



A K M TASFIQ ABEDIN

Industrial Engineer, Data Analyst, Lean Practitioner



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Results-driven industrial engineer with 5+ years of experience in data analysis and project management. Proficient in using statistical analysis software and tools to improve operational efficiency and reduce costs. Track record of successfully completing projects on time and within budget. Proven ability to communicate effectively with cross-functional teams to achieve common goals.

Career Summary

SQUARE FASHIONS LIMITED,

In-charge, Industrial Engineering Department (February, 2020 to Present)

- Developed data management application for mobile platform, which is integrated with website, enabled real time observation, and tracking which reduced the reaction time by 47% and improved the factory efficiency by 2.06%.
- Designed and implemented integrated material flow system between two subsequent departments reduced 71% of end line quality inspectors and created direct impact to company's yearend profit margin.
- Designed a machine learning model with 83% confidence level to predict the manpower demand of different production related department considering the forecasted production quantity.
- Introduced real time material consumption ratio considering the input and output to analyze the wastage percentage and standardize the optimum level of requirements based on different material characteristics which reduced the wastage percentage by 17.04%.

Operation & Planning Coordinator (August, 2019 to January, 2020)

- Changed the scheduling system from the first come first serve to the earliest due date which reduced the annual air freight by 0.79%.

Executive, Industrial Engineering Department (July, 2018 to July, 2019)

- Introduced process engineering and micro motion analysis to identify the non-value-added activities in process with elimination reduced the product minute value by 3.39%.
- Developed advance 5S standardization and auditing system which improved the material management system and reduce the wastage of the organization.

Education

Post Graduate Diploma in Supply chain Management (2019-2020)

- International Supply Chain Education Alliance (ISCEA)
- **Status:** Passed with 87% score.

Higher Secondary Certificate (2012)

- **National Ideal College**
- **CGPA:** 5.00 (out of 5.00)

Bachelor of Science (2013-2017)

Industrial and Production Engineering

- **Ahsanullah University of Science and Technology**
- **CGPA:** 3.545 (out of 4.00)

Secondary School Certificate (2010)

- **Motijheel Govt. Boys High School**
- **CGPA:** 5.00 (out of 5.00)

Professional Certificate

- **Six Sigma: Yellow belt** certification from **Technical University of Munich (TUM), Germany**.
 - Scheduling, Total Productive Maintenance
 - Single Minute Exchange of Die, Overall Equipment Effectiveness
 - Descriptive & Inductive Statistics
 - Process Capability: Yield, PPM, DPMO. Sigma level
 - Design of Six Sigma
- **Microsoft Excel**-from Beginner to Advance from **Udemy**.
 - Functional block building
 - Power Query, DAX, Dashboard designing.
 - Statistical Analysis

Achievement

- Worked six months in **Project XIX** (Student group of **Massachusetts Institute of Technology**) and rewarded for best project development. Project XIX focus on teaching programming language and develop coders around the world.
- Achieved 13.47% manpower optimization across multiple departments using process flow diagram, value stream mapping, and process standardization, resulting in direct profitability improvement.
- Designed and implemented a cross-platform application and website to enable real-time monitoring of production flow, resulting in improved crisis response time and a 17.04% reduction in wastage.

Expertise

Interpersonal Expertise:

- Decision making and problem solving.
- Able to work under pressure.
- Very meticulous and versatile
- Can work independently and as well as a part of team.
- Leadership
- Excellent communication skill
- Negotiation

Technical Expertise:

❖ Programming Language:

- Python, SQL, REACT, REACT Native, C, JavaScript, HTML, CSS
- Machine Learning and Database system

❖ Software Expertise

- MS Office tools
- MS Excel Power Query, DAX, Dashboard Design
- MATLAB
- MiniTab
- Solidworks
- MS Power Bi

References

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