

Muhammad Zaid Khan

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Personal Details

Gender : Male
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Qualification

2019 **Masters of Engineering Management**
NED University of Engineering and Technology
Cumulative GPA: 3.69

2015 **Bachelors in Industrial and Manufacturing Engineering**
NED University of Engineering and Technology
Cumulative GPA: 3.22

Career & Experience

2019 – To Date **NED University of Engineering and Technology, Karachi**
Lecturer Department of Industrial and Manufacturing Engineering

- **Teaching Undergraduate Courses:** Instructing undergraduate students from the second to final year and supervising Final Year Design Projects (FYDP) as either a primary supervisor or co-supervisor.
- **Departmental OBE Committee (DOBEC) Member:** Serving as a member of the Departmental Outcomes Based Education (OBE) Committee, overseeing the implementation of the OBE system across the department to ensure compliance with accreditation standards set by the Pakistan Engineering Council (PEC).
- **NED Undergraduate Admissions Committee Involvement:** Acting as a member of the NED Undergraduate Admissions Committee, responsible for facilitating the undergraduate admissions process at NED University.
- **Student Counseling:** Providing guidance and support to students in the Faculty of Engineering (FE) as a Student Counselor, addressing both academic and personal concerns to promote student success and well-being

2016 – 2019 **Gul Ahmed Textile Mills, Karachi**

Engineer- Process Control Process Control Department- Utilities

- Monitoring & Controlling utilities over the consumption site.
- Audit Related report making.
- Maintaining the data records for utilities consumption

2014

Engineering Intern **Thal Engineering**

- Gained valuable technical experience of wire harness and compressor assembling supply chain and management.

2013

Engineering Intern Fauji Fertilizer Bin Qasim Limited.

- Gained valuable technical experience of mechanical devices like heat exchanger, Bolt tensioner, Piping system & Inventory management.

Academic Research Projects

- **Manufacturing:** V shape Bending Machine. Fabrication of E- Cycle
- **Innovation:** Indicator based Helmet for better safety, Recycled Facemasks Fall Ceilings, Paintless Dent Remover.
- **Designing:** Gasoline to Electric Vehicle modeling,
- **Management:** Erection procedure of **BOPP** Machine, Assembly line installation, Layout management project for IMC & Zypher Pharmaceutical Industry, Returnable Rack based system installation in Hino Pak.

Research Interests

- Tool Engineering & Designing.
- Sustainable and Green Manufacturing.
- Lean Manufacturing.
- Additive Manufacturing.

Research Publications

- **Muhammad Zaid Khan**, Sheheryar Mohsin Qureshi and Syed Raheel Adeel, “**An Approach to Reduce Environmental Hazards by Utilizing Used Facemask**”, Proceedings of the 6th International Conference on Energy, Environment and Sustainable Development 2022 (EESD 2022), Pakistan.

Workshops/Trainings/Seminars/Certifications

- Attended training on **NED QMS System**.
- Attended training on **Psychomotor and Affective Domain Evaluation & Assessment, CEP and CEA (OEL & PBL)**
- Attended webinar on **Artificial Intelligence: Implications for technologies & Business Strategy**.
- Attended webinar on **Solar and wind Power Potential in Pakistan**.
- Attended training on **Construction Safety & Management**.
- Attended seminar on **Chat GPT & Professional Integrity**.
- Attended session on **OBE Training**.

Software and Information Technology

- CAD Software: **Solid Works, Solid Edge, Pro-Engineer** and **CATIA**.
- Statistical Analysis: **MINITAB**.

- Application Software: **MS Office, MS Project, POM and TORA.**
- Graphics: **Adobe Photoshop.**

Languages

- English
- Urdu

Memberships and Affiliations

- Pakistan Engineering Council (PEC)