**Pratiksha Dilip Chavan**

**Chemical Process Engineer**

Email: cpratiksha99@gmail.com **Contact Detail:** (+91) 7263838821

**Career Objective:**

To enlighten my career in an organization wherein application of both chemical engineering & inter-personal skills can be contributed effectively for the growth and prosperity of the organization. Ready to travel across India, ready to relocate as well as overseas for the accomplishment of the tasks given by organization.

**Experience**

**Since 1st Feb 2018 to till Engineer Consultant**

 **CITEC ENGINEERING INDIA PVT LTD**

 **Detail Engineering Design:-**

1. Preparation of PFDs & P&IDs for various systems like Fuel Gas, Lube Oil, Charge Air & Exhaust gas, Fuel Oil etc.
2. Reviewed vendor data, interfaced with client to ensure that issues within the P&IDs.
3. Making of Device lists, Tie-In lists, Equipment lists, Valve list.
4. Handling AutoCAD P&ID Software.
5. Material & Energy Balance.
6. Design of Fin Tube Heat Exchanger, Shell & Tube Heat Exchanger, N2 requirement etc.

 7) Participated in teleconference meetings.

 **Dec 2016-Jan 2018) Process Engineer**

 **AARTI DRUGS LIMITED**

 **Energy Utility, Equipment Design and Project Management**

1. Work on Various Project with basic engineering & slightly detail engineering.
2. Material balance & Energy balance of process.
3. Detail Equipment Designing and Preparation of data sheets for Vessel, Distillation Columns, Heat Exchangers, Agitator with Shaft, Cyclone Separator, Line sizing, Orifice plate, Vent sizing, Vapor emission, Boiler Efficiency etc.
4. Worked closely with R&D Scientists to develop, and test scale-up processes for new products/processes from lab procedures to high volume manufacturing
5. Calculation of Norms, Pump, line sizing with pressure drop etc.
6. Calculation of various process utilities required (Chilling, Cooling, Brine, Steam Requirement).
7. Considering of various Process and safety parameters while designing.

**Educational Qualifications:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Qualification** | **Board/University** | **Year**  | **Percentage** |
| 1 | B.E | Gharda Institute of Technology, Khed | 2016 | CGPA- 9.11 |
| 2 | HSC | Maharashtra Board | 2012 | First Class |
| 3 | SSC | Maharashtra Board | 2010 | First Class with Distinction |

**Aggregate CGPA- 7.8**

**Personal Development:** Active involvement in college annual functions wherein co-ordination & event management skills are applied to its best, taking self-challenges in studies & working hard to achieve the same. Setting long term & short term goals and defining a path for the same. Through analysis of problems in real line & taking road map to resolve the same.

**Academic Project Experience:**

**“Optimization of kinetic parameters for Coal Liquefaction”**

(Summary: This project was executed to find techniques of optimizing kinetic parameters for coal liquefaction process and study the different products like BTX extracted from it. Various techniques with different temp/pressure profile were tried enabling to optimize the kinetic parameters during the project & study its advantages in saving fuel and utility cost during the actual operations. Different equipment’s like Gas Chromatographer, Auto-Clave Reactor and Liquid Chromatographer were used to find results. A separate model for the same is also being developed in MATLAB)

**Industrial Training Know-how:**

Rashtriya Chemicals and Fertilizers Ltd, Alibag (Year 2014-2015)

(Summary of exposure: Understanding the production process of different fertilizers like Ammonium Sulphate, Urea, and Ammonium Nitrate etc. Understanding the working of the unit operations for the same like reactors, Distillation Columns & how the process is monitored. Understanding of roles, responsibilities and challenges of process engineers and field operator during Normal Operation, turn-up & turn down conditions, Understanding the production handover procedure, Understanding of project & delivery challenges)

Working in Process Engineering department as a Process Engineer having Knowledge of Process development, Equipment design, energy utility, making of PFDs & P&IDs. Handle interactions with engineers / Project champions and plant Energy utility department. Joint ventures for optimizing Critical plant performance & operating parameters, Scope of work etc. for generating most cost competitive technical proposal/Design.

**Key Skills:**

Excellent Chemical Process Know-how

Planning skills to achieve set goals well in time

People management

Independent and complete finisher

Can handle pressure

Meticulousness

High interpersonal skills

**IT Skills:**

Master in Auto CAD

Handled AutoCAD P&ID

Microsoft Word/Excel / Power point

Training for AVEVA

**Preferred Job Role:**

* Process Design Engineer
* Project management

**Personal Information:**

* Current Address : Uttara Society, Viva Tarangan, Phullpada road, Virar(E), Dist: Palghar, Maharashtra
* Date of birth : Aug 15, 1994
* Gender : Female
* Marital status : Unmarried
* Languages known : English, Hindi and Marathi

**Date:**

Pratiksha D Chavan