

# 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: 19<sup>th</sup> 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 2021 till present**      **Lab Engineer at TIEST (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
- 2016 to 2018**      **Chief Management Officer at ADZINE Magazine**  
Job Responsibilities
- Completion of events with in due date.
  - Conduct interviews for different positions

## MANAGERIAL EXPERIENCE

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

## ACADEMIC RECORDS:

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<b>2020 – 2022</b>	<b><u>M.E (CIVIL ENGINEERING)</u></b> Mehran University of Engineering and Technology Jamshoro Sindh Pakistan	<b>CGPA: 3.93/4</b>
<b>2016 to 2019</b>	<b><u>B.E (CIVIL ENGINEERING)</u></b> Mehran University of Engineering and Technology Jamshoro Sindh Pakistan	<b>CGPA: 3.94/4</b>
<b>2013 to 2015</b>	<b><u>HSC (PRE-ENGINEERING)</u></b> B.I.S.E Hyderabad	<b>Grade: A1</b> <b>Percentage = 80.63%, 1st Division</b>
<b>2011 to 2013</b>	<b><u>SSC (SCIENCE)</u></b> B.I.S.E Hyderabad	<b>Grade: A1</b> <b>Percentage = 88.23 %, 1st Division</b>

## SEMINARS/WORKSHOPS/ COURSES ATTENDED

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- 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
- MATLAB
  - Vanderbilt University via Coursera
- Python
  - University of Michigan via Coursera

## RESEARCH EXPERIENCE/ PROJECTS CONDUCTED

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- **“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 2<sup>nd</sup> 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 CO<sub>2</sub>.
- **“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

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- 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

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

## HONORS & AWARDS

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- Secured First rank in M.E Civil Engineering.
- Secured 3<sup>rd</sup> 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

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|-------------------------------|-----------|
| • ETABS                       | ● ● ● ● ○ |
| • AUTOCAD                     | ● ● ● ● ○ |
| • MATLAB                      | ● ● ● ○ ○ |
| • REVIT                       | ● ● ● ○ ○ |
| • PYTHON                      | ● ● ● ○ ○ |
| • MS Windows                  | ● ● ● ● ○ |
| • MS Office                   | ● ● ● ● ○ |
| • Internet mailing & Surfing. | ● ● ● ○ ○ |
| • MS Outlook                  | ● ● ● ○ ○ |

## SOFT SKILLS

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- 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

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- **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