

Bilal Ahmed Soomro

Mechanical Engineer

Mobile Number: +92.332.3964756

Email: bilalahmed@neduet.edu.pk

OBJECTIVE

To utilize my recent education and experience acquired to secure challenging position within a dynamic and challenging organization where I can contribute to growth of both, the company and myself.

WORK HISTORY

- **Lecturer** (Jan 2018- Present) at **Department of Mechanical Engineering NED University of Engineering and Technology, Karachi**
- **Lab Engineer** (March 2017- Dec 2018) at **Mechanical Engineering Department ISRA University Hyderabad**
- **Trainer AutoCAD Phase IV Batch II NAVTTC** (May 2018-Nov 2018) **ISRA University Hyderabad.**
- **Trainer AutoCAD Batch 1 GIZ TVET Sector Support Program** (Mar 2018-August 2018) **ISRA University Hyderabad**
- **Trainer AutoCAD Phase IV Batch I NAVVTC** (Nov 2017-April 2018) at **ISRA University Hyderabad**
- **Visiting Faculty Lecturer** (Sept 2016- Dec 2016) at **Nazeer Hussain University Karachi (NHU)**

EDUCATION

- **ME (Renewable Energy)** from **Department of Mechanical Engineering NED UET Karachi** in 2018.
- **BE Mechanical Engineering** from **Mehran University of Engineering & Technology Jamshoro Sindh Pakistan (MUET)** in 2016.
- **Intermediate** from **Degree College Larkana Sindh Pakistan** in 2011.
- **Metric** from **Sindh Science College Larkana Sindh Pakistan** in 2009.

MASTERS THESIS

- **Analysis of flow patterns and pressure distribution in ducted wind turbine using CFD.**

PUBLICATIONS

Journal Papers:

- **Energy Crisis and Its Solution for Pakistan (Co-Author).** *International Journal of Chemical and Environmental Engineering (IJCEE), Dec 2016, Volume 7, Issue No. 4.*
- **Development of Nano cerium oxide and assessment of its antibacterial efficiency (Co-Author).** *Mehran University Research Journal of Engineering & Technology, Jamshoro, Pakistan (Applied)*

International Conference Papers:

**FINAL YEAR
THESIS/PROJECT**

CERTIFICATIONS

TRAININGS/SEMINARS

INTERNSHIPS

ACHEIVMENTS

MEMBERSHIPS

**ENGINEERING
SOFTWARES**

- Modelling and Simulation of Diffuser augmented wind turbine (Author). ***Proceedings of 4th International Conference on Energy, Environment and Sustainable Development, EESD 2016 MUET Jamshoro, Pakistan.***
- A comparison between Empirical and EPF method for wind data analysis (Co-Author). ***Proceedings of 7th International Mechanical Engineering Congress, SIMEC 2017 IEP (Institute of Engineers Pakistan) Center, Karachi, Pakistan.***
- Impact of Solar Radiation on building envelope using energy plus software (Co-Author). ***Proceedings of 7th International Mechanical Engineering Congress, SIMEC 2017 IEP (Institute of Engineers Pakistan) Center, Karachi, Pakistan.***
- Modelling and Simulation of Diffuser Augmented Wind Turbine (DAWT) using CFD.
- Certified Assessor (CBA/2018/486) of NAVTTC in Trade of AutoCAD, Computer operator and Energy Efficiency Advisor TVET Sector Support Program.
- **Two-days Workshop at Movenpick Hotel**, "Training Needs Analysis (TNA) workshop to Identify Technical Skill Gaps" by NAVTTC in Collaboration with GIZ TVET Sector Support program.
- **Five-days Training at Movenpick Hotel**, "Assessors Training in Sindh" by NAVTTC in Collaboration with GIZ TVET Sector Support program.
- **One-day Teachers training at Isra University Hyderabad**, "A Passion for Teaching and Understanding Adult Learning" by Mr. Abbas Hussein Director Teachers Development Centre, Karachi.
- **Author and participated in 7th International Mechanical Engineering congress**, SIMEC 2017 NED-IEP Karachi.
- **Author and participated in 4th International Conference on Energy, Environment and Sustainable Development**, EESD 2016 MUET Jamshoro.
- **Introduction to CAD/CAM/CAE Software by** "ASME MUET Chapter in Collaboration with KTDMC (Karachi Tools, Dies & Moulds Centre) Karachi.
- **One Day Workshop on Public Speaking, Communication Skills & Leadership Qualities** in collaboration with Mehran University Debating Society Jamshoro (MUDS).
- **2 Weeks internship at KTDMC (Karachi Tools, Dies and Moulds Centre).**
- **4 Weeks internship at JPCL (Jamshoro Power Plant Company Limited).**
- Organizer at ASME (American society of mechanical Engineers) Mehran Student Chapter from Jan.2012- Nov.2015.
- Registered with PEC (MECH/32055), Member ASME.

FIELD VISITS

AREA OF THE INTERESTS

HOBBIES & INTERESTS

LANGUAGES

PERSONAL

- Pro-Engineer (PRO-E), MATLAB, ANSYS Fluent, Gambit, RET Screen, System Adviser Model (SAM), Minitab, Solid Works, Auto-CAD.
- Thatta Cement Factory Thatta
- Jamshoro Power Plant Company Limited (JPCL) Jamshoro
- Lakhra Power Plant Jamshoro
- Pakistan Machine Tool Factory Karachi
- Karachi tools dies and moulds centre (KTDMC).
- Pak-Suzuki motors company Karachi
- Computational Fluid Dynamics (CFD)
- Renewable energy
- Automobile Engineering
- Heat Transfer
- Manufacturing Technology
- Thermodynamics
- Aeronautics and Space Engineering
- Mechanical Vibration
- Heating, Ventilation and Air Conditioning (HVAC)
- Reading Newspapers & Books
- Reading Science Magazines
- Having a good skill of speeches
- Favourite Hobby Badminton
- English, Urdu, Sindhi
- S/O Prof. Bashir Ahmed Soomro
- Date of birth: 13th March-1993
- C.N.I.C No: 43203-3854584-7
- Address: Mechanical Engineering department, ISRA University Hyderabad
- Nationality: Pakistani
- Religion: Islam
- Marital Status: Single
- Domicile: Larkana (R)