Department of Mechanical Engineering
Khulna University of Engineering & Technology
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Md. Shariful Islam
Assistant Professor
Research Area Strength of Materials
Thermo-Fluid Renewable Energy

Biography

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Education

Master of Science in Mechanical Engineering
Khulna University of Engineering & Technology,Bangladesh(2017-2019)
Thesis Title: **Strength and Failure Analysis of Steel I-Beam Strengthened with CFRP at Bottom Flange**
Bachelor of Science in Mechanical Engineering, B.Sc. (ME)
Khulna University of Engineering & Technology,Bangladesh(2013-2017)Achievement:Prime Minister Gold Medal, University Gold Medal, Deans Award
Higher Secondary School Certificate, HSC
Institute: New Govt. Degree College, Rajshahi,Bangladesh, Passing Year(2012)Group: Science,Student Type:Regular,
Dakhil
Institute: Shyampur Darus Sunnah Alim Madrasah,Bangladesh, Passing Year(2010)Group: Science,Student Type:Regular,

Service Records

- **Assistant Professor**
  Department/Section: Mechanical Engineering
  Khulna University of Engineering & Technology (KUET) *From 01-01-1970 to 01-01-1970*
  Working Area:Teaching
  Responsibility:Teaching, Advising, and Supervising Students
- **Testing Officer**
  Department/Section: ME CRTS
  KUET_ME CRTS *From 01-01-1970 to 01-01-1970*
  Working Area:Consultancy, Testing, Research
  Responsibility:Testing
- **Lecturer**
  Department/Section: Mechanical Engineering
  Khulna University of Engineering & Technology (KUET) *From 01-01-1970 to 01-01-1970*
  Working Area:Teaching

Research Interest

Strength of Materials
Strengthening of beam using CFRP
Fatigue performance of CFRP strengthened beam

Thermo-Fluid
Buoyancy Driven Flow
Multiphase flow
CFD

Renewable Energy
Bio-Fuel Generation from green solid waste

Publication

Books

Journals

2. Islam,M. S. and Hasib,M. A. (2020) , " Effect of Slenderness Ratio on Fatigue Life of CFRP Strengthened Steel I-Beam ," ***International Journal of Engineering & Applied Sciences (IJEAS)***, DergiPark AKADEMIK, vol12, no.2, pp.70-77

1. (2019) , " NUMERICAL STUDY OF NATURAL CONVECTION HEAT TRANSFER IN PARTIALLY HEATED SQUARE ENCLOSURE FILLED WITH NANOFLUID," ***Mechanical Engineering Research Journal***, vol11, no.1, pp.25â€“31

Conference

4. Islam,M. S. and Hasib,M. A. (17-19 December, 2019) , "Flexural Strengthening of Steel I-Beam with Carbon Fiber Reinforced Polymer," ***4th International Conference on Mechanical, Industrial and Materials Engineering (ICMIME2019)***

3. Islam,M. S. and Hasib,M. A. (11-13 December, 2019) , "Numerical Study of Strength And Failure Analysis of Steel I-beam Strengthened with CFRP At Bottom Flange," ***5th International Conference on Mechanical Engineering and Renewable Energy (ICMERE 2019)***

2. Islam,M. S. and Inam,M. I. (23-24 December, 2018) , "Effect of Nano Particle and Aspect Ratio in Natural Convection Heat Transfer in a Rectangular Enclosure: A Numerical Analysis," ***5th International Conference on Mechanical, Industrial and Energy Engineering (ICMIEE 2018)***