

MOHSIN ALI KHUSHK



PERSONAL INFORMATION

Present Address: Royal Electric Store, Station Road Dadu
Phone No: +92- 313-3883388
Father's Name: Muhammad Juman
Marital Status: Single
Nationality: Pakistani
E-mail: mohsinjani@neduet.edu.pk
Date of Birth: 19th Feb, 1997

OBJECTIVE

To pursue my career in an organization which gives me the opportunity to use and develop my technical, analytical and managerial skills where I can deliver all possible services for the growth and success of the society.

EXPERIENCE

June 2023 to Present

Lecturer at TUEST (NED University)

- Teaching
- OBE Co-Ordinator
- Student Counsellor

June 2021 to June 2023

Lab Engineer at TUEST (NED University)

Job Responsibilities

- Teaching students practical of engineering and commercial testing.
- Supervision, as well as commercial test, in Labs of Engineering Surveying and Mechanics.
- Student counselor.
- Community Service Head.
- OBE system course folders in charge.

October 2020 to July 2021

Teaching Assistant at MUET Jamshoro

Job Responsibilities

- Conducting practical's
- Assisting Professors in research work.
- Taking engage classes.

December 2019

Trainee Engineer at Sindh Pipes Engineering Works Pvt Ltd

Job Responsibilities

- Survey work, Site Management, Prepare Reports etc

MANAGERIAL EXPERIENCE

- ICSDC, 2017
Organized **first ever** International Conference on Sustainable Development in Civil Engineering 2017 at MUET, Jamshoro
- ICSDC, 2018
Organized 2nd International Conference on Sustainable Development in Civil Engineering 2019 at MUET,

ACADEMIC RECORDS

2020 – 2022	<u>M.E (CIVIL ENGINEERING)</u> Mehran University of Engineering and Technology Jamshoro Sindh Pakistan 3.93/4 CGPA
2016 to 2019	<u>B.E (CIVIL ENGINEERING)</u> Mehran University of Engineering and Technology Jamshoro Sindh Pakistan CGPA: 3.94/4 CGPA
2013 to 2015	<u>HSC (PRE-ENGINEERING)</u> B.I.S.E Hyderabad Grade: A1, 1 st Division
2011 to 2013	<u>SSC (SCIENCE)</u> B.I.S.E Hyderabad Grade: A1, 1st Division

SEMINARS/WORKSHOPS/ COURSES ATTENDED

- ETABS, 2017
Short course offered by MUET, Jamshoro
- Autodesk Revit, 2019
Short course offered by NUST, Islamabad
- English Speaking, 2014
Short course offered by Horizon, Hyderabad

RESEARCH EXPERIENCE/ PROJECTS CONDUCTED

- **“Water purification” – in progress** ○ Thar being the desert area of Pakistan struggles with the availability of drinking water. Economical water purification systems are currently being researched in this project to provide pure drinking water on household/ semi-central level.
- **“Effect of fly ash as cement replacement and Indus river sand as Fine aggregate replacement on autoclaved aerated concrete”.**
The project focused on making **construction industry sustainable** by reducing the content of cement in Concrete – the 2nd most used product in world. Coal fly ash – which usually goes waste in Pakistan – instead of cement was used in order to decrease cement production ultimately decreasing CO₂.
- **“Parametric study on the Compressive Strength of Fly ash based Geo polymer Concrete”**
This research was emphasized on the importance of sustainable construction and how we can achieve sustainable construction economically. This project focused on construction of Geo polymer concrete with the help of fly ash.
- **“Effect of fly ash and silica fume on compressive strength of Autoclave aerated Concrete”.**

The prime focus in this research was to know the optimum percentage of blend of Fly Ash and Silica Fume that can be used as a cement replacement in Autoclave aerated concrete.

- “The way of production of Metakaolin from natural material Soorh for Geopolymer Concrete”
This project focused on construction of Geo polymer concrete with the help of Metakolin.
- “Cost Analysis of Green Building And Conventional RCC Building”
Researched and emphasized on the importance of sustainable construction and how we can achieve sustainable construction economically.

