**Bhushan Vaman Jadhav**

**Email**:- bhushanj\_2395@rediffmail.com

**Mobile: (**+91)8655434633 / 9930609242

|  |
| --- |
| **Career Objective** |
| * To associate with an organization with recognizes my skills and offers me job responsibilities according to it, due to which I will be able to improve my knowledge and adapt in the new environment as a good team member.
 |

|  |
| --- |
| **Professional Experience** |
| JOHNSON MATTHEY CHEMICALS**Trainee Engineer (September 2016 till present)****Projects:-****1**.Currently working on Increasing efficiency of Roaster & reducing consumption of LPG :-Worked on various parameters that helped me in decreasing the consumption of LPG & Increasing the Efficiency of our equipment as follows:* Insulation.
* Burner Alignment / Positioning .
* Vent Opening.
* LPG Pressure.
* Feed Rate.

**Other Responsibilities:-*** HAZOP Study.
* Successfully updated Piping and instrumentation diagram.
* Handling & working with Programmable logic controller.
* Handling of Hydrogen & LPG with safety measurements.
* Process control.
* Hazard Identification and Risk Assessment (H.I.R.A)
* MEx
* Roles & Responsibility in case of Emergency.
 |

|  |
| --- |
| **Training &Certification: -** |
| * Pursuing Process Engineering classes from Dimensional Academy.
 |

|  |
| --- |
| **Educational Qualification: -** |
| **Qualification** | **University/Board** | **School/College** | **Year of Passing** | **Percentage** |
|  B.E |  Pune |  AISSMS COE |  2015-16 | 68.86 |
|  HSC |  Mumbai | N.K.T.T  |  2011-12 | 52.83 |
|  SSC |  MSBSHSE | St. Joseph English High school, thane |  2009-10 | 79.09 |

|  |
| --- |
| **TECHNICAL QUALIFICATION: -** |
| **Project Undertaken**Title: **Desulphuriser Design of Solid Oxide Fuel Cell.****Objective of Project**The main Objective of the project is to design Desulphuriser which helps us to remove sulphur contaminants present in the fuel.**Summary of Project**A fuel cell is an electrochemical device that converts the chemical energy in fuel (such as hydrogen, methane, butane) into electrical energy by exploiting the natural tendency of oxygen & hydrogen to react. Solid Oxide Fuel Cell has the highest efficiency among all other types of fuel. It accepts almost all inputs as fuel such as natural gas, LPG, CNG etc. SOFC works at high temperature but still they are poisoned with low level of sulfur contaminants. Fuel cell requires an essentially sulfur free feed stream in order to prevent poisoning of fuel cell anode catalyst which requires effective desulphurization. **Work Executed in the project: -**1. Simulation of absorption model in ASPENPLUS.
2. Designed the diameter & height of Desulphuriser.
3. Calculated amount of contaminant adsorbed by Fuel Cell for 5-10 yrs.
4. Calculated amount of Sorbent required to remove contaminant from the fuel cell.
5. Calculated service life of the Desulphuriser.
 |

|  |
| --- |
| **Achievements** |
| * Got 1st prize in MATLAB competition organized by Chemical engineering department of AISSMS COE, Pune.
 |

|  |
| --- |
| **Computer Skill** |
| **Software's known*** Aspenplus
* Chemcad
* Autocad
* Matlab
* Microsoft Word, Excel & Power Point Presentation.
 |

|  |
| --- |
| **Extra-Curricular Activities** |
| * Presented a poster at national level event “CHEMCON-2015” on the topic of “Process Intensification of Epoxidation of Castor oil”
* Visited Distillery of Bhima patas co-operative sugar factory at post patas taluka daund & Sugar factory of Sant Tukaram cooperative sugar factory in taluka mulshi dist. Pune
* Visited Thermax Ltd MIDC Chinchwad Pune.
* Participated in "Shivaji Trophy", A state level inter-collegiate T-20 Tournament Organized by the All India Shri Shivaji Memorial Society COE, Pune.
* Participated in Inter-Department T-20 Cricket Competition.
 |

|  |
| --- |
| **Hobbies** |
| * Playing FIFA13, Don Bradman 14 & Cricket.
 |

|  |
| --- |
| **Personal Details** |
| Date Of birth | 11th October 1994 |
| Permanent Address | Room no- 1108, Near Nicholas Piramal Ltd, Shivaji Nagar, Balkum, Thane(w)- 400608 |

**DECLARATION**

I hereby declare that above mentioned details are correct and complete to the best of my knowledge.

**Date:**

**Place:**  **[Bhushan V Jadhav]**