

## MIZAJ - M

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**PROFESSION: CHEMICAL ENGINEER**

### PROFESSIONAL SUMMARY

A focused and ambitious chemical engineering postgraduate with a special interest in process design and analysis. 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 equipments and perform process analysis. Also have hand-on knowledge in process design engineering with simulation. Looking to make career in teaching, project plant commissioning, erection, process design and proposal/estimation, 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.

### QUALIFICATION

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|---|-------------------|
| <b>❖ Master of Technology in Process Control</b>        | <b>July 2019</b>  |
| Government Engineering College, Thrissur                | <b>CGPA 9.1</b>   |
| (Affiliated to Kerala Technical University)             |                   |
| <b>❖ Bachelor of Technology in Chemical Engineering</b> | <b>April 2017</b> |
| Government Engineering College, Calicut                 | <b>CGPA 8.3</b>   |
| (Affiliated to Calicut University)                      |                   |

## ACADEMIC PROJECTS

### ❖ Master of Technology

**Project Title:** Preparation and degradation studies of biodegradable polystyrene composites

**Description:** The objectives of this project are to prepare cost effective biodegradable polystyrene-based composites which can be substituted to some extent to the widespread use of plastic products and thereby reducing burden to the environment. Although the prepared composites have tensile strength and flexural strength slightly inferior to neat polystyrene, they are suitable for use in manufacturing packaging products for food or disposable beverage containers (trays, cups, bottles, etc.) with the advantage of being biodegradable and thus promoting environmental care.

### ❖ Bachelor of Technology

**Project Title:** Study & design of sulphuric acid plant in Fertilizers and Chemicals Travancore Limited, Udyogamandal, Ernakulam

**Description:** The project considers redesign of the sulphuric acid plant to meet the required quality and quantity specifications. The work focuses on the material and energy balances, chemical design, mechanical design and economics of the plant. The internal rate of return was also fined out using the cash flows which includes the capital cost, manufacturing cost general expenses and the net profit.

## IN-PLANT TRAINING

- Undergone In-Plant training at The Fertilizers and Chemicals Travancore Limited, Udyogamandal, Ernakulam
- Undergone five-day training programme conducted by TRACES in 'Applied Chemical Engineering in Process Industries'

## **KEY SKILLS AND STRENGTH**

- Preparation of process flow diagram
- Preparation and updating process and instrumentation diagram
- process analysis
- Sizing of pump
- Planning and Organizing Skill.
- Positive attitude with goal oriented approach and Innovative mind with Cordial nature.
- High Problem solving skills and analytical skills.
- Dedicated nature with hard working.
- Team management skills.

## **PERSONAL INFORMATION**

Date of birth : 17-03-1996

Languages known : English, Hindi, Malayalam and Tamil.

Nationality : Indian

Passport Number : R 0356282

Driving License : Indian

Current Location : Qatar

## **DECLARATION**

I hereby declare that, the above information is true and correct to the best of my knowledge.

16/05/2020

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