

Mubashir Alam

LECTURER | POLYMER & PETROCHEMICAL ENGINEER

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Profile

Experienced postgraduate engineer with a proven record of academic and professional excellence. Possesses strong knowledge of Polymer and Petrochemical Engineering and a keen interest in advancing research and teaching in the field.

EXPERIENCE

Lecturer, NED University of Engineering and Technology 2025 – Present
Polymer & Petrochemical Department

- Delivered lectures and conducted labs in polymer and petrochemical engineering courses.
- Prepared teaching materials, assessments, and lab manuals.
- Evaluated student performance and supported undergraduate research projects.
- Applied modern teaching techniques to enhance student engagement and learning outcomes.

Senior Executive, Utopia Industries Pvt Ltd. 2022 – 2024

- Production planning, making SOP's and Audit documentation.
- Manage proper mixing ratio to achieved maximum output with high quality.
- Maintain all records of production (export).
- Identify issues in efficiency and suggest improvement in production through lean manufacturing.
- Manage KPI's and Preventive maintenance.

Assistant Engineer, Krystalite Products and Pvt Ltd. (GATRONOVA Group) 2021 – 2022

- Responsible to ensure production according to plan with minimum down-breaks, lines maintenance and also involve in sampling or trials of new variant.
- Supervise VACUREMA in combination with leading sheet plant SML (AUSTRIA TECHNOLOGY).
- Manage proper mixing ratio to achieved maximum output with high quality for Thermoforming.
- Maintain all records of production & packing with customer wise in SAP and Audit documentation.

Production/Process Engineer, MUSTAQIM INDUSTRIES (GATRONOVA GROUP) 2020 – 2021

- Responsible to supervise Plastic Recycling Processes in sorting, shredding, washing, and melting plastic materials for recycling.
- Daily plant operations, ensuring adherence to production schedules and output targets of Melt blown plant.
- Training and managing production staff and machine operators.
- Implementing and maintaining quality control systems to ensure recycled materials meet industry standards.

Production Supervisor, Mundia Exports	2019 – 2020
<ul style="list-style-type: none"> • Simulation and Operation of SMS plant (non woven fabric plant). • Plant troubleshooting like (web cleaning, filter and die cleaning) through super sonic process. • Plant management (production and material) 	

INTERNEE, GENERAL TYRE AND RUBBER COMPANY	2018
<i>Learned different recipes of rubber compounds for both Bias and Radial tires, utilizing diverse rubber materials. I've analyzed the manufacturing workflow, assessing the effectiveness of individual units. Additionally, I possess extensive knowledge of vulcanization chemistry and its implications in tire production.</i>	

EDUCATION

Master's in Engineering Management (Industrial Management), <i>NED University of Engg. & Tech.</i>	2021 – 2024
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Bachelor's in Polymer and Petrochemical Engineering, <i>NED University of Engg. & Tech.</i>	2015 – 2019
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Intermediate (Pre-Engineering), Kent College Of Science and Commerce	2015
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Matriculation (Science), Farah Memorial Academy	2012
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EXPERTISE

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| • Project Management | • Minitab and Matlab |
| • Presentation & Communication | • SAP |
| • Decision Making | • Microsoft Office |
| • Leadership & Management | • Aspen |

Projects

Bio mass Incorporated with Low Density Poly Ethylene, Final Year Project <i>Formulation of LDPE sheets to increase its mechanical and thermal properties and also make it cost effective. The key parameters; LDPE and Rice Husk.</i>	2019
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Analysis of fiber glass composition and properties <i>Determination of mechanical properties of fiber glass sheets on different composition and orientation. Analyzed the relationship of volume fraction with fiber-matrix properties</i>	2018
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