

Name Mr Mafidur Rahman
Designation Associate Professor
Department Mechanical Engineering, Jorhat Engineering College, Jorhat-785007, Assam



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Area of Specialization: Machine Design

Educational Qualification:

PhD Pursuing under Dibrugarh University
M.Tech Specialization: Machine Design
Department of Mechanical Engineering,
Indian Institute of Technology, Guwahati, 2013
BE Mechanical Engineering,
Jorhat Engineering College, Jorhat-785007, Assam, 1995

Professional Experience:

2007-2024: Presently as an Associate Professor, Mechanical Engineering Department, Jorhat Engineering College, Jorhat.

Courses Taught:

Engineering Graphics, Applied Thermodynamics, Mechanics of Materials, Industrial Organisation, Manufacturing Science-I, Manufacturing Science-II, Manufacturing Methods

Projects guided:

UG: More than 40
PG: 03

Publication:

List of Publications:

1. Rahman, M., Rabha, D.K., & Nath, T. The performance analysis of Hydraulic Ram Pump: Influence of specific parameters and validation with Comsol-Multiphysics, (2023). International Journal of Experimental Research and Review, 32, 216-234. <https://doi.org/10.52756/ijerr.2023.v32.019>
2. Rahman, M., Rabha, D., K., & Nath, T. Influence of the pressure chamber volume on the performance of Hydraulic ram pump efficiency, (2020). 3rd National Conference on Recent Advances in Science and Technology (NCRASST-2020) conducted by Assam Science and Technology University.
3. Rahman, M., Rabha, D., K. Influence of the Waste Valve Height on the Performance of Hydraulic Ram Pump, (2020) Recent Advancements and Emerging Challenges in Science and Technology for Sustainable Development (RESTS -2020) under the Twin program of Dibrugarh University Institute of Engineering and Technology (D.U.I.E.T.) and Panjab University.
4. Dhruvad Sarma, Monotosh Das, Bipul Brahma, Deepak Pandwar, Sermirlong Rongphar, Mafidur Rahman, "Investigation and parameter optimization of a hydraulic ram pump using taguchi method"- Journal of The Institution of Engineers (India): Series C, ISSN:2250-0553pp: 551-559.
5. Sajjad Hussain, Mafidur Rahman, Thuleshwar Nath, "Development of an aggregate planning model for the Assam Bell Metal Co-Operative Society" -International Journal of Engineering Trends and Technology (IJETT)- September 2015 Volume 27, Number 5, ISSN: 2231-5381, pp: 261-268
6. Natesan Sivaramakrishnan, Kumar Gaurav, Kalita Karuna, Rahman Mafidur, "Unbalance Detection in Flexible Rotor Using Bridge Configured Winding Based Induction Motor"-Proceedings of the 1st International and 16th National Conference on Machines and Mechanisms (iNaCoMM2013), IIT Roorkee, India, Dec 18-20 2013, pp:312-317