

# Muhammad Zaid Khan

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## Personal Details

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Gender : Male  
Nationality : Pakistani  
URL : <http://imd.neduet.edu.pk/default/files/Profile/MuhammadZaidKhan.pdf>  
Research Gate : <https://www.researchgate.net/profile/Muhammad-Khan-539>  
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## Qualification

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**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

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

- Teaching Undergraduate level courses from Second to Final year (FYDP supervisor & co supervisor).
- Working as a Departmental OBE Committee (DOBEC) member conducting successful OBE system implementation across the department fulfilling all PEC accreditation requirements.
- Preparing and maintaining the documents related to the departmental OBE Cell.
- NED Undergraduate Admissions Committee Member.
- Student Councillor.

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

**Engineer- Process Control**      Process Control Department- Utilities

- Monitoring & Controlling utilities over the consumption site.
- Related Audit report making.

**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

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- **Manufacturing:** V shape Bending Machine.
- **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.

## Research Interests

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

## Research Publications

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- **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

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- Attended training on **Teaching Case Studies**
- Attended training on **Psychomotor and Affective Domain Evaluation & Assessment, CEP and CEA (OEL & PBL)**
- Attended webinar on **Chat GPT & Professional Integrity**. Attended webinar on **Digital Transformation**
- Attended webinar on **Artificial Intelligence: Implications for Technologies & Business Strategy**
- Attended training on **ChatGPT for Effective Learning**
- Attended seminar on **Capacity Building Workshops for Research**
- Attended webinar on **Introduction to Industry 4.0 Technologies**
- Attended webinar on **Engineering Application of Agile Methodology**
- Attended webinar on **Risk Assessment and Management**
- Attended webinar on **Digital Transformation and Impact of IoT on Education, Industry, Health Sector and Society**
- Attended workshop on **Accelerate your research using Elsevier's Scopus**
- Attended session on **Career Orientation by CISCO**
- Attended session on **OBE Training**

## **Software and Information Technology**

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- 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**.
- Cloud based Applications: **Zoom, Google, Classroom, Google Meet** and **ChatGPT**.

## **Languages**

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- English
- Urdu

## **Memberships and Affiliations**

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- Pakistan Engineering Council (PEC)