

WAQAR AHMED TUNIO

- +92-305-8123719 • +92-315-9796573 • waqarahmedtunio3@gmail.com
- www.linkedin.com/in/wikitunio/ • Age: 22 • PEC# Chem/22153



Education

Mehran University of Engineering & Technology

Bachelor of Chemical Engineering (3.75/4.00)

Jamshoro, Pakistan

2018-2022

Government Jam Mumtaz Hussain Dahar, Degree College Ubauro

F.Sc Pre-Engineering (72%)

Ubauro, Pakistan

2016-2018

Cambridge Public High Secondary School

Matriculation-Science (78%)

Mirpur Mathelo, Sindh, Pakistan

2014-2016

Professional Experience

Pakistan Petroleum Limited (PPL)

Karachi, Pakistan

Pakistan Petroleum Limited (PPL) is a Pakistan state-owned exploration and production company working since the mid-1950s as a major supplier of natural gas.

Chemical Engineering Intern:

July 2022 – August 2022

- **Analysis:** Analyzed the entire gas processing, from the inlet separation to the dehydrating unit including natural gas sweetening, amine regeneration, and hydrocarbon dewpoint.
- **Equipment sizing:** Designed the separators and pumps on the excel sheet by checking various parameters.
- **Modelling and Simulation:** Designed the natural gas process according to the given parameters on the Aspen HYSYS for learning purposes.

Academic Activities

Experimental & numerical study of hydrodynamic drag for various shear thinning liquid phases

(Thesis)

Jamshoro, Pakistan

To understand deeply the effect of the drag coefficient of spherical Particles in non-Newtonian, a completely experimental and numerical study is done. The results were then compared against the Newtonian fluids gathered from various experimental works.

Group Leader:

- **Teamwork:** Collaborating with colleagues to satisfactorily obtain our objective. Incorporating not only my own but also the thoughts of others and last but not least, putting the interests of the group as a whole first helped us to complete our research study.

Industrial Tours

- Fauji Fertilizer Bin Qasim Limited (FFBL) – 2019
- Oil and Gas Development Company Limited (OGDCL), Bobi Field – 2021
- Power Cement Limited - 2022

Honors and Awards

ACADEMIC ACHIEVEMENTS

- Received a full academic scholarship on a merit-cum-need basis from the government of Pakistan.
- Got the first position in Final Year Poster Competition on the topic of **Experimental study of hydrodynamic drag for various shear thinning liquid phases.**

Additional

- **Certifications:** Aspen HYSYS, Safety Diploma, and IOSH.
- **Interests:** Travelling, Internet surfing, watching movies, and Reading books.
- **Technical Skills:** MS Office, and Aspen HYSYS