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RESEARCH INTEREST	Material Science, Renewable Energy, Energy Storage, Nanomaterials, Automation & Advance Manufacturing.	
ACADEMIC QUALIFICATION	Khulna University of Engineering and Technology , Khulna, Bangladesh. B.Sc. Mechanical Engineering , September, 2013 - Thesis Title: “ <i>Prospect of Rice Bran for Biodiesel Production in Bangladesh</i> ” - Supervisor: Assoc. Prof. Dr. Md. Abdul Wakil - Courses: Fluid Mechanics, Heat Transfer, Engineering Mechanics, Engineering Metallurgy, Thermodynamics, Aerodynamics & Automobile Engineering University of Dhaka , Dhaka, Bangladesh MBA , International Business, December, 2021 - Thesis Title: “A study on customer’s attitude and perception towards Bangla keyboard app in mobile devices” - Supervisor: Assoc. Prof. Dr. Auditi Shams	
CONFERENCE PUBLICATION	Ahmed Probudha Hasan, Md. Abdul Wakil, Md. Abdullahil Kafy. -“ Prospect of Rice Bran for Biodiesel Production in Bangladesh ” 10th International Conference on Mechanical Engineering (ICME 2013); 20 – 21 June, 2014, BUET, Dhaka, Bangladesh Ahmed Faiyaz Hasan; Hozaiif UI Masud; Tansif Anzar; Probudha Hasan – “ Hand Gesture Recognition Based on Surface Electromyogram Signal (sEMG) with Muscular Contraction Level and Real Time Implementation on An Artificial Prosthetic Wrist Using Artificial Neural Network (ANN) ” 2020 IEEE Region 10 Symposium (TENSYP); 5-7 June 2020, Dhaka, Bangladesh.	
PROFESSIONAL EXPERIENCE & RESPONSIBILITY	Assistant General Manager Operation July 2022 – Currently Continuing PRAN Group, Bangladesh a) Assessments of mechanical systems of Machine and parts, electrical and other systems, in accordance with inspection protocols and proper guidelines. b) Field inspections to identify defects at system and component level. Recommend potential interventions to improve overall condition and meet benchmark performance requirements. c) Prepare detailed reports to support condition assessment findings and certify inspection results against applicable rule. d) Planning for new capital investment, ordering and erection of the plan & machineries, performance enhancement for the existing system. Etc. Senior Manager Operation December 2016 – 2022 Sajeeb Group, Bangladesh a) Quantitatively adhere project goals and fragment project goals into sub-departmental goals. b) Laying down basic policies, procedures, rules, programs, budget, strategy and schedules to keep the work moving toward the objectives. c) Engaged in research, investigations, studies, examinations and testing related to the functions or activities of the Capital Investment Team etc. Deputy Manager Operation September 2013 – 2016 PRAN Group, Bangladesh a) Maintaining cost effective operation to ensure proper utilization of utility. b) Help formulating critical control point (CCP) standardization for quality control and monitor the KPI. c) Formulate plan to meet the demand of internal and external demand especially the voice of consumer (VOC).	

OTHER PROJECT WORK	<p>“Feasibility Study for Construction of Modern Rice Mills along with Drying & Storage Facilities at Jhalakati, Bogra, Barishal, Bhola, Sylhet, and Faridpur.”</p> <p>Client: People Republic of Bangladesh Government (Ministry of Food)</p> <p>a) Development of the architectural and structural design of the Rice Mills along with Silo Foundation, Drying, Weighing Systems, Fire Safety, Generator, ETP etc.</p> <p>b) Formulating an estimation for the total cost of installation</p> <p>c) Determination of the technology to be implemented in the Rice Mill</p> <p>d) Formulation of DPP & Economic cost analysis etc.</p>	
TRAININGS	<p>a) Technical Training for Mechanical Engineers -Total 21 days by- Bangladesh Industrial & Technical Assistance Center (BITAC), Dhaka.</p> <p>b) Field Technical Training for Mechanical Engineers - Total 7 days by - Bangladesh Steel Re-Rolling Mills Limited (BSRM).</p> <p>c) e-Learning Course on Green Productivity- Total 3 days by – Asian Productivity Organization.</p> <p>d) Enhancing Quality Through KAIZEN- Total 1 day by - Bangladesh Society for Total Quality Management (BSTQM) etc.</p>	
CORE COMPETENCIES	<p>Technical Knowledge</p> <p>Language:</p> <p>Software Platform:</p>	<p>Process design and drawing, performance analysis, System Modeling, Fire Detection & Protection System.</p> <p>C++, FORTRAN, Python</p> <p>AutoCAD 2D, SolidWorks, Adobe Photoshop & Illustrator,</p>
WORKSHOP AND CONFERENCE	<ul style="list-style-type: none"> - 3rd International Conference on Mechanical, Industrial & Energy Engineering (ICMIEE) - Fundamentals of technological innovation in Organizations - Industrial safety Management 	
ORGANIZING	<ul style="list-style-type: none"> - Ex-organizer for Astro-Olympiad in KUET & Khulna area (for year 2010, 2011 & 2012) - Arranged several workshops as an elected Assistant Seminar secretary of Mechanical Association as well as organized and enhanced the Mechanical Association Library - Organized, designed & Erection of the Local Area Network (LAN) in University Hall. 	
PERSONAL INTEREST	Bicycling and Hiking.	
STANDARDIZED TEST	<p>GRE</p> <p>TOEFL</p>	<p>298 (Quant 156, Verbal 142), AWA: 2.5</p> <p>94 out of 120 (Reading 26, Listening 25, Speaking 23, Writing 20.)</p>
REFERENCES	<p>a) Dr. Md. Abdul Wakil Associate Professor Dept. of Mechanical Engineering Khulna University of Engineering and Technology, Khulna, Bangladesh. Khulna - 9203, Bangladesh. Phone: +8801724822581, email: wakil@me.kuet.ac.bd;</p> <p>b) Dr. Md. Hasan Ali Associate Professor Department of Energy Science and Engineering Khulna University of Engineering and Technology, Khulna, Bangladesh. Khulna - 9203, Bangladesh. Phone: +8801741198322, email: hasan@ese.kuet.ac.bd</p> <p>c) Dr. Md. Arifuzzaman Associate Professor Dept. of Mechanical Engineering Khulna University of Engineering and Technology, Khulna, Bangladesh. Khulna - 9203, Bangladesh. Phone: +8801710429727, email: arif48@me.kuet.ac.bd</p>	