

RESUME

SANJAY MANOHAR HIRALKAR

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Date of Birth: 28 Dec. 1985
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Career Objective

To secure a challenging position where I can effectively contribute my skills as a successful professional in an organization, possessing competent Technical Skills. Continuously keeping work environment motivated to achieve common team goal.

Academic Qualifications

Degree/Course	College/University	Year Of Passing	Marks Scored
M.Tech – Chemical Engineering	Anuradha Engineering College,Chikhli Amaravti University	2012	70.65%
B.Tech – Chemical Engineering	College of Engg & Tech Akola Amaravti University	2007	67.54%
Higher Secondary	Shri Shivaji college of science,Akola Maharashtra Board	2003	58.15%
Senior Secondary	B.K Vidyalaya Akola Maharashtra State Board	2001	70.00%

Experience(5 YEARS)

A) Working with **Suman Syndets Pvt Ltd New Delhi** as a process engineer since 01 Jan. 2013.

- Preparation of PFD,P&ID & Plant Layout for Continuous Saponification & Vacuum Drying Plant
- Preparation of Datasheets for Control Valve,PHE & Pumps.
- Preparation of BOM,Piping Isometrics,for Detergent and Toilet soap plant
- Conversant with Heat & Material balance
- Design of shell & tube heat exchanger
- Design of saponification reactor,spray dryer and screw conveyer

B) Worked with **National Chemical Laboratory Pune** as a project assistant under the guidance of Mr. Ganesh R. Kale, Sr. Scientist (Chemical Engineering & Process Development Division) on the projects:-

I) “**Chemical looping combustion coupled combined reforming for clean energy generation**”(11/04/12 to 30/09/12).

II) “**Hydrogen energy initiative: overcoming materials challenges for the generation, storage and conversion of hydrogen using fuel cells**”(17/04/08 to 23/09/08).

Worked on:-

- Pump & Mass Flow Controller calibrations
- Gas chromatography machine & data acquisition system
- Heat & Material balance using software HSC Chemistry.

C) Worked with **Bran Engineering Pvt. Ltd Pune** as a process engineer(05/09/08 to 17/04/10).

- Knowledge of piping material & layout
- Conversant with international codes and standards like B31.1, B31.3
- Preparation of P&ID, Plot Plan, Plant layout etc
- Piping layout skills like piping isometrics, MTO
- Commissioning of 300TPD Deodorization & Deacidification plant
- Erection & Commissioning of 120 TPD oil refinery

Areas Of Professional Interest

Project Execution, Project Planning, Contracts Management

B.Tech.(Chemical Engg.)Seminar

“Applications of solvent extraction principle in petrochemical industry”.

B.Tech.(Chemical Engg.)Project

“Design & fabrication of multiple reactors in series and study of different systems on it”.

- Study of Residential Time Distribution curve for CSTR & PFR.
- Calculation for rate constant & reaction equation for multiple reactors in series.
- Optimization of reactor system in series.

M.Tech.(Chemical Engg.)Project

“Waste water treatment in bubble column and jet loop reactors” under the guidance of **Dr. D Subramanian**.

Summer Internship

Rashtriya Chemicals And Fertilizers Limited Chembur,Mumbai-400 074

Training Programme on “Unit Operations and Unit Processes”.

Achievements

- Active participation in “Thermocon” Design competition held at IIT Bombay on 5th-6th Mar 2011.
- Active participation in National Level Paper/Poster Presentation organized by Anuradha Engineering College,Chikhli on 26th Mar 2011.
- Active participation in Mitcon Entrepreneurship Awareness camp
- Active participation in “NSS”.
- Third prize in technical quiz in National level Symposium “FUSSITEC-05” ITM, Gwalior.
- Paper presentation in National level Symposium “FUSSITEC-05” ITM, Gwalior.

Skill Set

- C Language
- MS-Office
- AutoCAD

Hobbies & Interest

Playing Cricket, Traveling, watching movies etc

Languages Known

English, Marathi, Hindi & Telugu

Declaration

I hereby declare that all the above furnished information is true to the best of my knowledge.

Date:

Signature: