

## **Engr. Yousef Bin-Hasan**

### **Teaching Assistant of Marine Engineering Technology**

#### **Education:**

2012, B.Eng., University of Leeds, Mechanical Engineering, United Kingdom.  
2013, M.Sc., University of Leeds, Advanced Mechanical Engineering, United Kingdom.  
2025, M.Sc., University of Strathclyde, Advanced Naval Architecture, United Kingdom.

#### **Number of years of service on this faculty:**

3 Months

#### **Other related experience:**

2013 – 2016 Engineer in Projects Supervision Unit – Kuwait Fire Service Directorate.  
2016 – 2024 Teaching Assistant of Mechanical Engineering – Kuwait University.  
2025 – Present Teaching Assistant of Marine Engineering Technology – PAAET.

#### **Teaching interests:**

Fundamentals of Thermodynamics, Engineering Thermodynamics II, Internal Combustion Engines, Applied Numerical Methods and Programming in Engineering, Material Science and Metallurgy, Fluid Mechanics, Computer-Aided Design and Finite Elements, Heat Transfer, Air conditioning and Refrigeration systems, Fundamentals of Seawater Desalination, Energy Conversion and Utilization Systems, Advanced Mathematical Analysis in Engineering, Computational Fluid Dynamics.

#### **Courses taught at PAAET:**

Material Technology, Marine Diesel Power Plants (1), Auxiliary Machinery, Corrosion Protections and Monitoring, Technical Drawing for Marine Engineering.

#### **Research interests:**

Tribology, Computational Fluid Dynamics, Numerical Simulation of Engineering Systems.

#### **Principal publications of last five years:**

#### **Scientific and professional societies of which a member:**

The Royal Institution of Naval Architects (RINA) – United Kingdom.

#### **Honors and awards:**

Dean's List of Excellence and Distinctive Performance 2025 – University of Strathclyde.

#### **Institutional service in last five years:**

1. 2025 Member and Secretary of the Student Academic Advising Committee.
2. 2025 Member and Secretary of the Laboratories and Workshops Committee.
3. 2025 Member and Secretary of the Field Training Committee.

#### **Professional service in last five years:**

1. Collaborated on planning and executing laboratory infrastructure and equipment acquisitions for the newly established Shadadiya campus of Kuwait University. This included the educational and the research laboratories of Seawater Desalination and Internal Combustion Engines sub-disciplines.

#### **Professional development activities in last five years:**