Engineering
- Industrial Engineering
- Ship and Offshore Engineering
- Automotive Engineering
- Aeronautical Engineering

### Master of Philosophy (Research)

- Mechanical Engineering
- Marine Technology

### Doctor of Philosophy (Research)

- Mechanical Engineering



# LIST OF SCHOLARSHIPS

- Graduate Assistantships
- UTM Zamalah
- International Doctoral Fellowship
- Industrial PhD
- Doctoral Research Grant
- Ainnuddin Wahid's Scholarship

PLEASE VISIT [HTTP://SPS.UTM.MY/FEES-FINANCE-2/](http://SPS.UTM.MY/FEES-FINANCE-2/)

The following are the list of potential research projects for Master/Ph.D study

**Supervisor:** Dr Kamarulafizam Bin Ismail

**Project Title:** Adaptive beamforming for acoustic source localization using sensor array.

**Level of study:** Master and Ph.D

**Financial assistance:** Available

**Supervisor:** Dr. Kamarulafizam Bin Ismail

**Project Title:** Coherent acoustic array processing of seismic information using wireless sensor networks

**Level of study:** Master and Ph.D

**Financial assistance:** Available

**Supervisor:** Dr. Kamarulafizam Bin Ismail

**Project Title:** High efficiency wireless charging mechanism for low power device

**Level of study:** Master and Ph.D

**Financial assistance:** Available

**Supervisor:** Dr. Kamarulafizam Bin Ismail

**Project Title:** Plug and play automotive electronic control unit using mobile devices.

**Level of study:** Master and Ph.D

**Financial assistance:** Available

**Supervisor:** Dr. Haslinda Mohamed Kamar

**Project Title:** Indoor air quality studies (in transport, building, etc.); Solid desiccant air dehumidification system; Heating, ventilation, refrigeration & air-conditioning (HVAC) Studies (including heat pump, heat recovery system)

**Level of study:** Master and Ph.D

**Financial assistance:** Available

**Supervisor:** Dr. Iskandar Shah Bin Ishak  
**Project Title:** Helicopter Tail Shake Phenomenon ( Scope: Wind tunnel test & numerical studies)  
**Level of study:** Ph.D  
**Financial assistance:** No

**Supervisor:** Dr. Mohd Farid Muhamad Said  
**Project Title:** Effective Resonators of a Gasoline Engine for Low Intake Noise Emission.  
**Level of study:** Master and Ph.D  
**Financial assistance:** Available

**Supervisor:** Dr. Mohd Farid Muhamad Said  
**Project Title:** Optimization of Automotive Exhaust Muffler for Tail-pipe Noise Reduction.  
**Level of study:** Master and Ph.D  
**Financial assistance:** No

**Supervisor:** Dr. Mohd Farid Muhamad Said  
**Project Title:** Development of Remotely Operated Underwater Vehicle for Scientific Applications.  
**Level of study:** Master  
**Financial assistance:** No

**Supervisor:** Dr. Mohd Farid Muhamad Said  
**Project Title:** Design and Development of Engine Intake Manifold for Formula SAE car.  
**Level of study:** Master  
**Financial assistance:** No

**Supervisor:** Dr. Mohd Farid Muhamad Said  
**Project Title:** Development of Dynamic Particle Characterizer for Multiphase Flow Applications.  
**Level of study:** Master and Ph.D  
**Financial assistance:** No

**Supervisor:** Dr. Norhayati Ahmad  
**Project Title:** Ceramic coating by plasma technique for automotive applications.  
**Level of study:** Master and Ph.D  
**Financial assistance:** Available

**Supervisor:** Dr. Aminuddin Saat  
**Project Title:** Burning rates and characteristics of biogas flame  
**Level of study:** Master  
**Financial assistance:** Available

**Supervisor:** Dr. Mohd Fairus Mohd Yasin  
**Project Title:** Water-assisted flame synthesis of Carbon Nanotubes.  
**Level of study:** Ph.D  
**Financial assistance:** Available

**Supervisor:** Dr. Mohd Faizal Hasan, Dr. Zulkarnain Abdul Latiff  
**Project Title:** Hydrothermal Treatment for various Palm Biomass Residues  
**Level of study:** Master  
**Financial assistance:** No

**Supervisor:** Dr. Mohd Faizal Hasan, Dr. Zulkarnain Abdul Latiff  
**Project Title:** Dry Torrefaction (Heating without Oxygen) of Densified Palm Biomass  
**Level of study:** Master  
**Financial assistance:** No

**Supervisor:** Dr. Mohd Faizal Hasan  
**Project Title:** Numerical Investigation of Hydrogen Flow through Membrane for Fuel Cell Application  
**Level of study:** Master  
**Financial assistance:** No

**Supervisor:** Dr. Mohd Faizal Hasan, Prof. Ir. Dr. Farid Nasir Ani  
**Project Title:** Gasification of various Palm Biomass Residues  
**Level of study:** Master  
**Financial assistance:** Available

**Supervisor:** Dr. Mohd Faizal Hasan, Dr. Zulkarnain Abdul Latiff  
**Project Title:** Dry Torrefaction (Heating without Oxygen) of Densified Palm Biomass and Plastics Waste  
**Level of study:** Master  
**Financial assistance:** No

**Supervisor:** Dr Ardiyansyah Syahrom  
**Project Title:** An in-vitro Evaluation of the Effectiveness of Endodontic Irrigants: computational fluid dynamic (CFD) approach.  
**Level of study:** Master and Ph.D  
**Financial assistance:** Available

**Supervisor:** Dr Ardiyansyah Syahrom  
**Project Title:** Study on the Effect of Multiple Load Bearing Combined with Dynamic Immersion Test of dynamic properties Biodegradable Metal for Bone Scaffold.  
**Level of study:** Master and Ph.D  
**Financial assistance:** Available

**Supervisor:** Muhamad Hasbullah Padzillah  
**Project Title:** Turbomachinery - Development of highly efficient turbocharger turbine for ICE applications, energy recovery system  
**Level of study:** Master & Ph.D  
**Financial assistance:** Tiada

