

Curriculum Vitae

Muhammad Umar

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PEC N0: CHEM/16017



OBJECTIVES:

To obtain a challenging position in a high quality engineering environment where my resourceful experience and academic skills will add value to organizational operations.

EXPERIENCE:

1. Cherat Cement industry (21 July 2016 – 31 August 2016)

During the internship, I have been a part of various sections of production department; crusher, raw grinding units, pre-heater and kiln, laboratory, cement mill, packing plant, where I learnt the working principle of various equipments that were utilized as a part of various section.

2. Dhakni Oil Processing & Oil Fields (OGDCL): (15 September 2017– 15 October 2017)

Hired by Pak Arab Engineering Limited for shutdown.

3. Premier Formica Industry: (28 November, 2017 till 28 December, 2017)

During my internship my responsibility was,

Monitoring overall process. Checking chemical percentage on all types of papers. Performing different experiments in laboratory. Checking samples on MDF, checkboard, formica, Bakelite.

EDUCATION:

Degree/ Certificate/ Training	Year	Institute	Discipline	Division / CGPA
MS †	2018-2020	Ghulam Ishaq Khan Institute, Topi	Chemical Engineering	3.9
BSc ‡	2013-2017	University Of Engineering and Technology, Peshawar	Chemical Engineering	3.06
F.Sc §	2011-2013	Govt College, Peshawar	Pre- Engineering Group	1st Division 80%
S.S.C **	2009-2011	Peshawar Model School Ring road, Peshawar	Science Group	1st Division 81%

BACHELOR PROJECT:

PROJECT IN FINAL SEMESTER:

Design of Waste Water Treatment Plant for Car Wash Stations.

Discription:

The study was aimed to explore the pollution potential of automobile service station wastewater and to develop a process for its treatment. The wastewater was first treated in coagulation and flocculation tank then it is passed through granular filter (Sand & Gravel Filter) which result in treated water, which can be reuse for car washing purposes. The main purpose was to reuse and recycling of car wash wastewater and formed a sustainable solution to reduce the overall water demand to conserve the fresh water.

Research Paper:

Design of Waste Water Treatment Plant for Car Wash Stations. (Under review)

SOCIAL ACTIVITIES AND HONORS:

Served as “Director of Web developer” in Society of Automotive Engineers, 2015-17.

Served as “Director of Sponsorships” in Pakistan Institute of Chemical Engineers 2016-17.

† *Master of Science*
‡ *Bachelor of Science*
§ *Fellow of Science*
** *Secondary School Certificate*

Organizer at “Automania’16” Organized by Society of Automotive Engineers UET Peshawar.

Certificate of Participation in “Annual Invention to Innovation Summit 2016” organized by “Office of Research Innovation and Commercialization (ORIC)”

Certificate of Appreciation in Honor of Anomalous Performance with Allegiance as “Head of Facilitator to organizer” in Autoexpo 2016 Car Show organized by SAE and ASHRAE UET Peshawar.

Attended 3rd conference on Sustainability in Process Industries (SPI-2016).

Attended “Webinar on gPromos” organized by Pakistan Institute of Chemical Engineers.

Got appreciation letter from PICHE.

Got laptop from Prime Minister Laptop Scheme.

COMPUTER LITERACY:

I am well versed with computer hardware and software knowledge. The softwares I know best are the following.

Microsoft Office:	Word, PowerPoint, Excel, Visio
Application Software:	Design expert, AutoCAD, Turbo C++, Corel draw, Photoshop, COFE , MATLAB, gPromos, Comsol, Hint
Operating Systems:	Windows XP, 7, 8, 8.1, 10

AREAS OF INTEREST:

Membrane process , Process simulation & optimization, Mass transfer, Heat transfer, Environmental pollution.

PERSONAL INFORMATION:

Father's Name: Amir Gul
Date of Birth: 20th September 1994.
NIC^{††} #: 17301-4563158-9
Place of Birth: Peshawar
Religion: Islam
Nationality: Pakistani
Domicile: Khyber Pukhtunkhwa

^{††} National Identity Card