**Dayavan Dhage**

Email: dhage.dayavan@gmail.com

Contact: **+91**9773229622

**Career Objective**

To succeed in an environment of growth and excellence and earn a reputed position in an organization which provides me with self-development opportunities and help me achieve personal as well as organizational goals.

**Work Experience - Process Engineer**

**HIKAL Ltd:** Taloja, since Dec’14 to till date

Designation: Officer Technical services.

****Key Deliverable****

* **Basic engineering calculation:** Line Sizing Calculation, pressure drops Calculation,Pump calculation, Design calculation of Heat exchangers.
* Preparation the Process flow diagram, P&ID and Scale down study of commercial plant.
* GA drawing review.
* Mass & Energy balance, Utility requirement calculations for existing & new products.
* Distillation Column sizing.
* Conducted HAZOP study for existing & new products along with plant modifications.
* Preparation of data sheets for equipment and quotation review.
* Monthly Raw material and consume coefficients calculations.
* Preparation of Investment Proposal and BOQ.
* Execution and commissioning of 30TPM commercial plant.

**Projects Handle**

* Installed a Reactor jacket drain water recovery system to reduce the water & energy consumption.
* Replacement of existing steam ejector with dry vacuum pump.
* Detail design calculation for scale down model of fixed bed reactor by using geometrical similarities and parametric scale down for mimicking plant scale performance.
* Mass balance energy balance PFD and P&ID preparation.
* Performance study of new catalyst in catalytic fixed bed reactor of a Gas phase Heterogenous Ammoxidation reaction at kilo-scale laboratory.
* Scheme prepared for continuous Sodium Hypochlorite production.
* Replacement of existing reactor for capacity enhancement.
* Installation of 200 TR Chiller plant.

**Professional Enhancements**

* Pursued 6 months’ course for process engineering from Suvidya Institute of Technology
* Course included knowledge regarding process engineering activities.
* Attained training on project management in which acquired knowledge of PM SOFT and MS

project.

**NOCIL,** Turbhe, from Mar’14 to Sep’14

Designation: Apprentice (Production)

**Key Deliverable**

* Identification of Deviation in process and Process parameter
* Panel Officer
* Material Balance Calculation

Calculation for Raw material required for batch **Academic Details**

* B.E (Chemical)/ 2013 from University of Mumbai (First Class with distinction)
* PG Diploma (Process Engineering)/2016 from Suvidya Institute of Technology- 85%

**Software Knowledge**

* MS-Office ( thorough knowledge on MS- Excel, Word, Power point)
* Aspen
* MS-PROJECT

**Personal Details**

Date of Birth: 6th Jan, 1991

Permanent Address: AL-4, Building No. 2, Room no. 3, Shanti Apartment, Sec-17, Airoli Navi Mumbai 400708