Dr Farraj Aldaihani

Farraj SH. M. Aldaihani, Assistant Professor of Automotive and Marine Engineering Technology

Education:
Diplom: Mechanical engineering, power, College of technological studies, Kuwait, 95.
B.C: Mechanical engineering, Arab Academy, Egypt, 2001.
M.Sc: Automotive engineering, University of Coventry, UK, 2004.
PhD: Management of Projects, University of Manchester, UK, 2017.

Number of years of service on this faculty:
2004- 2018 Assistant Teacher &Assistant Professor of Automotive and Marine Engineering Technology.

Other related experience:
Refinery operator : Kuwait national petroleum company, Shyaiba refinery, 1989- 1995.
Mechanical engineer assistance: health ministry, 1995- 2001.
Mechanical engineer: health ministry, 2001- 2003.
Assistant Professor &Assistant Professor: The Public Authority for Applied Education and Training, college of technological studies, automotive& marine department, 2004- now.

Teaching interests:
Engineering Drawing, General Phasic, Computer science, Fluid Mechanics, Thermodynamics, Internal combustion engines technology, Engineering Mechanics, Automotive diagnosis. Automotive Pollution, Marine Diesel Engines, Steam Engineering, Ship propulsion, Marine Auxiliary, Ship Systems, Automotive Maintenance, Automatic Control, Safety, Transportation Management.

Courses taught at PAAET:
Engineering Drawing, Computer science, Fluid Mechanics, Thermodynamics, Naval Architecture and Ship Building, Shipyard technology. Marine Pollution, Marine Diesel Engines, Ship Systems, Ship Maintenance, Automatic Control, Marine Safety.

Research interests:

Decisions optimisation, Multi-objectives, and Fuzzy Environment.

Principal publications of last five years:
1. Design and select air conditioning system in Kuwait, BSc. Eng, Arab Academy for Science Technology and Maritime Transport, 2001
2. Emission control for internal combustion engines, Coventry University, MSc Dissertation, September 2004
3. Vehicle replacement problem via fuzzy multi-objective integer programming, University of Manchester, PhD Dissertation, September 2017
4. F. Aldaihani, D. Ling, and R. Kirkham, "Binary Integer Algorithm for Solving Capital Assets Replacement Problem, 2010

Scientific and professional societies of which a member:
1. Society of engineers, Kuwait.
2. Society of faculty members, Kuwait.