

NITER



Raihan Ahmed Joy

Industrial and Production Engineering

Bio

This is Raihan Ahmed Joy, Asst. Prof. of Industrial and Production Engineering at the National Institute of Textile Engineering and Research (NITER) in Bangladesh. His current research looks at the Green Economy and the Sustainability of Supply Chain. He is pursuing his MSc in Industrial and Production Engineering from Bangladesh University of Engineering and Technology and has completed BSc in Industrial and Production Engineering from Khulna University of Engineering and Technology. His research interests span in many areas such as Computer Integrated Manufacturing, Operations Management, Supply Chain Management and Quality Management. He has enormous interest in the field of Case Study and Debate related workings as he has huge experience in these fields.

Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
MSc	Industrial and Production Engineering	Bangladesh University of Engineering and Technology (BUET)	Bangladesh	Ongoing
BSc	Industrial and Production Engineering	Khulna University of Engineering and Technology (KUET)	Bangladesh	2019
HSC	Adamjee Cantonment College	Dhaka	Bangladesh	2014
SSC	BAF Shaheen College Kurmitola	Dhaka	Bangladesh	2012

Experience

Job Title	Organization	Location	From Date	To Date
Asst. Prof.	NITER	Nayarhat, Savar, Dhaka	31/03/2024	Ongoing
Lecturer	National Institute of Textile Engineering and Research (NITER)	Nayarhat, Savar, Dhaka	08/03/2020	30/03/2024

Research Activities

Research Interest

Subject	Description	Research Interest (Goal/ Target Indicator)
Computer Integrated Manufacturing	Cellular Manufacturing System (CMS) & Group Technology (GT)	Optimize time and Cost. Also improving Productivity.
Operations Management	Forecasting, Scheduling, Inventory Model Analysis	Reduce the defects and Profit Maximization
Supply Chain Management	Planning and Managing Inventory, Transportation Policies and Models	Green and Sustainable Supply Chain Management Creation
Quality Management	Control & Improvement	Improve the Quality as much as possible

Project/Research Supervision

Level of Study	Title	Supervisor	Co-Supervisor(s)	Name of Student(s)	Area of Research	Current Completion
BSc	Improving Quality, Productivity and Cost Aspects of a Sewing Line of Apparel Industry using TQM Approach	Raihan Ahmed Joy		1. Md Sulaiman Hawlader 2. Md. Rafayat Hossain 3. Shariful Islam Shamim 4. Hosen Mahmud	Total Quality Management (TQM)	Completed
BSc	The Financial Impact of COVID-19 on Small and Medium Enterprises and Path of their Recovery	Raihan Ahmed Joy	Md. Saifur Rahman	1. Khandaker Rafi Uddin 2. Sheikh Fahim Shahriar 3. Minhazul Islam 4. Marjanul Islam	Impact analysis of COVID 19 on SME	Completed

Project/Research Work

Subject	Project Name	Source of Fund	From Date	To Date	Collaboration
Design and implementation of Vehicle Location Tracking System developing Android Application.	Vehicle Location Tracking System Development	University	2018	2018	
Development of a PLC	PLC Based	University	2019	2019	

Based Pneumatic Product Sorting System	Pneumatic Product Sorting System			
Planning Development and Quality Management System (PDQMS)	Planning Development and Quality Management System (PDQMS)	Brothers Furniture	2018	2018

Membership

Collaboration & Membership Name	Type	Membership Year	Expire Year
Former President	IEOM KUET Chapter	2018	2019
Member	IEOM (Industrial Engineering and Operations Management) Society International	2018	Till Now
Member	Bangladesh Debate Federation (BDF)	2019	Till Now

Publications

Conference Proceedings

SL. No-	Paper Name	Link
1	Feasibility Study of Cellular Manufacturing System in a Wooden Furniture Industry: A Case Study	http://ieomsociety.org/detroit2020/proceedings/ (Secured First Place)

Award

Award Type	Title	Year	Country	Description
Supply Chain Case Contest Winner 2019	ISCEA PTAK 2019 Winner	2019	Bangladesh	Every year based Supply Chain Case Contest and was awarded Supply Chain Case Contest Winner 2019.
Deans Award in	Deans Award	2015-2019	Bangladesh	Deans award is given for doing outstanding result in academic

BSc				career.
Government Scholarship in SSC	Government Scholarship	2012	Bangladesh	Ministry of Education, Bangladesh
Government Scholarship in HSC	Government Scholarship	2014	Bangladesh	Ministry of Education, Bangladesh
Talent Pool Scholarship	Junior Scholarship	2010	Bangladesh	

Contact

Academic

Mail: rajoy@niter.edu.bd , raihanahmed221@gmail.com

Contact: 01521495287

Institute – Faculty

Name of the Department: Industrial and Production Engineering (IPE)

Position: Asst. Prof.