

## **CURRICULUM VITAE**

### **Manoranjith karthik**

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### **Brief Overview :**

**B.TECH (CHEMICAL ENGINEERING) with process engineering of 9+years, willing to work on the challenging missions and critical tasks, which offer potential growth and development through the spirit of teamwork.**

- **Working senior executive in epsilon carbon limited 2022-till**
- **(butyl phenol unit) process excutive in vinati organics limited MUMBAI since 2019 - 2022(VACUUM DISTILLATION UNIT 13 NO OF CONTINUOUS PROCESS)**
- **Associated with ONGC Petro additions Limited (OPaL) -Dahej in HDPE & LDPE Plant as a process engineer ENGINEER Since SEP- 2014 to Aug 2019**

### **Educational Qualification:**

First Class graduate in Chemical engineering from st. joseph's college of engineering (Affiliated with ANNA UNIVERSITY 2014 - CHENNAI)

### **Skills:**

- Worked in dcs software like **Yokogawa centumvp , Samsung 800x,honey well, delta V**
- Commisiong of **batch and continous reactor and vacuum distillation column**
- Perform & assist in the start-up or shut down of plant according to approved operating procedure & instructions
- Spot malfunctions or symptoms and refer to Shift Supervisor or console operator

### **Job profile:**

- Working in asepn ,hysys ,feed basic,FEED and design complied requirement
- Attained specific work and responsibility
- Worked in design input and drafting
- Reviewed design input to drafting
- Reviewed design documents & drawing prepared by design group
- Implementation of process software and development standarts
- Calculation of pumps,heat exchanger,distillation column,compressor,reactors which is mention in data sheet
- Preparation of process calculations ,& PFD AND PID DERIVATIONS
- Calculation heat and mass energy balance of study state and unstudy state process etc.,
- prepared api formulations based BMR
- prepared at HIRA,SAP,SOP, safety production planning,batch investigation report
- maintained house keeping activities & good manufacturing practices
- worked in kilo lab& pilot plant operations

## **1.Epsilon carbon limited (2022 -till) (distillation process plant )**

- distillation separation of phenol oil,lightoil ,napthanlene,modified reactor,3x mixture,antracelene

- startup & shut down of coal tar tube furnace, naphthalene tube furnace
- calculation of mass & energy balance
- prepared at HIRA, SAP, SOP, safety production planning, batch investigation report
- maintained house keeping activities & good manufacturing practice, etc.,

## **2. Vinati Organics Limited Mumbai (Process Executive) - 2019-2021**

- PREPARATION OF LINE SIZING, PFD, P&ID, EQUIPMENT DIAGRAMS
- CALCULATION OF MASS AND HEAT BALANCES, PUMP CALCULATIONS ETC.,
- Working in DCS automated plant automated software Centum VP 300, Samsung 800x, Honeywell, Yokogawa
- Working in butyl phenol based cis, trans, isomer batch and continuous reaction
- PTBP, 2,4 DTBP, 2,6 DTBP and OTBP production
- Handling of 13 packing based vacuum distillation column & 2 extraction based separation
- Solving of DCS troubleshooting issue and field related queries
- To ensure shift log activities and routine work and reporting to the shift manager
- Handling of synthetic tubular based reactor and exothermic reactions parameters

## **3. ONGC Petro Additions Limited - Dahej 30<sup>th</sup> Sep - 2014 to 2019 as a Process Engineer**

- ONGC Petro Additions Limited - Dahej a multibillion joint venture company was incorporated in 2006, as a Public Limited Company under the Companies Act, 1956, promoted by Oil and Natural Gas Corporation (ONGC) and co-promoted by GAIL and GSPC.
- Involved in successful commissioning of the various sections of HDPE Unit for start-up of HDPE Unit.
- Involved in preparation of HIRA & Work Instruction document for PSSR of HDPE Unit.
- Maintains operator log books and operating log sheets recording product temperature, Pressure, flow rates, samples taken, refined product volumes received and shipped.
- Handling operation - Polymerization (Reaction area), Distillation, Adsorption, Wax recovery, Extruder (**MODEL - ZX425**)
- Part of the team that prepares the action plan for smooth washing, drying, solvent run & startup of HDPE Plant.
- Working with HDPE plant with capacity of 340 KTA of various types of polymer grade like pipe grade, blow molding grade, injection molding grade & raffia yarn grade by **MITSUI (MCI - JAPAN) Technology**.
- Work directly with the foreign experts in the transfer of technical advice during the initial period of operation.
- Part of the team that prepares the action plan for smooth washing, drying, and solvent run & start up of HDPE Plant.
- Taking independent charge of Reaction area, Solvent recovery, Low polymer flaking system, Tank farm area, and Extruder (**KOBELCO LCM500H**) of 50T/Hr. Presently taking charge of Extruder panel.
- Handling tankers loading & unloading of Hexane, Butane, ethylene & also TEAL cylinder unloading.
- To take intensive care to prevent solvent losses and get maximum solvent recovery.
- Strictly adhere to SOP, Work permit system & safety procedures.

**Computer Proficiency:** SAP &Microsoft Office, Excel & PPT

**Personal Details:**

Date of Birth / Sex : 06.06.1992/ Male  
Marital Status :Unmarried  
Languages Known : English, Hindi, Tamil,marathi,malayalam  
Hobbies :cricket, volley ball, Travelling & Reading  
Passport No. : **Z2911258**  
skype id :**manokarthi1050@gmail.com**

**Declaration:**

I hereby declare that all the statements given above are correct and true on behalf of my knowledge. If a chance is given to me, I am sure that I will do my best towards my work and conduct.