

Haider Ali Bhatti



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Summary

Being an Industrial & Manufacturing Engineer and research enthusiast, I urge to pursue a career where I can use my skills of optimization, statistical analysis, machine learning, project management, operations planning & scheduling, simulation & modelling, manufacturing process and materials analysis & characterization. I urge to utilize my aforementioned skills in the process modelling, prediction & optimization so that the utilization of the entities is increased and efficiency of the system goes up. I am motivated to use the IND 4.0 & IND 5.0 technologies in manufacturing & supply chain operations so that the systems sustainability can be ensured with high profitability in business sectors.

Education

M.Sc. (Industrial Engineering & Management) (CGPA 3.90/4.00)

University of the Punjab, Lahore (Main Quaid-e-Azam Campus) (2022-2024 July)

B.Sc. (Industrial & Manufacturing Engineering) (CGPA 3.671/4.00)

UET, Lahore (Main Campus) (1st rank- 2017-2021)

Intermediate (FSc. Pre-Engineering) (89.81%)

Superior College Kalma Chowk, Lahore, Pakistan. (2015-2017)

Matriculation (90.27%)

Iqra Huffaz Secondary School, Chuburji, Lahore, Pakistan. (2013-2015)

Previous Work Experience

- Worked as an internee at **FAS Tube Mills** and Engineering Pvt. Ltd.
(Performed role in Design & Manufacturing department)
- Worked as Internee in **Qadri Group of industry**
(Performed role on shop floor involve in various manufacturing process)
- Worked as a Trainee Engineer in **Shahkam Textile** industries
(Performed role in Supply Chain department)

Current Job

- Working as an Assistant Manager Manufacturing & Supply Chain operations in spinning department (**07-Feb-2022, Continue till today**) (Yarn manufacturing)
Responsibilities

Production Planning

- Planning of two blended yarn manufacturing mills. Linen, viscose, Tencel, bamboo, hemp, copper, nylon are fibers in use.
- Managing planning of total **55,285 spindles** with **79,000 lbs.** of production. (Cotton + fiber mixed yarn)
- Managing planning of total **77,664 spindles** with **60,000 lbs.** of production (Only 100% Cotton yarn)

Scheduling (Spin plans)

- Preparation of spin plans in which the proper allocation of resources have been determined with minimum lead time to meet customer demand

Research & Development

- Comparative analysis of different input parameters (raw materials, machinery, methods of working) on the output parameters such as yarn strength, appearance, and quality.
- Calculating the OPS, TM, TPI and all other respected specifications that are related to the yarn to meet the quality standards.

Managing Export (Logistics & Transportation)

- Manage the raw material, production, packing material, container load safety measures, container release order and shipment of vessel.

Final Year Project

An investigation on the use of modified dielectric for performance evaluation of Electrical Discharge Machining (Die Sinker)

Complex Engineering Projects

Digital Watch | ALU (Arithmetic Logic Unit) | Moment of inertia measurement | Economical analysis of Nishat textile industry | Minimizing the cost of transportation of local distributor of Shahi Masala | Design a ladder logic programmed for the separation of defective & non-defective parts | Safety analysis in package industry | Quality analysis of Drilled Holes| Total Quality Management| Custom designing of Jig & Fixture | prepare a business plan| Applying the Group Technology & Cellular Manufacturing on the Shop Floor.

Achievements

- Holds 1st rank in Engineering from UET and get award of educational excellence (2021).
- Awarded fully funded HEC scholarship for under graduation from UET, Lahore. (2017-2021)
- For 2 years excellence scholarship in intermediate from Superior Group of Colleges. (2015-2017)
- Awarded by Laptop from Chief Minister Laptop Scheme (2015-2017)

Memberships & Participations

- Executive member in UET Science Society (design team).

- Volunteer work for Industrial & Manufacturing Engineering Club.

Certifications

- Lean in Manufacturing & Services.
- Supply Chain Management (Warehouse & Material handling)

Professional Skills

- MS office
- Photoshop
- Minitab
- Ansys ADPL
- Auto Cad
- Solid Works
- RX logic 500 (PLC)
- Project & Team management
- ERP (Production planning, order management, inventory management) Oracle
- TORA

Research & Publications

Sr. No	Title	Journal	Year
1	Process parameters optimization and performance analysis of micro-complex geometry machining on Ti6Al4V	International Journal on Interactive Design and Manufacturing	2024
2	Fatigue Performance and Impact Toughness of PBF-LB Manufactured Inconel 718	EEE International Conference on Robotics and Biomimetics (ROBIO)	2023
3	Fatigue Life and Impact Toughness of PBF-LB Manufactured Ti6Al4V and the Effect of Heat Treatment	Key Engineering Materials	2023
4	Electric Discharge Machining of Ti6Al4V ELI in Biomedical Industry: Parametric Analysis of Surface Functionalization and Tribological Characterization	Materials	2023
5	Surface generation on titanium alloy through powder-mixed electric discharge machining with the focus on bioimplant applications	The International Journal of Advanced Manufacturing Technology	2022