



HANAN SHAMAS

Fresh Chemical Engineer

 **Phone:** +92-301-0853721

 **Email:** hananshamas85@gmail.com

 **LinkedIn:** [linkedin.com/in/engr-hanan-shamas](https://www.linkedin.com/in/engr-hanan-shamas)

Nationality: Pakistan

Passport # PL5168801

Professional Summary

Enthusiastic and dedicated fresh Chemical Engineer with a solid academic foundation and hands-on internship experience in quality assurance and chemical process understanding. Strong grasp of industrial chemical processes, safety standards, and quality control systems, particularly in paints and petrochemical-based products. Eager to contribute to production excellence, innovation, and sustainability initiatives at a forward-thinking company like Nimir Chemical Industries. Committed to continuous learning, with a keen interest in resins, plasticizers, and process optimization.

Education

Bachelor of Science in Chemical Engineering

Sep 2020 - Aug 2024

CGPA; 3.29/4.00

University of Engineering and Technology, Lahore

Experience

Brighto Paints (Pvt) LTD, Lahore

Quality Assurance Intern | **July 2023 - Aug 2023**

- Performed 10-15 quality control tests daily on raw materials and finished products.
- Ensured ISO 9001 compliance and contributed to successful internal audits.
- Assisted in calibration of lab equipment and preparation of technical quality reports.
- Conducted paint formulation stability tests to evaluate long-term durability.
- Collaborated on improving product performance and testing methodologies

Nozomi Manufacturing Private Limited

Sundar Industrial Estate, Lahore

MTO | **Sep 2024 – Apr 2025**

- Gained hands-on experience in production operations of aerosol sprays, tissue products, and liquid washing solutions.
- Monitored production lines to ensure efficiency, safety, and product quality while supporting maintenance and process improvement efforts.
- Assisted in raw material procurement, inventory tracking, and coordination with suppliers to support smooth supply chain operations.
- Documented SOPs, prepared operational reports, and collaborated with cross-functional teams to meet production and compliance goals.

Core Competencies

- Process Optimization & Simulation
- Quality Assurance & Testing
- Problem-Solving & Analytical Thinking
- Team Collaboration & Communication
- Process Safety & Compliance

Technical Skills

- EPC (Engineering, Procurement, and Construction)
- Process Simulation: Aspen Plus, MS Excel
- Chemical Engineering: Distillation, Heat & Mass Transfer, Process Design, Corrosion Engineering
- Quality & Safety: Quality Control (QC), HSE Practices, ISO 9001 Compliance
- Water Treatment: Desalination, Wastewater Treatment
- Software Tools: AutoCAD, Primavera P6 (Basic knowledge relevant to project timelines)

Academic Project

Production of Methanol and DME from Syngas

Sep 2023 - Aug 2024

- Designed a process for syngas conversion into methanol and DME using catalytic reactions.
- Optimized process parameters to improve thermal efficiency and reduce energy consumption.
- Supported catalyst selection, safety checks, and simulation modeling.

Achievements

Participation Final Year Projects Exhibition at **Pakistan Engineering Council** regional office Lahore. Showcased technical skills and project findings to faculty and industry professionals.

Certifications

- Certified Planning Engineer – Primavera P6 (The Skill Age)
- Final Year Project Exhibition Participation (Pakistan Engineering Council)

Languages

- ✓ English
- ✓ Urdu