

KADEEJATHUL KUBRA

PROFESSION: CHEMICAL ENGINEERING

PROFESSIONAL SUMMARY

A focused and ambitious chemical engineering postgraduate with a special interest in process design, analysis, Modelling and simulation. Possesses strong analytical and problem-solving skills developed through academic practice and voluntary work. Well determined and dedicated person who can contribute to the process development in designing of equipment's and perform process safety analysis. Looking to make career in project plant commissioning, process design and proposal/estimation, research and development to achieve high career growth through the continuous process of learning for achieving goals and keeping myself dynamic in the changing scenario to become a successful professional and leading to best opportunity.

EXPERIENCES

Ansar Harford FZC, Ajman, UAE

Quality Control Engineer

01/2022-Present

- Conducting and supervising Incoming raw materials and final products.
- Assist the audit team in creating audit reports; present audit reports to top management.
- Examining the procedures that the production process consists of, Developing Formulation, Costing for the new products.
- Conducting new experiment, formulation for the product development.
- Knowledge of GMP, QMS, and Preparation of SOPs.
- Co-ordinating with the authorized agencies to obtain product registration certificates, ex: ESMA, MONTAJI
- Working with sales and procurement teams.

Chegg India Pvt Ltd, New Delhi, India

Freelance Expert in Chemical Engineering

03/2020-12/2021

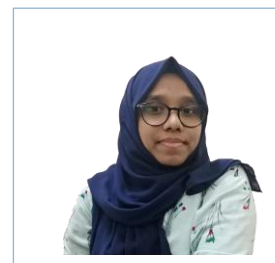
- Solving chemical engineering problems with fundamental engineering principles.
- Applying chemical engineering principles towards process and product development.
- Design of waste water treatment plant, Process design and calculations.
- Development of layout and Process flow diagram as per requirements.
- Hazard analysis, evaluation, severity calculation and documentation of the risk.
- Conduct qualitative empirical research based on a scenario and write reports.

Fertilizer and Travancore Ltd, Kochi, Kerala.

Research Intern

10/2018 - 06/2019

- Study on P & ID diagram and simulation in the UNISIM Design Software.
- Steady state, Dynamic simulation, and Energy analysis
- Analysis on type of controls used and interaction between the controls.
- Hazard analysis, Energy optimization, and optimization studies for the production.
- Heat exchanger network design, Process integration, Simplification, optimization and retrofitting analysis of P & ID.
- Write a detailed Report based on the Research findings.



PERSONAL INFO

Current Location

Sharjah, UAE

Phone

+971 581703994

Email

kubrapulikkal@gmail.com

Date of Birth

28/08/1994

Nationality

India

Status: 1 Month Notice Period.

Visa Status: Residence Visa

SOFT SKILLS

- Laboratory Testing Chemical Analysis and monitoring, quality testing etc.
- Analytical equipment Operation (HPLC, GC, UV, FTIR).
- Process design, calculation.
- Process Simulation & Optimization. (Steady-state and Dynamics).
- Develop and maintain process related documents.
- Process Safety Studies (HAZOP, HAZID, FMEA, etc.)
- Development of Drawings (Block diagram, UFD's, PFD's and P&ID's.)
- Cost Analysis
- Process integration.
- Technical report writings.
- Product development and formulation.

- Teaching and supervising graduate and under graduate students.
- Provide support in research activities.
- Serve and support functional activities of departmental committees and National Board of Accreditation.
- Assist and support professors in developing curriculums and course material.

LANGUAGES

English	<div><div></div><div></div><div></div><div></div><div></div></div>
Hindi and Urdu	<div><div></div><div></div><div></div><div></div><div></div></div>
Malayalam	<div><div></div><div></div><div></div><div></div><div></div></div>

EDUCATION

Master of Technology in Chemical engineering Process Control

Government Engineering College Thrissur, Kerala 2017 - 2019
(Affiliated to Kerala Technical University) CGPA: 9.1/10

Bachelor of Technology in Chemical Engineering

Government Engineering College Calicut, Kerala 2013 - 2017
(Affiliated to Calicut University) CGPA: 8.88/10

ACADEMIC PROJECTS

Simulation of Ammonia Synthesis Loop and HAZOP Study

Haber-Bosch process | Industrial research | process modeling | P&ID Preparation | steady state simulation-analysis | Dynamic simulation -analysis | Process Control | HAZOP analysis | Dynamic simulation-based HAZARD analysis | Heat Integration | Cost estimation | UNISIM design software.

3-D Simulation of Cyclone Separator

Types of Cyclone | Design of Cyclone | CFD simulation | Discrete phase model (DPM). Publication URL:
<http://dx.doi.org/10.2139/ssrn.3441345>

2-D Simulation of Biomass Pyrolysis in Fluidized Bed (Main Project)

CFD simulation | Fluidized bed | Biomass pyrolysis | Hydrodynamic Study (Cold Bed Model) | Thermal Flow Behavior with Solids | Reaction Modelling

Characterization of Hospital Waste Water & Design of Activated Sludge Reactor

Physical and chemical characteristics | preliminary-primary-secondary-tertiary treatment | water treatment plant study | design of activated sludge process reactor

DECLARATION

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

KADEEJATHUL KUBRA