

TAHREEM BEG

PERSONAL INFORMATION

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EDUCATION

- **Masters in Industrial Management** from **NED University** with a **CGPA of 3.67**
- **Bachelors in Engineering** from **NED U** of Engineering and Technology with **TEXTILE MAJORS: CGPA: 3.802** (2nd position in the Batch)
- Bahria College Karsaz (Federal board of Intermediate and Secondary Education), passed with an **A grade**
- Habib Girls' School,(Aga Khan Board of Intermediate and Secondary Education) passed with an **A-1 grade**

SUMMARY OF QUALIFICATION

- Proficient with Microsoft Word, Excel, Access, PowerPoint, Minitab
- Skilled in technical writing, communication and documentation
- Certified Languagecert Level 1 (Listening, Reading, Writing, Speaking) (Communicator B2) with the score of High Pass.
- Certified in **AutoCAD** at NED University of Engineering and Technology by Autodesk (ER Solutions) in March, 2012
 - 2D drafting of machine parts
 - 2D drafting of buildings
 - Introduction to 3D drafting
- Deputy Marketing Head of textile-based committee **AATCC** (American Association Of Textile Chemists And Colorists) in the year 2013
- Organized **Career Seminar** event arranged by NED University of Engineering and Technology, 2014 and 2013
- Organize **ITC** (International Textile Conference), 2014, 2020 and 2022 at NED University of Engineering and Technology.
- Member **PEC** (Pakistan Engineering Council)
- Organized 5th **DICE Textile**, NED University of Engineering and Technology in

March 2020.

- Organized 1st NED Research and Technology Showcase 2021 in collaboration with ORIC NEDUET.
- Organized Exposure Visit Under National Faculty Development Program (NFDP) by HEC (Higher Education Commission) at NED University of Engineering and Technology in 2022.
- Organized Shell Tameer Bootcamp in 2022.

EXPERIENCE

- Intern at **AL-KARAM Textile Mills (1 month)**
 - Worked under the guidance of assistant engineer
 - Experienced the machinery installment and repair techniques of spinning line
 - Created letters, reports, Pareto charts and data analysis
 - Experienced the industrial spinning techniques and learning about the particular production lines for different yarn counts
 - Enjoyed working in teams to achieve company goals
 - Visited weaving, dyeing, printing and blanket manufacturing departments
 - Performed SWOT Analysis
- Worked on Final Year Project in Gul Ahmed Textile Mills based on **Six Sigma and Wastages reduction of Stitching line (1 year)**
- Worked at **Yunus Textile Mills** as a **Product Development Merchandiser. Product development and pre-production phase of home textiles for (1.5 years)**. Job included direct coordination with US based customers, fulfilment of customer's requirements in the sampling phase by association with spinning, weaving, printing, dyeing, finishing, Stitching and logistics departments of the industry for successful shipment of the samples and striving to get the samples approved by customers.
- **Worked at R&D at Gul Ahmed** for development of different ideas and samples (Home textile-based) to be presented to the customers **for Hiemtex (Germany) and Market Week (NY)**
- Worked as **Assistant Manager Marketing at Gul Ahmed Textiles** for. Job included direct coordination with US based customers, fulfilment of customer's requirements in the sampling phase (Kohl's, Macy's, BB&B, Li and Fung, Target, Walmart, Sunham, Ellery Home, CHF etc.) by association with spinning, weaving, printing, dyeing, finishing, stitching and logistics departments of the industry for successful shipment of the samples and striving to get the samples approved by customers. **(1.5 years)**

