

NITER



Oyshik Bhowmik

Industrial & Production Engineering

Bio

This is Oyshik Bhowmik. I have been serving as a lecturer at the National Institute of Textile Engineering & Research (NITER) since May 2023. I received my BSc degree in Industrial & Production Engineering from Khulna University of Engineering and Technology, KUET (2022). My research interests include optimization under uncertainty, discrete-event simulation, Monte Carlo simulation, system dynamics modeling, and machine learning.

Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
BSc	IPE	KUET	Bangladesh	2022
HSC	Science	Chattogram	Bangladesh	2016
SSC	Science	Chattogram	Bangladesh	2014

Experience

Job Title	Organization	Location	From Date	To Date
Lecturer	NITER	Nayarhat, Savar, Dhaka	02/05/2023	Present

Research Activities

Research Interest

Subject	Description	Research Interest (Goal/ Target Indicator)
Optimization	Also known as mathematical programming, a collection of mathematical principles and methods used to identify the extreme value of an objective function.	Cost minimization of supply chain network; Route optimization of the last-mile delivery system; Optimization under uncertainty.
Machine Learning	The subfield of artificial intelligence, known as machine learning gives computers the ability to learn without being explicitly programmed.	Forecasting of demand; Pattern identification; Determining the influence of different factors in a system.
Simulation	Simulation is the imitation of the operation of a real-world system or process over time, which requires the use of models to describe the performance of a process or system for some definite variables.	Identification of the performance of a process/ system.
Data analysis	A procedure for collecting unstructured data and then transforming it into useful information for user decision-making, answering questions, and testing hypotheses.	Cleaning and statistical analysis of data.

Project/Research Work

Subject	Project Name	Source of Fund	From Date	To Date	Collaboration
Thesis	Supply chain network design: an MILP and Monte Carlo simulation approach	KUET	Oct 2020	April 2022	
Project	Development of anthropometric database for Bangladeshi students aged 6-25 years	KUET	March 2021	March 2022	

Award

Award Type	Title	Year	Country	Description
Academic	Deans award			My name is recognized in the Dean's list of the Faculty of Mechanical Engineering for outstanding academic performance with a CGPA of 3.88 out of 4.00 in the Fourth Year Examination of Academic Session 2019-2020.
Academic	Deans award			My name is recognized in the Dean's list of the Faculty of Mechanical Engineering for outstanding academic performance with a CGPA of 3.77 out of 4.00 in the Third Year Examination of Academic Session 2018-2019.
Academic	Deans award			My name is recognized in the Dean's list of the Faculty of Mechanical Engineering for outstanding academic performance with a CGPA of 3.89 out of 4.00 in the Second Year Examination of Academic Session 2017-2018.

Contact

Academic

Mail: obhowmik@niter.edu.bd; oyshik.bhowmik41@gmail.com

Contact: 01778883981; 01521402005

Institute – Faculty

Name of the Department: Department of Industrial & Production Engineering

Position: Lecturer