

# Talaal Bin Junaid

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## Education

**Ghulam Ishaq Khan Institute (GIKI) – B.S. Materials Engineering**

**August 2019 – June 2023**

**CGPA: 3.11/4.00**

## Professional Experiences

**Mari Petroleum Company Ltd. – Corrosion & Inspection Intern**

**June – August 2022**

- Reviewed and researched NACE standards for corrosion prevention.
- Performed NDT of Oil & Gas pipelines for inspection of structural integrity.
- Analyzing P&ID to understand Sour to Lean gas conversion.
- Lab analysis of oil and water samples from wells.
- Researched and presented on types of welding procedures and electrodes.

## Leadership Experiences

**Ghulam Ishaq Model United Nations – Event Coordinator**

**March 2022 – March 2023**

- Managed a team of 70+ members to organize a three day event consisting of 300+ participants
- Liaised with several universities around the nation and generated a participant list of over 300 students.
- Conducted 150+ cold calls, and held several virtual meetings for partnership opportunities, which helped raise 70% of the funds for the event.
- Researched marketplace, and dealt with several vendors maximizing cost benefits.

**Society for the Promotion of Higher Education in Pakistan**

**September 2019 – March 2023**

- Head of Sponsorship GIMUN'22.
- Focal Person at GIKI Career Fair 2022.
- Managed student drives and liaised with several consultancies in arranging an educational expo, generating funds worth PKR 150,000.
- Focal Person at GIKI Alumni Reunion 2021 and 2022.
- Managed multiple recruitment drives for National and International Companies.

## Academic Projects

**MTME 2023 – International Conference on Modern Technologies in Mechanical and Materials Engineering**

- Participated in the *Proceedings of the 1<sup>st</sup> International Conference on Modern Technologies in Mechanical and Materials Engineering*, presenting research findings to a global audience of industry professionals and researchers, on the use of hexagonal boron nitride (h-BN) as a reinforcement in polymer composites for improved wear and corrosion performance.
- Published research paper in MTME Journal, demonstrating the significance and contribution of the study to the academic community, as well as various industries.

## Heat Treatment

- Conducted a heat treatment on a metal sample to create a Triple Phase structure comprising Bainite, Martensite, and Pearlite.

This process significantly improved the strength of the metal by 20%.

## Honors and Awards

- Named in the Deans honor list for **5<sup>th</sup>** and **7<sup>th</sup>** semester for achieving high distinction.
- Zonal Level Gold in Basketball and Table Tennis
- **Captain** College Table Tennis Team
- College House Captain

## Skills

**-Technical Skills:** MS Word, Excel, Power Point, Light room, C++ (Basic), CREO (Engineering Graphic and Design), OriginPro

**-Practical Skills:** Technical Writing and Documentation, Freelancing, Public Speaking, Event Management, Team Player, Time Management