- Taught the course of Textile Finishing as a visiting faculty in 2018 at NEDUET Textile Engineering Department
- Teaching at undergraduate level in **NED University of Engineering and Technology** as a **Lecturer** since 2019.
 - Year 2019
 - Textile Testing 1
 - Thermodynamics
 - High Performance Fibres
 - Textile Dyeing (Sciences)
 - Class Advisor of SS Fall semester 2019
 - Year 2020
 - Textile Testing 1
 - Material Science
 - Textile Dyeing (Engineering)
 - Class advisor of SE Fall 2020
 - Class advisor of SS Spring 2020
 - Textile Testing Lab Incharge of Spring 2020
 - Textile Testing Lab Incharge of Fall 2020
 - BS Final Year Project Committee member of Batch 2017
 - Working for the commercialization of Textile Testing Lab
 - Year 2021
 - Textile Testing 2
 - Pre-treatment in Textiles
 - Class advisor of Batch 2019 Second Year Engineering
 - Lab incharge Textile Testing Lab
 - Member BS Final Year Design Project Committee 2021-22
 - Textile Dyeing
 - Material Science
 - Year 2022
 - Pre-treatment in Textiles
 - Garment Manufacturing
 - Class advisor of Batch 2020 Second Year Engineering
 - Lab Incharge Textile Testing Lab
 - Member BS Final Year Design Project Committee 2021-22
 - Textile Dyeing
- Assistant Manager **ORIC (office of Research, Innovation and**

Commercialization) NED University of Engineering and Technology

- **Final Year Projects:**

1. Batch 2016:

- a. Implementation of green supply chain in cotton terry industry by value stream mapping (VSM) and lean methodology in collaboration with **International Textiles Pvt Ltd.**
- b. Tensile and flexural properties of spinning waste reinforced cement based composites. In collaboration with **Gul Ahmed Textile Mills**
- c. Implementation of six sigma and Kaizen in waste reduction of stitching floor of home textile. in collaboration with **Yunus Textile Mills**

2. Batch 2017:

- a. Development of cost of poor quality framework for a denim-based textile industry. In collaboration with **Soorty Enterprises Pvt Ltd.**
- b. Investigation into experimentation of denim-based sludge wasters in structural applications. In collaboration with **Artistic Milliners.**
- c. To develop the finishes from lotus plant using seeds and pods and its evaluation on different textile fabrics. In collaboration with **AlkaramTextile Mills.**

3. Batch 2018:

- a) Ecofriendly dyeing of biodegradable polyester fabric using natural Dyes
- b) Re-utilization of surgical masks to be used as geotextile in reinforcement of soil structures

Batch 2019:

- a) To investigate the effect of bagasse and polypropylene fibres on the performance of asphalt mixtures
- b) Eco-friendly dyeing of cotton fabric and blends using salt-free multifunctional dyeing approaches in collaboration with **Gul Ahmed Textile Mills**
- c) Utilization of textile polyester waste in cement mortar composite
- d) To investigate the effects of different denim washes on degradation behavior of pumice stone in collaboration with Rajby Denim

4. Third Year Projects (Batch 2019)

- a. To develop measurement system to analyze “Environment Impact” from home-textile industry’s dyeing department. In collaboration with **Jeanologia**
- b. To study and develop quality management system for the dyeing department. In Collaboration with **J. P. Coats, Pakistan.**

RESEARCH PUBLICATIONS

1. Utilization of textile denim sludge waste in high load-bearing structural applications. Doi: <https://doi.org/10.14314/polimery.2022.7.2>
2. Class C fly ash as a substitute for mineral fillers in asphalt mixtures. Doi: <https://doi.org/10.14314/polimery.2022.9.5>

AWARD AND HONORS

- Awarded with the trophy of Student of the year at NED University in 2014 by AATCC.
- Acclaimed for arts and designing and awarded certificates
- Team player in volleyball team for 6 years in school and college
- Certified Six Sigma Green Belt.
- Awarded certificates for attending the courses regularly and attentively
- Awarded scholarship by university on outstanding academic performance.
- The project “Tensile and flexural properties of spinning waste reinforced cement based composites” won 3rd prize at 5th DICE Textile 2020.
- 2nd position in the batch of BE Textile Engineering.
- Assistant manager ORIC NED University of Engineering and Technology
- High pass in LanguageCert ESOL (Speaking, Reading, Writing and Listening)
- 36 hours training completion titled “Faculty Development Program”.

AREAS OF INTEREST

- Textile Wet Processing
- Fibre Science
- Sustainable Textiles
- Composites

LANGUAGES

- English, Urdu and Sindhi