

RESUME

SWAPNIL DEEPAK PATIL

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KEY COMPETENCIES:

- High potential Process Design Engineer with 1.5 years of experience in engineering design.
- Knowledge of International engineering standards e.g. ANSI/ISA 75.01.01, API 14E, API 521, API 520 Part I, API 2000, ASME_MFC_14M_2001, API 12J, ISO_5167_2.
- Experienced in using Aspen HYSYS, EDR, Flaret & HYSYS Dynamics
- Hands on experience in project management including inter-disciplinary coordination, interaction with clients etc.
- Expert in calculations in Excel with VBA programming
- PFD, P&ID, Material & Energy Balance
- Process Basis of Design, Process description
- Sizing / rating of various static process equipment including distillation columns, heat exchangers, separators, etc.
- PSV sizing, Orifice sizing, Control valve sizing, Line sizing, Pump sizing, Separator sizing Using both excel calculations and HYSYS simulation
- Process datasheets for static and rotating equipment, Equipment List
- Process trouble-shooting
- Process optimization studies
- Start up and shutdown philosophy, Operating & Control Philosophy
- Evaporator (Single and Multiple)

WORK EXPERIENCE:

National Organic Chemical Industries Ltd (NOCIL), Navi Mumbai (March 2019 to till now)

- Working as Graduate Engineer Trainee
- Support the Process activities and reduce the issues to increase the production.
- Help in Process alteration for the recovery of the supplements
- Material / Mass / Heat balance.
- Work for new project like separation system Operations like Liquid liquid extraction, Vacuum Distillation, Etc.
- Work on PLC and DCS.

NICOMET INDUSTRY PVT LTD, Goa (June-2018 to Feb-2019)

- Working as production trainee engineer where in my role was to run the process.
- Leaching process in which the product is extracted from raw material and leach liquor is produced for solvent extraction such as cobalt, nickel, copper, mg, mn, zn, sodiumsulphate etc.
- Further process such evaporation (single effect evaporator & triple effect evaporates), crystallization, ETP.
- Follow the Safety Procedures while working.
- Handling equipments, Reactor, AGT, Filterpress, Mixersettler, AOD, Dryer, Traydryer, FBD.
- Set Parameters, Maintain Process Parameters as per analysis results.
- Production Planning. Maintaining Manpower according to their skills.
- Participation in Project Activities within Plant.
- Maintaining log records and Report Making.

TRAINING:

- **ONGC** Uran plant training for one month in June 2017. Project on gas sweetening unit, crude stabilization unit, ETP, Flare gas system etc
- Hands-on-experience: Aspen HYSYS, EDR, Flare System Analyzer, HYSYS Dynamics, HTRI

INTEREST AND PROJECT:

- Adventurous trips on bike, Playing Carom & Scrabble, Reading and Listening to music.
- **Academic Projects:** Waste water Treatment by Adsorption: The objective of this project is to treat the waste water by adsorption method, the waste water contain the suspended solids which need to be carried out before further process. So this is the initial process for the treatment of process. This process is simple as the components are Sand, Activated Charcoal, Silica gel. Activated carbon is a favored water treatment techniques

CERTIFICATION:

- Advanced Process Engineering Design using **HYSYS, FLARENET** and **EDR** by Converge Engineering Pvt. Ltd. on June 2019

EDUCATION:

- Bachelors In Engineering - Chemical Engineering, Pune University 2018 – 72.6%
- HSC, Mumbai university – 54%
- SSC –Mumbai university – 89%

PERSONAL INFORMATION:

Date of Birth :- 2nd July, 1992
Language :- English, Hindi, Marathi
Gender :- Male
Marital status :- Single
Correspondence Address :- Taloja, NaviMumbai
Permanent Address :- Flat no. 03, Atharva Apt.,B/H Kalpataru nagar,
Ashoka marg, Nashik, Maharashtra-422009

DECLARATION:

I have declared that the information given above is true to the best of my knowledge and belief.

DATE :

Swapnil Patil