

SAMEER CHOUGLE

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PROCESS ENGINEER

Career Objective

As a talented and young professional with skills and training in chemical engineering, leveraging a strong technical background; I aspire to be a part of a learning organization focused towards progression and growth, which will provide a platform for gaining operational expertise in the industry and help me contribute my highest caliber in serving the organization.

Work Experience

I] 'Trainee Chemical Engineer' at Chemionix e-Solutions Pvt Ltd, Mumbai since April 2017

- Creation of P&ID with the help of Videos, Laser Scans & Point-Cloud Technology
- Conversion of non-smart P&ID to intelligent P&ID (AutoCAD P&ID)
- QC of the developed P&IDs
- Client discussion related to technical errors & corrections

II] 'Process Engineer' at Xyntech Solutions Pvt Ltd, Mumbai from April 2016 to October 2016

- Conversion of AutoCAD P&ID to Smart Plant P&ID (SP PID)
- Co-ordination with Draftsmen
- Discussion of P&ID with Client
- Preparation of Line List

Technical Skills

- Knowledge of:
 - Preparation of PFD & PID
 - Line Hydraulic Calculations
 - Sizing of Pump
 - Preparation of Process & Instrument Datasheet
 - PSV Sizing as per API 520/521
 - Sizing of Exchangers
 - Distillation Column
 - Vessel Sizing
 - In Breathing/Out Breathing Calculations for Tank
 - Cause & Effect Diagram
 - HAZOP study
- Engineering Software: AutoCAD, Aspen HYSYS, HTRI, KG Tower, SP PID
- Microsoft Office PC Suite

Education

- **PGD Process Design Engineering & Simulation** - Texvyn Technologies, Mumbai - **A+ Grade; 2016**
- **B.E. Chemical** - Bharati Vidyapeeth College of Engineering, Navi Mumbai - **I Class; 2015**
- **HSC (XII)** - DKTE's Ichalkaranji High School and Junior College, Ichalkaranji - **I Class; 2011**
- **SSC (X)** - SPM's English Medium School, Chiplun - **Distinction; 2009**

Academic Research & Projects

Bharati Vidyapeeth College of Engineering

Generations of Crude Oil

- Studied various sources to obtain crude oil, from the past to the present; with an objective to emphasize using greener technology towards fuel consumption
- Technical paper published in American International Journal of Research in Science, Technology, Engineering & Mathematics (AIJRSTEM) <http://iasir.net/AIJRSTEMpapers/AIJRSTEM15-425.pdf>

Five Elements Environment Ventures Pvt Ltd

Cost Effective & Energy Efficient Technology to convert Plastic Waste to Crude Oil

- Preparation of different catalysts so as to obtain optimum yield of liquid crude oil at lowest possible temperatures without decreasing the pressure in the reactor, as well as in least time duration
- Preparation of an economically cheap catalyst i.e. from waste materials, so as to tackle the growing problem concerned with this technology
- Minimizing gases eliminated during the process, also to minimize the wax and ash precipitate
- Proposed idea to reuse the gases for heating purpose; treating ash with HCl and using it for filtration process; wax to be sent to candle making industries as well as to be used as lubricant
- Proposition of this technology to be approved by housing societies/townships to aid plastic waste management.

Internship

Hindustan Petroleum Corporation Ltd. Mumbai

Operational Study of Hindustan Petroleum Corporation Limited

- Practical and theoretical study of Distillation Columns
- Working and operation of Heat Exchangers
- Study of FRE (Fuel Refinery Extension), FCCU (Fluid Catalytic Cracking Unit), IETP (Industrial Effluent Treatment Plant) & DCS (Digital Control System).

Leaderships and Achievements

- Organized and actively participated in the marketing/implementation of Dark Room Cricket at the Technical College Festival (Inception)
- Member of a winning team for the fashion show held at Institute of Chemical Technology, Mumbai as well as at Bharati Vidyapeeth College of Engineering (BVCOE)
- Won inter-collegiate football tournament in 2014 with being the highest goal scorer
- Runners up at the inter-collegiate IDP (Industrial Defined Problems) event held at BVCOE
- Captained football and kabaddi for my school and college departmental teams.