

## Hafijur Rahman

Lecturer, Department of Mechanical Engineering,

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### Academics

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- ***Bachelor of Science in Mechanical Engineering*** *October 2009*  
Bangladesh University of Engineering and Technology, Dhaka, Bangladesh.  
Thesis Title: *Theoretical Investigation of the Performance of Vertical-axis Darrieus Wind Turbine and Modification of a Rubber Tensile Testing Machine.*  
Thesis Supervisor: Prof. Dr. A. C. Mandal, Dept. of Mechanical Engineering, BUET, Dhaka.

### Research Experience

- *Theoretical Investigation of the Performance of Vertical-axis Darrieus Wind Turbine and Modification of a Rubber Tensile Testing Machine.* *August 2008 - September 2009*
- *A Potential Function Based Analytical Model for Predicting Displacements and Stresses in Simply-Supported Deep Beams* *May 2010- Present*

### Professional Experience

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- **Lecturer**, Department of Mechanical Engineering, *November 2009 -resent*  
Bangladesh University of Engineering and Technology, Dhaka, Bangladesh.
- Courses offered so far  
**Sessional Courses**  
Fluid Mechanics Sessional  
Mechanical Engineering Drawing I & II  
Computer Programming Language Sessional  
Numerical Analysis Sessional
- Major responsibility includes, lecturing courses and conducting experimental labs of undergraduate students.
- Trainee Engineer, Lafarge-Surma Cement Ltd., Chatak, Bangladesh. *July 2008- August 2008*

### Awards/Honors

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- Completed B.Sc. in Mechanical Engineering degree with **Honors**.
- Awarded **University Merit Scholarship** for all eight semesters while studying B. Sc. Engineering in the Department of Mechanical Engineering, Bangladesh University of Engineering and Technology.
- Awarded **Dean's Scholarship** for four years while studying B. Sc. Engineering in the Department of Mechanical Engineering, Bangladesh University of Engineering and Technology.
- **Technical Scholarship** for engineering education in Bangladesh
- Awarded **Junior Scholarship** granted by Government of Bangladesh 1999.

## Computer Skills

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- **Modeling Softwares:** ANSYS
- **Programming- Language:** Visual C, MATLAB, JAVA, FORTRAN 90
- **Computer Aided Design:** AutoCad 2D & 3D
- **Operating System:** Microsoft Windows, LINUX.
- **Others:** Microsoft office package, Adobe Photoshop, Illustrator.

## Publications

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- H. Rahman, R. M. Sahidullah, M. I. Rakib and A. C. Mandal “*Performance of the vertical-axis Darrieus Wind Turbine Based on Cascade Theory and Multiple Stream tube Theory*: "13<sup>th</sup> Annual Paper Meet", IEB, Dhaka, Bangladesh, 25 September, 2010 .

## Conferences/Workshop

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- Attended on *8th International Conference on Mechanical Engineering, ICME 2009*, Dhaka, Bangladesh. 27-29 December, 2009
- Attended a short course on Machine and Vibration Control jointly organized by the Department of Mechanical Engineering, BUET and BUET-SIDA project. 24-25May, 2010
- Attended on “*Teachers Appreciation Workshop*” a two day long workshop on methodology of teaching held at BUET, Dhaka, Bangladesh. 11-12 June 2010

## Extra-Curricular Activities

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- Worked as a member of the Publication, Logistic Subcommittee of the *8<sup>th</sup> International Conference on Mechanical Engineering 2009(ICME 2009)*, 26-28 December 2009, Dhaka, Bangladesh.
- Refreshment Secretary (Present) of BUET Teachers Association.
- Worked as a member of the Exhibition Subcommittee of the 10<sup>th</sup> convocation of BUET, 3<sup>rd</sup> February, 2011

## Membership

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- Member, Board of Undergraduate Studies (BUGS), Department of Mechanical Engineering, BUET.

## References

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**Dr. A. C. Mandal**

**Professor**

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**Dr. S. Reaz Ahmed**

**Professor**

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