Salman Ali khan

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Educational Qualification

April 2013-November 2015   **Masters of Science in Chemical and Energy Engineering**
Otto-von-Guericke University Magdeburg, Germany

Master Thesis topic: Computational fluid dynamics (CFD) Simulation of considering the effect of burner arrangement on the penetration depth and flame length in normal shaft kiln using Porous Media Model

- Developed a 3D steady state Symmetric model of a Normal Shaft kiln by using GAMBIT and ANSYS FLUENT at Institute of Fluid Dynamics & Thermodynamics, Otto-von-Guericke University.
- The aim of this research thesis was to study and develop the best possible way of arranging burners in the normal shaft kiln, which are viable for the demand of real industry.

March 2008-March 2012   **Bachelor of Engineering in Chemical**
Dawood University of Engineering & Technology, Karachi

- **Bachelor Final year Project:** Stabilization of Naphtha and Recovery of LPG by using HYSYS.

Other Project

May - 2010   **Processing of Soft Dates (Date Palm) and extraction of its valuable products.**

- The Project was related to the cost effective methods of processing the soft dates and extraction of its valuable products using mechanical/ chemical techniques.
- This project was exhibited in the 4th & 5th International Food, Agri & Livestock exhibition, Karachi.

Working Experience

August 2016 - to Present   **Lecturer**
Department of Food Engineering
NED University of Engineering & Technology, Karachi

HSE (Health, Safety & Environment) Certification

09 March -12 March 2016	**IOSH Managing Safely** (SHEILDS Ltd United Kingdom) Training Institute - Pak Safety Solution Karachi, Pakistan
08 - March 2016	**HABC Level - 2 International Award in Fire Safety**
07 - March 2016	**HABC Level - 2 Award in Health and Safety in the Workplace**

Internship / Training

June 2011-August 2011   **National Refinery Limited, Pakistan**

- **Intern** (Production Department of Fuel and Lube Refinery Section)
- Internship was focused on developing Engineering knowledge about the refining process of Crude oil.

Additional Skills & Languages

Computer Skills:	Microsoft Office 365, Ms Project, Adobe Photoshop
Modeling Software:	ANSYS FLUENT, Gambit, Aspen HYSYS, Star CCM+, MATLAB
Languages:	English (Professional Working Proficiency)
	German (Limited Working Proficiency)
	Urdu (Native)
Membership:	Registered Engineer – (Pakistan Engineering Council)

Extra Activities

Voluntary Work: Flood prevention in Germany- 2013 and Flood prevention in Pakistan - 2010.

Photography: Cover many indoor and outdoor University & Pakistani community Events in Germany.

References

1) **Dr . rer . nat . Werner Hintz**

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2) **MS.c Kamyar Muhammadpour**

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