

KADEEJATHUL KUBRA

Location: Sharjah, UAE

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PROFESSION: CHEMICAL ENGINEERING

PROFESSIONAL SUMMARY

To pursue my passion of becoming an eminent chemical engineer and a personality that would result in prosperity of the company, family and the environment around me. I worked on various project through academic practice and voluntary work especially in waste water analysis, testing, design of process equipment, Modelling and simulation. Currently working as a Chemical Engineering Expert in an education industry with sharing and solving the problems related to chemical/ environmental engineering.

SOFTWARE SKILLS

Microsoft Office | AutoCAD (CHEMCAD) | MATLAB | ANSYS (Fluent) | Aspen Plus/ HYSYS |
Unisim | Minitab |

SOFT SKILLS

- Laboratory Testing Analysis and monitoring, quality testing, Chemical Analysis.
- Analytical equipment Operation (HPLC, GC, UV, FTIR).
- Process design, process simulation and modelling.
- Process safety and cost analysis.
- Planning and organization skills.
- Excellent Problem solving skills and analytical skills.
- Dedicated nature with hard working.
- Good leadership quality and team management.

EXPERIENCE

Chegg India Pvt Ltd, New Delhi, India

Expert in Chemical Engineering

03/2020-09/2021

- Solving chemical engineering problems with fundamental engineering principles.
- Applying chemical engineering principles towards process and product development.
- Applying Environmental Engineering principles toward water, surface, sewage treatment.
- Quality analysis various substances as per their calculations and find their composition.
- Development of layout and Process flow diagram as per requirement.
- Hazard analysis, severity calculation and documentation of the risk based on the given scenario.
- Conduct qualitative empirical research based on a scenario and documentation.

Fertilizer and Travancore Ltd, Kochi, Kerala, & Govt Engineering College, Thrissur.

Project trainee

11/2018 - 06/2019

- Study on type of process and type of equipment for the production of ammonia.
- Steady state and Dynamic simulation, Energy analysis
- Analysis on type of controls used and interaction between the controls.
- Hazard analysis, Energy optimization, and optimization studies for the production.

- Energy analysis, Simplification, optimization of process and retrofitting analysis of P & ID.
- Comparison of simulation result with real plant data and documentation.

Health and Family Welfare Department, Thrissur, Kerala

Chemist (Volunteering Activity during 2018 Flood in Kerala)

06/2018 - 11/2018

- Test the drinking water quality of well water in every home of flooded areas.
- Perform testing for turbidity, pH, Dissolved Oxygen, residual Chlorine, and E-coli.
- Analyze each of them and their composition in drinking water.
- Compare the results and Identify tested water that does not meet standards.
- Suggest the remedies to meet the standards.
- Write a technical report to the management based on the investigation.

EDUCATION

Master of Technology in Process Control

Government Engineering College Thrissur, Kerala
(Affiliated to Kerala Technical University)

2017 - 2019
CGPA: 9.1/10

Bachelor of Technology in Chemical Engineering

Government Engineering College Calicut, Kerala
(Affiliated to Calicut University)

2013 - 2017
CGPA: 8.88/10

ACADEMIC PROJECT

- A detailed study on Edible coating and edible film as food cover/film/food plate, Edible water beads
- Study on the manufacture of Titanium Dioxide pigment by chlorination process and modification of design of condensing column cooler.
- Study on Heavy metal removal from waste water and Experimental analysis
- Characterization of Hospital Waste Water & Design of Activated Sludge Reactor
- Di-chlorination of drinking water using vitamin C compound – sodium ascorbate

LANGUAGES KNOWN

English | Hindi | Urdu | Malayalam

PERSONAL DETAILS

Date of birth : 28-08-1994
Nationality : Indian
Visa Status : Husband Visa

DECLARATION

I hereby confirm that all the information in this document is accurate and true.

KADEEJATHUL KUBRA