


Curriculum Vitae

PERSONAL DETAILS

Name	MUHAMMAD SHAHID	
Date of birth	January 14, 1993	
Marital status	Married	
Permanent address	S-2/298 Saudabad Malir Colony Karachi	
e-mail	engrshahid@neduet.edu.pk engrshahidsiddiqui@gmail.com	
Contact No.	+92-347-2693646	
Father name	Muhammad Abdul Hai	
PEC no.	CHEM/14425	
CNIC	42501-4961899-7	

EDUCATIONAL & PROFESSIONAL QUALIFICATIONS

Degree / Certificate	Institute	CGPA/Grades	Year
Masters in Chemical Engineering	NED University of Engineering and Technology	3.69 Stand 1 st	2018
Bachelors in Chemical Engineering	University of Karachi	3.125 Stand 7 th	2015
Higher Secondary School Certificate	Govt. Superior Science College, Karachi	1 st division	2011
Secondary School Certificate	Aamir Secondary School, Karachi	1 st division	2009

PROFESSIONAL EXPERIENCE

1. Organization	Designation	Duration
Department of Chemical Engineering, NED University of Engineering and Technology	Lecturer	Feb 2019 to date

Courses Conducted:

- Transport phenomena
- Heat Transfer
- Chemical Engineering Thermodynamics-I
- Chemical Engineering Thermodynamics-II
- Fluid Mechanics-II

Labs Conducted:

- Chemical Process Control
- Heat Transfer
- Chemical Engineering Thermodynamics-II
- Fluid Mechanics-II

Project Supervision:

- Recovery of High Speed Diesel (HSD) from reduced crude of Atmospheric Distillation by its further Distillation and Subsequent Thermal Cracking of Wax.
- Solvent De-Asphalting for 200,000 Barrels per day refining based on DAS (UAE) Blend Crude.
- Heat Exchanger Fouling Model & Preventive Maintenance Scheduling Tool.

Departmental Responsibilities:

- Final Year Design Project (FYDP) Coordinator.
- Industrial Liaison committee member.

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2. Organization	Designation	Duration
Department of Chemical Engineering, University of Karachi	Teaching Assistant	July, 2017 to Dec, 2018
<p><u>Courses Conducted:</u></p> <ul style="list-style-type: none"> • Fluid Mechanics • Heat Transfer • Particulate Technology • Transport Phenomena • Chemical Engineering Thermodynamics-II <p><u>Labs Conducted:</u></p> <ul style="list-style-type: none"> • Fluid Mechanics • Particulate Technology • Heat Transfer • Chemical Process Technology <p><u>Project Supervision:</u></p> <ul style="list-style-type: none"> • Process Design of 55 MMSCFD Pretreatment Unit of LNG Plant 		

UNDERGRADUATE INTERNSHIP

1. Organization	Designation	Duration
Novatex Limited	Internee	Three Weeks
<ul style="list-style-type: none"> • Observed the operation and maintenance of equipment's. • Understand complete process about formation of PET. 		

2. Organization	Designation	Duration
Pakistan Council of Scientific & Industrial Research	Internee	Two Weeks
<ul style="list-style-type: none"> • Observed different equipment's such as double pipe and shell and tube heat exchangers, different types of dryer, boiler and batch reactors etc. which are used in chemical industries. 		

FINAL YEAR DESIGN PROJECT

<ul style="list-style-type: none"> • Design of 100 MMSCFD LNG Production Plant by Expansion Cycle System. • Simulated on Aspen HYSYS 7.3, Designed separators, pumps, compressors, expanders, heat exchangers, line sizing, Applied Instrumentation & control, HAZOP study and Economic assessment.

COMPUTER PROFICIENCY

Engineering Software's	Software Package's
<ul style="list-style-type: none"> • Aspen HYSYS 10 • HTRI 3.0 • Krof 2.0 	<ul style="list-style-type: none"> • MS office • AutoCAD 2008 • GAMBET & FLUENT

REFERENCES

<ul style="list-style-type: none"> • Name: Dr. Syed Ali Ammar Taqvi Designation: Assistant Professor Email: aliammar@neduet.edu.pk Contact: +92332-3219596 Address: Department of chemical Engineering, NEDUET. 	<ul style="list-style-type: none"> • Name: Dr. Faizan Raza Designation: Assistant Professor Email: razafaizan@neduet.edu.pk Contact: +92316-1609147 Address: Department of chemical Engineering, NEDUET.
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