

**Hafiz Inam Ullah Khan**  
BS (Chemical Engineering)  
Gold Medalist  
MS (Chemical Eng.) (RA)



## PERSONAL INFORMATION

Nationality: Pakistani  
Date of birth: 14-03-1988  
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## PROFESIONAL EXPERIENCE

### Total Experience 11-years

- Currently **working as, a Lab Staff (Biotechnology Lab)** in Environmental department(**IESE**) National university of science and technology (**NUST**) Islamabad. As Lab Instructor I have worked to establish new laboratories related to Applied Thermodynamics, Heat Transfer and Applied Chemistry Lab. Instruments training on installing to functioning stage. Separating different mixtures, to find milting & boiling points of different Organic compounds. To find pH, TDS, TSS, Turbidity, Conductivity, TKN, total Ammonia, total Nitrates, Phosphates, Jar test for Coagulation and flocculation, COD, BOD, Hardness, Chlorides, Sulphate, heavy metals (As(mg/kg), Lead (Pb)(mg/kg), Ca, Mg, Antimony(Sb)(ppm), Cu, Silver(Ag), Gold (Au), Iron (Fe), SiO<sub>2</sub>, Fe<sub>2</sub>O<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub>, Na<sub>2</sub>O, K<sub>2</sub>O, Moisture, Swelling test (**Through XRF**), Alkalinity, Antibiotics Determination (HPLC), Uric Acid, Microbiological testing in which we performing usually three tests **LTB** (Loral tiptoes broth), **BGLB** ( Brilliant green lactose bile ) **EC**( ecology coliform) and Salinity of water by using Water Analysis Kit. to find Ionization Potential of Mercury, to study the characteristics of a transistor, to find the value of “H” by tangent galvanometer, to find the E/M of electron by deflection methods.
- MS topic “**Fabrication of polymeric membrane for water treatment by using reverse osmosis technology**” (knowing **SEM, XRD, FTIR, Atomic adsorption Spectrophotometer(AAS)** (**2-publications**))
- **2-years** worked as a Lab Staff in **RAK American University (UAE)** (from 2015 to 2017).
- **3-years** worked as a **Lecturer (Theory + Lab)** in the Department of **Chemical Engineering BUIITEMS Quetta Pakistan (from 2013 to 2015)**.  
Assigned responsibilities in the department are theory as well as **laboratory instructor**. Subject taught are “ Applied thermodynamics, Fluid Mechanics, Heat Transfer, unit operation, simultaneous heat & mass transfer, transport phenomena, Chemical Engineering Design, Chemical Process Principle (CPP), Chemical Process Technology (CPT), Environmental Engineering, Thermal Energy, Applied Chemistry, Chemical Engineering Design Plant & Industrial Distillation etc.

- **2-years worked as Shift Engineer in Oil Refinery(NRL).** From 08/08/2011 to 08/05/2013. During this period worked in technical Services Department, got 2.60/3.00 performance Rating and have been placed in outstanding category of performance Evaluation system. This duration has covered different courses like **H<sub>2</sub>S** Rescue and Alive, Psycho-social Behavior with HSE three days special training, Crude Distillation Unit (CDU), Vacuum Distillation Unit (VDU), Shell & tube type Heat Exchanger Pressure drop calculation, Loading and Unloading of adsorbent activity on Chloride treated, De-mineralized water treatment plant, water tube boiler, cooling tower (Induce draft), Power required for dynamic pump calculation.
  - Prepare and check daily production/energy and utility consumption reports for the whole Plant in order to have a better picture of plant efficiency.
  - Provide technical support to plant operations along with strategic initiatives for process optimization and loss management techniques to improve plant production.
  - Acting as an interface among Operation, Laboratory, Maintenance, Instrument, & Electrical departments of the company. Provided proactive day-to-day support to production and maintenance teams with respect to optimum, efficient and safe process.
  - Ensure safety on the plant and taking vital steps to improve efficiency of the process with optimum performance.
- Successfully completed **6 weeks** training as an internee of **Pakistan Ordnance Factory (POF)**. In this period worked on different section of Explosive factory.
  1. Oleum Plant
  2. Concentrated Nitric Acid(CAN)
  3. Weak Nitric Acid(WNA)

## ACADEMIC QUALIFICATIONS

Degree	University/Institute	CGPA/ Grade
MS in Chemical Engineering	NUST University Pakistan as a RA(Research Assistant)	CGPA:3.60/4.00(A)
BS Chemical Engineering	BUIITEMS Pakistan	CGPA:3.80/4.00(A) (1st position in class)
F.Sc(Pree- Engg)	Govt. Degree College PaharPur Pakistan	78%(A)
Matric (Science)	Govt High School PaharPur Pakistan	81%(A)

## CAREER OBJECTIVE

To find myself a career in a challenging environment where I can polish the skill acquired from education & to contribution to the best of my abilities in the growth of the firm for which I work.

## FINAL YEAR PROJECT (BS Chemical Engineering)

### Crude Oil Fractional Distillation

- To Remove CO<sub>2</sub> and other impurities from Natural Gas through Membrane Technology.
- Designing of Cooling towers & Double Pipe Heat Exchanger.
- Waste water treatment Process engineering / production by using reverse osmosis technology.
- Health and safety department.
- Simulation of Natural Gas Sweetening process by Dimonoethanol on (HYSYS3.2).
- Coal Gasification of Bituminous Coal (Sor Range Deghari Coal Field).

## COMPUTER SKILLS

Software Office Automation. Developing and Operating Tool

C- Programming. Window XP.

## CO CURRICULAR ACTIVITIES

- Current Affairs.
- Books Reading.

## AWARDS

- Secure Best Teacher award from Iqra college
- Secure Best Teacher award from BUIITEMS University Pakistan.
- Got Outstanding Performance certificate from National Oil Refinery(NRL)
- Got 1<sup>st</sup> Position in Karate competition (Quran- e-Majid)

## LANGUAGE SKILLS

- English
- Urdu
- Arabic
- Pashto
- Saraiki

## REFERENCES

S.no	Name	Designation/Organization	Contact no
3	Prof.Dr.Muhammad.Arshad	Professor/IESE ,NUST	+923325523665
1	Hesham Al Achkar	Associate Dean Of RAK American University (UAE)	+971561551298
2	Dr.EhsanUllah kakar	Vice Chancellor , (UET Khuzdar)	+923444444782