

## CURRICULUM VITAE

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Vinayak Chandrakant Mane

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### Summary

A highly dedicated and motivated professional with experience in Process Engineering, and Production; a top-caliber professional that displays knowledge and experience in design, process development, and has excellent management and communication skills.

### Key skills

Process Engineering, Process Simulation and applications in API manufacturing. Process optimization, Mass and Energy balance, Process intensification, Process safety, Project planning, PFD and P&ID reviewing.

### Work Experience

**Company:** Vinati Organics Ltd.

**Designation:** Trainee-Project and Process Engineer.

**Period:** April 2023 to Present.

**Key Responsibilities:**

- Study the process and recycling of solvents & improvement in solvent recovery.
- Responsible for utility calculation and optimized usage of utility systems.
- Monitoring all aspects of the running products by analysing process data.
- Support problem solving when manufacturing issue arise.
- Understanding process in laboratory in chemical engineering perspective i.e., scalability and consistent output in manufacturing.
- Preparation of PFD and equipment selection for new product fitment in the existing facility.
- Training to follow up with the process engineering team for project completion within the timeline.
- Familiar with SAP.
- Preparation of IPDS with respect to Process requirements.
- Supervision at site during Commissioning.
- Equipment start-up and commissioning activities.
- Inspections of Hydro test and Pneumatic test.

## PROJECT HANDLE

- ATFD installation at ETP plant.
- Reactor installation with load cell.

Professional skills	Software Skills
<ul style="list-style-type: none"><li>• Process Simulation</li><li>• Project management</li></ul>	<ul style="list-style-type: none"><li>• Aspen Plus</li><li>• MS Office</li></ul>

## Technical Skills:

- Line sizing for Liquids & Pressure drop calculations
- Piping Line List
- Know about types of Valves & Application.
- Pump Calculations Sizing & Datasheet
- Control Valves Sizing & Calculations
- Design of Heat Exchangers
- Breather Valves & Venting requirements as per API 2000
- Design & Classification of Storage Tanks
- Introduction to BFD, PFD, P&ID.
- Relevant Codes & Standards used in Chemical & Process Industry

Education:				
Course	Institute	Board	Year of Passing	Percentage / CGPA
B. Tech (Chemical)	Tatyasaheb kore institute of engineering & Technology, Warananagar	Shivaji University	2022	8.58 CGPA
H.S.C	Vivekanand College, Kolhapur	MSB	2018	78.00%
S.S.C	Daulat Vidya Mandir	MSB	2016	87.20%

## Internship:

### • Shri Dudhganga Vedganga Sahakari Sakhar Karkhana LTD, Bidri

Completed 15 days training on safety operations and design of Industrial equipments. Studied the operations like milling, crushing, boiling, condensation, evaporation etc.

### • Rastriya chemical & fertilizer, Chembur [Mar-20]- 3 Days

-Training on Urea and Ammonia Process with plant visit.

## College project:

### • Major Project

**Project Title** - Verification of Physical Impact Analysis Results of CNG release

**Description** - Done the study of theoretical calculation of CNG release in the vessel. Calculate the dispersion rate of CNG gas. Safety devices avoiding or taken precaution. Learnt the properties of compressed natural gas.

### Extra-Curricular

- Secured 2nd Prize in **RECRUITA 2.0** in “Presentation Competition” Held by Training and Placement Cell (2019-20).
- Secured 3rd rank in Chem-o Quiz competition at azeotropy IIT Bombay.
- Attended workshop of “Heat transfer and Material Science” by Galaxy Surfactant.

### Courses Attended:

- ‘**Process Design Engineering**’ course from ‘**S B TECHNOLOGIES**’ Mumbai.
- Workshop on “**Advance Excel and Power Point**” Organized by CHESA Department (2019-20).

### Language Skills

- English
- Hindi
- Marathi

### Personal Details

**Address:** A/P-Madilage Bk. Tal-Bhudargad Dist-Kolhapur  
**Date of Birth:** 19 November, 1999  
**Contact No:** 8806909027

### Strengths

- Hardworking and positive attitude.
- Easily adaptable to the conditions.
- Milestone-driven and able to be self-managing and task focussed.
- Communication skills.

### Hobbies

- Reading
- Yoga
- Swimming

I do hereby declare that all statements made in this Curriculum-Vitae are true and correct to the best of my knowledge and belief.

**Vinayak C Mane**