Department of Mechanical Engineering
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Dr. Mohammad Mashud
Professor
Research Area Aerodynamics

Biography

I am a distinguished aerospace and mechanical engineering professional. With an impressive career, I have been a professor in the Department of Mechanical Engineering at Khulna University of Engineering & Technology (KUET) for over 25 years, showcasing exceptional expertise and dedication. I also served as a research fellow at the NASA-Supported Aerospace Center, UTEP, USA. During my tenure at KUET, I excelled in teaching undergraduate and graduate courses; I conducted courses at the USA university as well, conducting courses independently with a strong commitment to academic excellence. I supervised over 110 students in their research projects, fostering research and academic growth in mechanical engineering. Passionate about research, I have been involved in multiple research projects and gained extensive knowledge in Aerodynamics, Fluid Mechanics (especially flow separation control), Renewable energy & energy harvesting, and Heat transfer, which I share through teaching and research. My proficiency in developing mathematical models and solving real-world challenges using simulation platforms makes me valuable in consultancy and testing services. As an accomplished researcher, I authored five books/chapters and published 143 numbers peer-reviewed articles in renowned journals & proceedings, earning six nationally and internationally competitive research grants. My contributions extend to serving as Editor-in-Chief of a Peer-reviewed International Journal and actively participating as a reviewer for top-quality journals. Beyond academia, I displayed leadership qualities as Chairman and Secretary of CRTS at KUET, collaborating with industrial partners. Demonstrating administrative prowess as the Chairman of the Department and Provost in the student residence of KUET. Driven by an unwavering dedication to advancing Mechanical and Aerospace Engineering, I continue to inspire and shape the future of the engineering community through my vast knowledge and research prowess.

Education

Doctor of Engineering
Nagoya University,Japan(2006)
Master of Engineering
Nagoya University,Japan(2003)
B. Sc. in Mechanical Engineering
Khulna University of Engineering & Technology,Bangladesh(1998)Group: Mechanical Engineering,

Service Records

- **Lecturer**
  Department/Section: Mechanical Engineering
  Khulna University of Engineering & Technology *From 09-05-1999 to 14-06-2003*
- **Assistant Professor**
  Department/Section: Mechanical Engineering
  Khulna University of Engineering & Technology *From 15-06-2003 to 11-07-2009*
- **Associate Professor**
  Department/Section: Mechanical Engineering
  Khulna University of Engineering & Technology *From 12-07-2009 to 27-07-2011*
- **Professor**
  Department/Section: Mechanical Engineering
  Khulna University of Engineering & Technology *From 28-07-2011 to 01-01-1970*

Research Interest

Aerodynamics
Fluid Mechanics; specially Flow Separation Control - Aerodynamics
Inflatable Wings
Unmanned Aerial Vehicles
Renewable Energy
Energy Conver

Publication

Books

1. Rahman,M. M. ,Mashud,M. and Rahman,M. M. (June 2023) ," Advanced Technology in Textiles: Fibre to Apparel", ***Advanced Technology in Textiles: Fibre to Apparel*** , ISBN:978-981-99-2141-6,Springer Nature

Journals

1. Ali,M. H. , Mashud,M. , Rubel,M. R. and Ahmad,R. H. (2013) , " Biodiesel from Neem Oil as an Alternative Fuel for Diesel Engine," ***Procedia Engineering***, Elsevier, vol56, pp.625-630

Conference

1. (2024) , "Title," ***Conference Name*** , ISBN:DOI, Publisher, volVolume, DOI:DOI