VOLUNTEER/ LEADERSHIP EXPERIENCE

- Led a cleaning drive of three days at LUMHS, Jamshoro, 2017
- Volunteered in “Helping hands” during COVID-19
- Collected donations in order to help poor people who couldn’t afford food due to lockdown restrictions.
- Volunteered in AISEC organization, 2019
- Taught and led a group of students in order to enhance their English skills
- Led a **traffic awareness** campaign backed by MUET Jamshoro in 2017

PROFESSIONAL/ VOLUNTEER SOCIETIES

- Pakistan Engineering Council Registration # 55718
- Member of MUCES (Mehran university of Civil engineering Society)
- Committee Member of AISEC
- Helping hands

HONORS & AWARDS

- Secured First rank in M.E Civil Engineering.
- Secured 3rd Rank in B.E Civil Engineering, MUET Jamshoro (2019).
- Sports man of the University during undergraduate – B.E Civil Engineering, MUET Jamshoro.
- Received Four Times Merit Scholarship – for top 3 students – from SFAO MUET Jamshoro.
- First position in College – Ustad Bukhair Govt Degree College Dadu.
- Student of the year award in college – Ustad Bukhair Govt Degree College Dadu.

TECHNICAL SKILLS

<input type="checkbox"/> ETABS	● ● ● ● ○
<input type="checkbox"/> AUTOCAD	● ● ● ● ○
<input type="checkbox"/> MATLAB	● ● ● ○ ○
<input type="checkbox"/> REVIT	● ● ● ○ ○
<input type="checkbox"/> PYTHON	● ● ● ○ ○
<input type="checkbox"/> MS Windows	● ● ● ● ○
<input type="checkbox"/> MS Office	● ● ● ● ○
<input type="checkbox"/> Internet mailing & Surfing.	● ● ● ○ ○
<input type="checkbox"/> MS Outlook	● ● ● ○ ○

SOFT SKILLS

- Public speaking.
- Fast learning ability.
- Ability to work independently under demanding situations.
- Enthusiastic, hardworking and passionate team player.
- Aptitude towards meeting the deadlines under extreme condition

CONFERENCE PRECEEDINGS

- **Mohsin Ali**, Aqsa Murad and Aneel kumar. Utilization of Fly ash and Indus River Sand in Autoclaved aerated concrete. 3rd International Conference on Chemical Engineering, 22-23 September 2021 at MUET Jamshoro, Pakistan
- **Mohsin Ali**, Atif Hussain Awan, Tawakal Rehman Bajwa, Prof Dr Nafees Memon, Anees Ahmed Vighio. **Cost Analysis of Green Building and Conventional RCC Building**. 2nd International Conference on Sustainable Development in Civil Engineering 5th – 7th, December 2019 (ICSDC-2019)
- **Mohsin Ali**, Aneel Kumar, Rabindar Kumar, Aqsa Murad, “*Utilization of Fly ash and Indus River Sand in Autoclaved Aerated Concrete*”, Proceedings of the 3rd International Conference on Chemical Engineering (ICCE2021), Mehran University of Engineering and Technology, Jamshoro, September 22-23, 2021, 197-204.
- **Mohsin Ali**, Aqsa Murad, “*Effect of fly ash and silica fume on compressive strength of Autoclave aerated Concrete*”. 12th International Civil Engineering Conference (ICEC-2022) “Integrating Technology in Civil Engineering” March 20, 2022, Karachi, Pakistan.
- Aqsa Murad, **Mohsin Ali**, Aneel Kumar, Sadaqat Ullah Khan, Tehmina Ayub, “*Parametric study on the Compressive Strength of Fly ash based Geopolymer Concrete*”. 12th International Civil Engineering Conference (ICEC-2022) “Integrating Technology in Civil Engineering” March 20, 2022, Karachi, Pakistan.
- Aneel Kumar, Aqsa Murad, **Mohsin Ali**. *Production of Metakaolin from natural material Soorh for Geopolymer Concrete*. 3rd International Conference on Chemical Engineering, held on 22-23 September 2021 at MUET Jamshoro, Pakistan