NITER

# Md. Hasin Arman

Industrial Production Engineering

## Bio

Md. Hasin Arman is an engineer in the field of Industrial and Production Engineering. Currently he is serving as a Lecturer in the Department of Industrial and Production Engineering at NITER, University of Dhaka. Previously he served as a Research and Development Officer at T.K. group of industries. He obtained his B.Sc. engineering degree in Industrial and Production Engineering from Bangladesh Army University of Science and Technology (BAUST) and is pursuing his M.Sc. engineering in Industrial and Production Engineering at Bangladesh University of Engineering and Technology, (BUET). With a strong academic background, he has achieved academic excellence awards at the University level. Mr. Hasin is passionate about teaching and is committed to imparting knowledge and skills to his students.

## Education

| Degree Name | Group/Major Subject | Board/Institute | Country | Passing Year |
|---|---|---|---|---|
| **M.Sc engg. in IPE** | Industrial & Production Engineering | Bangladesh University of Engineering and Technology (BUET) | Bangladesh | Ongoing |
| **B.Sc engg. in IPE** | Industrial & Production Engineering | Bangladesh Army University of Science and Technology (BAUST) | Bangladesh | 2021 |

## Experience

| Job Title | Organization | Location | From Date | To Date |
|---|---|---|---|---|
| **Lecturer** | NITER, University of Dhaka | Nayarhat, Savar, Dhaka | 02/05/2023 | Present |
| **Research and Development Officer** | T.K. Group of Industries | Munshiganj | 25/01/2022 | 25/07/2022 |

## Research Activities

### Research Interest

| Subject | Description | Research Interest (Goal/ Target Indication) |
|---|---|---|
| **Artificial Intelligence and Machine learning** | Artificial Intelligence (AI) and Machine Learning (ML) are two closely related fields within the broader field of computer science. They deal with the development and application of algorithms and models that enable computers or systems to exhibit intelligent behavior and learn from data without being explicitly programmed. | N/A |
| **Operations Management** | Operations Management is a field of study and practice that focuses on planning, organizing, and controlling the processes and activities involved in the production of goods and services within an organization. It involves overseeing the transformation of inputs (such as materials, labor, and capital) into outputs (products or services) effectively and efficiently.<br><br>The primary goal of operations management is to optimize the use of resources, improve productivity, and ensure the delivery of high-quality products or services to meet customer demands. It involves making strategic decisions and implementing operational strategies to achieve operational excellence and gain a competitive advantage in the market. | N/A |
| **Supply Chain Management** | Supply Chain Management (SCM) refers to the coordination and integration of all activities involved in the production and distribution of goods and services, from raw material acquisition to final delivery to the end customer. It encompasses the planning, sourcing, manufacturing, logistics, and customer service aspects of a product's journey from its inception to consumption.<br><br>The primary goal of supply chain management is to create a seamless, efficient, and cost-effective network that delivers products or services to customers in a timely manner while meeting their quality and service expectations. It involves managing the flow of materials, information, and finances across the entire supply chain, which typically includes suppliers, manufacturers, distributors, retailers, and | N/A |

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|---|---|---|
| | end customers. | |
| **Manufacturing process and Materials Engineering** | Manufacturing Process Engineering and Materials Engineering are two interconnected disciplines that play crucial roles in the design, development, and production of products. They involve understanding and applying the principles of materials science, engineering design, and manufacturing processes to create efficient and high-quality products.<br>Manufacturing Process Engineering focuses on the selection, design, and optimization of manufacturing processes to transform raw materials or components into finished products. It involves analyzing the entire production process, identifying bottlenecks, improving efficiency, and ensuring cost-effectiveness. | N/A |

## Project/Research Work

| Subject | Project Name | Source of Fund | From Date | To Date | Collaboration |
|---|---|---|---|---|---|
| **Optimization** | Solving Traveling Salesman Problem with Heuristics Approaches | University | 2020 | 2021 | N/A |
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## Award

| Award Type | Title | Year | Country | Description |
|---|---|---|---|---|
| Academic Excellence Awards | Academic Excellence Awards organized by Bangladesh Army University of Science and Technology | 2017 | Bangladesh | Academic Excellence Awards are recognition given to individuals who have demonstrated outstanding academic performance and achievements. |
| Academic Excellence Awards | Academic Excellence Awards organized by Bangladesh Army University | 2018 | Bangladesh | Academic Excellence Awards are recognition given to individuals who have demonstrated outstanding academic performance and achievements. |

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|---|---|---|---|---|
| | of Science and Technology | | | |
| Academic Excellence Awards | Academic Excellence Awards organized by Bangladesh Army University of Science and Technology | 2019 | Bangladesh | Academic Excellence Awards are recognition given to individuals who have demonstrated outstanding academic performance and achievements. |
| Academic Excellence Awards | Academic Excellence Awards organized by Bangladesh Army University of Science and Technology | 2020 | Bangladesh | Academic Excellence Awards are recognition given to individuals who have demonstrated outstanding academic performance and achievements. |
| Academic Excellence Awards | Academic Excellence Awards organized by Bangladesh Army University of Science and Technology | 2021 | Bangladesh | Academic Excellence Awards are recognition given to individuals who have demonstrated outstanding academic performance and achievements. |

## Contact

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Institute – Faculty
Name of the Department: Industrial and Production Engineering
Position: Lecturer