

ABDUL SAMAD

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Objective:

“To accept challenging and responsible position in a growing and dynamic organization which would combine my theoretical and practical insights with experience that develop, nurture and mature me as a professional.”

Qualification:

- **Bachelor in Industrial Chemistry**
NED University of Engineering and Technology, Karachi
CGPA : 3.249 , 2017
- **Higher School Certificate (H.Sc. Pre. Engg.), Intermediate Board, Karachi**
Govt. Degree College SRE Majeed Karachi. **Percentage: 76%**, A- Grade
- **Secondary School Certificate (Science Group), Secondary Board, Karachi**
Metropolitan Academy Karachi. **Percentage: 82%**, A-1 Grade

Working Experience:

- **Attock Cement Pakistan Limited (May 2018- to date)**



On behalf of Aqua Regia Pvt Ltd, currently working as **Site Engineer in WHRS department** from May 2018 to yet, related to whole water treatment process and laboratory jobs for 12MW of power generation by waste heat recovery from suspension pre-heater and from secondary air cooler of the kiln system which includes following jobs:

Responsibilities:

Following are some major responsibilities which I am fulfilling with team work in Attock Cement Pakistan Limited:

- ✓ Raw Water Clarification
- ✓ Cooling Tower System and Treatment
- ✓ Reverse Osmosis Plant
- ✓ Boiler and Condensate Water Treatment System
- ✓ Complete chemical Analysis of related water treatment

Culligan Water Karachi (October 2017 – April 2018)

Currently working in Culligan Water Karachi as a **Production officer.** For serving Culligan through my managerial, Technical, analytical and problem-solving.



Responsibilities:

Following are some major responsibilities which I am fulfilling with team work in Culligan Water Karachi:

- ✓ Planning, scheduling, managing and monitoring routine & priority based production officer with the best available combination of site realities.
- ✓ Monitoring pretreatment (Chlorination, antiscalant) RO process monitoring and pre and post treatment (Ozonation)
- ✓ Monitoring addition of minerals according to requirement against TDS..
- ✓ Monitoring filling, capping, and neck sealing, labeling and packing machine.
- ✓ Managing daily production according to production plan.
- ✓ Online and off line membrane cleaning working.
- ✓ Monitoring CIP (Clean in Place) on weekly basis.

Internship Experience:

SUPARCO Environmental Laboratory.

(Dec, 2016.Eightweek)

Pakistan Space and Upper Atmosphere Research Commission (SUPARCO), the national agency. SUPARCO is mandated to conduct R&D in space science, space technology, and their peaceful application in the country.

Have a priceless experience of working in SUPARCO where I have learnt the how to work in an industrial environment and gained a precious practical experience of different instruments handling and samplin



Responsibilities:

Following are some major responsibilities which I am fulfilling with team work in SUPARCO:

- ✓ To measure and study the parameter of soil which was collected in Gilgit Baltistan Survey. (19 samples)
- ✓ To access the Water Quality Index of the rivers, tributaries and confluence areas of

- the HKH Regions that feeds the lifeline i.e. River Indus of Pakistan.
- ✓ Automated Weather Stations, ICPMS, GC-MS were thoroughly observed, analyzed and operationally sought.

Final Year Project:

Purification and Characterization of Bio-surfactant:

- ✓ Analyzed Bio-Surfactant used in Chemical Industries.
- ✓ Purify Bio-Surfactant by Chromatography (TLC , GC, HPLC).
- ✓ To determine its property and stability.
- ✓ To determine its compositions by Spectroscopy (IR,NMR,C13)
- ✓ To determine its Rate Kinetics.

Academic Project:

- ✓ Manufacturing of **Charcoal Soap** as a consumer product for our **Cosmetic & Surfactant** course.
- ✓ Isolation of different compounds from **Neem & Conocarpus** leaves extract collected at the premises of NED University.
- ✓ Green synthesis of **Copper Nano particles** by neem leaves extract.
- ✓ Made a **BIO GAS DIGESTER** to produce gas from Organic and Kitchen waste and display it in the exhibition at IBA AMAN CED.

Industrial Visits:

- ✓ **PCSIR Laboratories Complex:**
To enhance skills & knowledge about chemical instruments (HPLC, Spectrophotometer etc)
- ✓ **Clariant Pakistan Limited:**
Production of master batches and different polymer product.
- ✓ **Amreli Steel:**
To know about the journey of Amreli Steel, and Study of their production and visit their Chemical labs.
- ✓ **Fauji Fertilizers:**
Basic knowledge of synthesis of ammonia for Urea production

Awards & Achievements:

- Graduated and certified as engineer entrepreneur from the course “**Entrepreneurship for Engineers**” at IBA Aman CED main Campus.
- Awarded four years scholarship by **Professional Education Foundation**
- Attended several Workshops & Seminars at **NED University of Engineering & Technology**
- Served as the Class Representative at **NED University of Engineering & Technology**
- Served as the **Class monitor, Metropolitan Academy**

- Served as the **Captain of Cricket Team, Metropolitan Academy.**

Relevant Skills:

✓ **Computer Skills:**

- MS word, MS excel, Power Point
- Basic Programming (DEV C++)

✓ **Managerial Skills:**

- Outstanding leadership skills
- Marvelous communication, interpersonal, and management skills
- Excellent management potentials with strong confrontation, persuasion and planning capabilities maintaining all office documentation with proficiency
- Good systematic and analytical problem solving approach
- Function well as both independently and as a team member
- Adapt easily to new concepts and can adapt myself in an Environment of changing circumstances

✓ **Technical Skills:**

- Practical experience on UV-visible Spectrophotometer.
- Chromatography (Ion Exchange, Thin Layer, Column)
- Salt Analysis.

✓ **Sportsman Skills:**

- Current player of Department Cricket Team.
- Played many tape ball and hard ball cricket tournaments
- Organized many day and night cricket tournaments.

Personal Data:

➤ Father's Name	Muhammad Ilyas
➤ Date of Birth	23-06-1993
➤ CNIC #	42101-7826025-3
➤ Religion	Islam
➤ Domicile	Karachi
➤ Marital Status	Single
➤ Languages	English, Urdu, Memoni

Reference:

- References will be gladly furnished if required