

### PROFILE:

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- A quality oriented professional.
- Accomplished educator with demonstrated ability to teach, motivate and direct students while attaining high interest and achievement.
- Proficiency in handling the administrative activities entailing training/ seminars and upholding of institutions motto.
- Experience & skills in developing curriculum to accommodate different learning styles and maximizing student's comprehension.
- Effective communicator with excellent planning, organizational and negotiation strengths as well as ability to lead, establish goals and attain results.

### ACADEMIC QUALIFICATION:

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- **Masters in Engineering (Chemical)** 2011-2013  
*NED University of Engineering & Technology*
- **B.E Chemical Engineering** 2006-2010  
*NED University of Engineering & Technology*

### Professional Experience:

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**Lecturer, Department of Polymer & Petrochemical Engineering (April 2011- Present)**

#### *Taught Course:*

- Process Equipment Design
- Separation processes
- Heat Transfer
- Chemical Reaction Engineering
- Fuel & combustion
- Thermodynamics II
- Fluid Mechanics
- Thermodynamics I
- Petroleum & Petrochemical products

#### *Administrative Responsibilities:*

- Performing responsibilities of Area Coordinator.

- Performing responsibilities of Class Advisor.
- Organized different technical seminars for students.
- Performing responsibilities of Duty Society coordinator.

### *Other Assignments:*

- Responsible for carrying out teaching and research duties.
- Involve in designing new courses.
- Involve in commissioning of equipment.
- Project advisor of Final Year Projects.
- Conducted workshops on DCS System.
- Conducted Labs on HYSYS.
- Worked in bid evaluation committees.

## **RESEARCH WORK:**

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### *Publications:*

- Nadia khan, Asra Nafees , A hussain,: “Exploring the properties of recycled tire rubber for flexible asphalt pavement.” Journal of Basic and Applied sciences,2017, 13, 335-339

### *Conference Papers:*

#### **Author and Presenter;**

- **Title:** Simulation of Coal slurry burner using Fluent presented at; 1<sup>st</sup> International Conference Advanced Material and Process Engineering 2015.
- **Title:** Synthesis and Rheology of Coal water slurry presented at, 1<sup>st</sup> International Conference Advanced Material and Process Engineering 2015.

### *Final Year Project:*

**Title:** Design of viscosity breaking unit to thermally crack the furnace oil for the production of mid distillates.

- A design based project supervised by Enar Petrotech.
- Simulation of Viscosity breaking unit on Aspen Hysys.
- Compare and replace recent technology with the latest technology.
- To make the project cost effective.

## **PROFESSIONAL DEVELOPMENT:**

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- Workshop on “Findings from Mass Spectroscopic data and How to analyze the mass spectra”, LEJ campus Karachi University.
- 5 days Training on “IRCA Lead Assessor Course ISO 9001-2015”, NEDUET, Karachi.
- QEC Training “Quality Management system” NEDUET, Karachi.
- Training on “Importance of Feed Back”, NEDUET, Karachi.

- 3 days' workshop on "Quality Management Control & Assurance", NEDUET, Karachi.
- 3 days' workshop on "Effective Presentation & Communication skills", NEDUET, Karachi.
- 3 days' Workshop on " Alternate Energy Techniques"
- Training on "Duties & Responsibilities of Class Advisor", NEDUET, Karachi.
- 2 days' workshop on " IT tools for Academic profession", NEDUET, Karachi
- 3 days' workshop on " Effective Teaching Practices", NEDUET, Karachi

### *Workshop Organized:*

- Conducted 5 days' workshop on "DCS Operation of Atmospheric distillation Unit" in 2016.
- Conducted 5 days' Workshop on "DCS Operation of Steam Generation Unit" in 2016.
- Conducted 5 days' workshop on "DCS Operation of steam Generation Unit: in 2015.

### *Seminar Organized:*

- Seminar on Environmental Health & Safety Mr. Humayun Naseer & Mr. Ahmed Ali Baig, Tri-Pack Films Ltd.
- Seminar on Technicalities of Distillation Column by Mr. Sohail Malik & Mr. Farzan, Bashir ENAR Petroleum Ltd.
- Seminar on Process Safety by Mr. Mr. Ziauddin, Abu Dhabi National Oil Refinery.
- Worked as volunteer in 1<sup>st</sup> International Conference Advanced Material and Process Engineering.

## **INTERPERSONAL SKILLS AND CAPABILITIES**

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- Strong problem solving skills and exceptionally fast learner.
- Excellent written and oral communication skills.
- Computer proficiency.
- Presentation skills
- Admirable team player

## **COMPUTER SKILLS:**

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- MS Office
- Visio
- Aspen HYSYS
- Aspen Plus
- Aspen Catcracker
- Aspen Energy Analyzer
- Aspen Adsorption
- Ansys Fluent

## **LINGUISTIC SKILLS:**

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- English (Fluent in Speaking, Writing, Reading & Listening)
- Urdu (Fluent in Speaking, Writing, Reading & Listening)

## **EXTRA CURRICULAR ACTIVITIES:**

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- Books Reading, writing, travelling, Internet Browsing

## **PERSONAL INFORMATION:**

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Father's Name	:	Sabir Hussain Khan
Date of Birth	:	09-01-1988
Nationality	:	Pakistani
Religion	:	Islam
N.I.C No.	:	42101-4674599-2
Domicile	:	Karachi

## **REFERENCES:**

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*Reference will be furnished if required.*