

## Gaurav Kulkarni.

### Permanent Address –

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### CAREER OBJECTIVE

I would like to work as key player in a challenging & creative environment where I will get job satisfaction and explore which will sharpen and enhance my skill sets.

### SUMMARY

- B.E. in **Chemical Engineering**.
- **Currently working in Chemsys Process Engineering Pvt Ltd, Pune as a Sr.Process Engineer.**
- 2 years of experience in Chemical Process industry - **Project Engineering, Process engineering, PFD and P&ID preparation, process development, Basic engineering calculations, manufacturing etc..**
- Planning and scheduling for various engineering activities.
- Good knowledge of MS Office, **Aspen HYSYS, Aspen Plus,**
- Ability to work efficiently even under pressure during the critical periods of the project.

### WORK EXPERIENCE

Company: Chemsys Process Engineering Pvt Ltd. Dist. - Pune, State- Maharashtra ( June 2016 to Present)

#### Key Role & Responsibilities:

- Working as a **Process Engineer**.
- Estimation / engineering work related to bids.
- Process Design & Detail Engineering including performing process simulations (ASPEN HYSYS, ASPEN PLUS), design calculations, Process Optimization, sizing & selection of equipment etc. for awarded Projects. Review of Clients documents, specifications, datasheets, verification of FEED design & calculations.
- Preparation of various engineering deliverables (Drawings & Documents) such as Process Flow Diagrams, P&ID, Process Datasheets, Equipment Specifications and providing necessary engineering inputs to the other disciplines and other departments.
- To ensure proper division of work & responsibility among the team, providing proper guidance & integration of work done, ensuring good, positive & healthy working nature among the team of engineers to ensure optimum productivity & efficiency.
- Process Engineering, ASPEN HYSYS, ASPEN PLUS, ASPEN EDR training activity for fresher and experienced chemical engineers. .
- Responsible for implementation of ISO procedures.
- Responsible for quality deliverables to client.

## PROJECTS

### 1. Simulations service in ASPEN PLUS

This project based on providing simulation service to the client as per requirement. My role of work in this project was to perform the simulations for given processes in ASPEN PLUS and troubleshooting.

### 2. Methanol-Water purification system

This project is performed for achieving the Methanol with high purity(99.9 %). My role of work in this project was to perform the basic simulations, making the PFD and P & ID for given processes. Perform the heat and mass balance followed by basic equipment sizing as well as preparing Line list, Valve list and Instrument list.

### 3. Biodiesel Distillation system

This project is performed for achieving the Biodiesel with high purity(99.99 %). My role of work in this project was to perform the basic simulations in ASPEN HYSYS, making the PFD and P & ID for given processes. Perform the heat and mass balance followed by basic equipment sizing as well as preparing Line list, Valve list and Instrument list.

### 4. 1,4 Dioxane Distillation system

This project is performed for achieving the pure 1,4-Dioxane. My role of work in this project was to perform the basic simulations in ASPEN PLUS, making the PFD and P & ID for given processes. Perform the heat and mass balance.

### 5. Design study of R125 Distillation Unit

This project is performed for providing simulation service to the client as per requirement. My role of work in this project was to perform the simulations for given processes in ASPEN PLUS and troubleshooting.

## ACADEMIC BACKGROUND

Course	School/College	University	Year of Passing	Result
BE	AISSMS,COE	Pune	2016	65.06
12 <sup>th</sup>	Govindrao Jr College , Ichalkaranji	Kolhapur	2012	72.00
10 <sup>th</sup>	Vyankatrao highschool, Ichalkaranji	Kolhapur	2010	86.73

## TRAINING AND PROJECTS UNDERTAKEN (Educational)

### 1) TRAINING:

**COURSE:** Process Engineering Plant Design Course

**COMPANY/INSTITUTE:** CHEMSYS PVT. Ltd., PUNE

### 2) INTERNSHIP:

i. **COMPANY:** Gharda Chemicals, Chiplun, Nov 2014

ii. **COMPANY:** Priya Paints, Satara, June 2014

### 3) B.E Project:

**TITLE:** "Production Of Fuel From Waste Plastic"

**COMPANY:** I Ener Solutions, Nashik

## ACADEMIC/EXTRA-CURRICULAR ACTIVITIES

- Participated in Poster presentation competition organized by **CHEMCON,IIT, Guwahati** held on Dec 2015
- Participated in Science Exhibition competition organized by ENGINEERING TODAY,A.I.S.S.M.S,COE,PUNE held on Sept 2015
- Participated in State Level Seminar on 'Intensification of Chemical Processing using Novel Reactors' organized by A.I.S.S.M.S,COE,PUNE held on Jan 2015
- Volunteering in ENGINEERING TODAY-2014 organized by A.I.S.S.M.S,COE,PUNE held on Sept 2014

## SKILLS

- MS Office
- AutoCAD
- Aspen Hysys (Intermediate)
- Aspen Plus (Intermediate)
- Aspen EDR (Intermediate)
- HTRI (beginner)
- SULCOL
- Basic Engineering- PFD, HMBT
- Detail Engineering- P&ID, Equipment Sizing

## PERSONAL DETAILS

Date of Birth : August 06<sup>th</sup> 1994  
Father's Name : Chintaman Kulkarni.  
Mother's Name : Veena  
Gender : Male  
Nationality : Indian  
Languages Known : English, Hindi & Marathi  
Phone No (Home) : +91-8087308853  
Mobility : Willing to relocate anywhere in India and overseas.

I hereby declare that the above mentioned details are correct and true to my knowledge.

**Gaurav Kulkarni.**

**Date:**