

DR. AHMAD FAISAL MOHAMAD AYOB

ASSOC. PROFESSOR | MECHANICAL/OCEAN ENGINEERING
FACULTY OF OCEAN ENGINEERING TECHNOLOGY
UNIVERSITI MALAYSIA TERENGGANU (UMT)

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EXPERIENCE

ASSOCIATE PROFESSOR

UNIVERSITI MALAYSIA TERENGGANU

📅 2019 - Present

UNIVERSITY LECTURER

UNIVERSITI MALAYSIA TERENGGANU

📅 2018 - 2021

FELLOW

UNIVERSITI MALAYSIA TERENGGANU

📅 2008 - 2011

R&D ENGINEER

Panasonic H.A. Air Conditioning R&D (M) Sdn Bhd

📅 2007 - 2008

MECHANICAL ENGINEER

Monitoring and Diagnostics Technology Sdn Bhd

📅 2006 - 2007

EDUCATION

DOCTOR OF PHILOSOPHY (PHD) IN

MECHANICAL ENGINEERING

2008 - 2011

📍 University of New South Wales at the Australian Defence Force Academy, Australia

BACHELOR OF ENGINEERING (BENG) IN

MECHANICAL ENGINEERING

2002 - 2006

📍 Universiti Malaya, Malaysia

PROFESSIONAL QUALIFICATIONS

BOARD OF ENGINEERS MALAYSIA (BEM):

REGISTERED AS A GRADUATE ENGINEER

(G115938)

2012 - PRESENT

INTERNATIONAL ASSOCIATION OF

ENGINEERS (IAENG)

2018 - PRESENT

IEEE OCEAN ENGINEERING SOCIETY

2018 - PRESENT

PROJECTS

INDUSTRY PROJECTS

● PETRONAS Weather Metocean System

ROLE: Principal Consultant, Project Manager,
Lead Programmer

AMOUNT: RM229,000

2024 - 2025

● PETRONAS Underwater Robot Simulator

ROLE: Principal Consultant, Project Manager,
Lead Programmer

AMOUNT: RM128,800

2023 - 2024

● PETRONAS iOS/Android App Development

ROLE: Principal Consultant, Project Manager,
Lead Programmer

AMOUNT: RM184,700

2022

RESEARCH GRANTS & PROTOTYPE DEVELOPMENT

● Prototype Research Grant Scheme (PRGS) - Ship

Simulator Development

ROLE: Lead Researcher

AMOUNT: RM184,700

2022 - 2023

● Identification of Novel AUV Designs

ROLE: Lead Researcher

AMOUNT: RM81,200

2014 - 2017

● 3UG: Prototyping of U-Model Unmanned

Underwater Glider

ROLE: Co-Researcher

AMOUNT: RM90,000

2017 - 2019

● Higher Ordered Type-2 Fuzzy Logic Decision

Making in Ocean Engineering

ROLE: Co-Researcher

AMOUNT: RM51,600

2014 - 2016

ACHIEVEMENTS

• 2016 2019

Awarded the Anugerah Perkhidmatan Cemerlang for four consecutive years

• 2021 - 2024

Founded VSG Labs Sdn Bhd, an engineering firm affiliated with UMT, achieving 80% profit in its first year