**Resume**

**Manoj R. Korke (M.Tech in Chemical Engineering) having 1.8+ experience in Process Engineering.**

**E-mail:** manojkorke@gmail.com

**Mob no.:**+919172574737

Objective:

To associate with an organization which progress dynamically that gives me a chance to update my knowledge and enhance my skills in the field of **Process Engineering/ Process Development/Designing** and to be a part of team excels in work towards the growth of the organization.

**Academic Details:**

M. Tech in Chemical Engineering from **NIT,Surat with 74 % (2015)**.

B. Tech in Chemical Engineering from **UDCT,Jalgaon with 64% (2012).**

PGD in Process Engineering & Simulation from **AAPT, Pune with 65% (2016)**

**Technical Skills:-**

**Able to design:**

• Distillation Column: No. of stages, Tray Sizing, Estimation of packing height, Estimation of pressure drop.

• Evaporator: Design of Evaporation unit, Mass and Energy balance.

• Pumps: Selection Criteria of pumps.

* Pipeline Sizing.

• Heat Exchanger: Sizing, No. of tubes.

* Experience in handling simulation software such as ASPEN plus& HYSYS.

• Able To Generate Following Documents:

1) P&ID

2) PFD

3) Equipment List

4) Process Data Sheet

5) Plant Layout

**Work Experience:**

* **Tulsidas Avadh Consulting Pvt. Ltd. Pune. (Scientific Design Inc. USA)**

**Company Profile:** Tulsidas Avadh is former business development manager in Thermax Ltd. Pune. Now he is working as consultant to Scientific Design Inc. USA. He is working on ongoing project of Scientific Design Inc. USA in India Glycol, Kashipur. The pilot plant is used for product development by using different resins.

**Team Size:** 6

**Designation:** Process Engineer.

**Duration:** Dec. 2016 to till date

**Experience outline:**

* Commissioning of whole pilot plant with the help of PFD and P&ID.
* Operating, supervise and troubleshoot problems in process flow of pilot plant.
* Carry out service cycle and regeneration cycle (for resins) in pilot plant.
* Observation and Controlling process parameters.
* Maintaining and inspecting the daily Records.
* Carry out simulation of each column with the help of COMSOL Multiphysics and taking necessary decisions of what changes to be carry out in pilot plant.
* Preparing report on process with the help of daily records.
* Reporting to Mr. Avadh about daily sections.
* **Sai Life Sciences Ltd. Unit-III, Hydrabad**

**Company Profile:** Sai Life Sciences is an ideal discovery, development and manufacturing partner to the Pharmaceutical industry and doing so enables the creation of innovative healthcare products.

**Designation:** Process Engineer.

**Duration:**Oct. 2015 to July 16

**Experience outline in Process/Design Engineering**

* Observation and Controlling Process Parameters.
* Knowledge of PFD & P&ID objectives.
* Modification and updating the PFD& P&ID.
* Supervising & Troubleshooting the Problems in Process Flow.
* Checking the updated and corrected PFD and P&ID sheets.
* Carry out pump & line Hydraulic Calculations.
* Preparation of instrumentation list.
* Maintaining and inspecting the daily Records as per the established SOP.

**Experience outline in Process Safety.**

* Conduct and Endorse Risk Assessment and HAZOP study.
* Knowledge of Process Safety.
* Carry out Multiple Effect Evaporator, Scrubber Operation, Pressure testing, Equipment Inertization and Waste Water disposal.
* **In-Plant Training**

**Rashtriya Chemicals and Fertilizers, Mumbai.**

**Duration:** 20th May to 30th June 2011

**Project:**

* Worked on-field and understood the continuous Process of production of Urea and Methyl amineswith the help of DCS.

**Computer and Software Skill:**

* ASPEN plus& HYSYS
* COMSOL Multiphysics
* HTRI
* Brief knowledge of AUTOCARD
* Microsoft Word, Excel, Power Point.

**AcademicActivities:**

**M.Tech Project: (2013-2015)**

**Ultrasound assisted reactive crystallization of Lithium Carbonate formed from Lithium Hydroxide (LiOH) & Carbon dioxide (CO2).**(M. Tech Final Yr. Project)

* Experimental formation of Lithium Carbonate and investigation of various process parameters such as Temperature, Concentration, etc. on Induction time and particle size of Lithium Carbonate (Li2CO3).

**B.Tech Project: (2011-2012)**

**Determining the mass-transfer co-efficient for various systems in wetted wall column and predicting the straight line behavior of NSh vs NRe.**(B. Tech Final Yr. Project)

* Experimental investigations of mass transfer co-efficient for Ethanol-Water, Hexane-Water etc. systems and obtaining relation between NSh& NRe.

**Personal Details:**

**Name**: Manoj Rangnathrao Korke.

**Father’s Name**: RangnathraoL. Korke.

**Date of Birth**: 19thDec. 1990

**Gender**: Male

**Languages Known**: English, Hindi, Marathiand Guajarati.

**Permanent Address**: Flat no. 104. Lane no. 2,Krishna Chowk,

 New Sangvi, Pune. PIN-411027.

**DECLARATION:**

All the above-mentioned details are true to the best of my knowledge and belief.

**Date:**  / / . Yours,

**Place:**

(Manoj Korke)