**Manthan B. Patel Email: patelmanthan6@gmail.com**

**Mechanical Engineer,IITE(INDUS),Ahmedabad.**

**D-302 ShriHariArjun,Nr.Shivnagar society, Ghatlodiya, Ahmedabad.**

**Contact: +91-9723104346**

**Career Objective:-**

Looking for a Challenging and Responsible position in a field of Mechanical engineering and to be part of an organization where I can fully utilize my skills and make significant contribution to growth of same.

**Academic Qualification:-**

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| **Degree** | **Year** | **School/college/Board** | **Percentage** |
| B.E. | 2014 | IITE(INDUS),Ahmedabad  (Gujarat Technological University) | 7.52(CGPA) |
| H.S.C(XII) | 2010 | GSHSEB,Gandhinagar | 77.40 |
| S.S.C(X) | 2008 | GSHSEB,Gandhinagar | 87.69 |

**Work** **Experience:-**

Designation:- **Engineer - Utility**

Company Name :-**Jay Chemical** Industries Limited,Khambhat,Gujarat(leading manufacturer of dyes and intermediate)

Time Period:-September 2014 to Till date

**JOB PROFILE:-**

* Operation and Maintenance at Thermal Power Plant for efficient & safe operation of F.B.C Boiler(High pressure boiler 10TPH& 25TPH, low pressure boiler 15 TPH),Steam Turbine Generator(3.2 MW,2 MW,700KW),Thermic Fluid Heater(10LKcal & 20LKcal),RO Plant(12 M3/hr\*2nos.), DM Plant (25 M3/hr) ,Centrifugal Air compressor ,Nitrogen Plant , Cooling tower,Pumps,Fans, Coal & Ash Handling System, Electrostatic Precipirator(ESP).
* Erection & Commissioning Work of 3.2 MW Turbine (Extraction & Bleed cum Condensing turbine),Cold/ Hot start up & shut down of STG & Steam boiler, Shut down/ breakdown job planning/ workdone on it.
* Planning and Implementing Predictive & Preventive Maintenance schedules for various machinery and equipment to increase machine up time & Equipment Reliability.
* Total safety interlocking & its limit parameter checking of I & C on Boiler & Turbine operational side in stimulus & running condition
* Ensure smooth & cost effective Operation & Maintenance of Utility systems like steam generations & distribution system,Water treatment system, Pure steam generation plants, Cooling towers, Compressed Air, Nitrogen gas generation systems.
* Carrying out root cause analysis of defects and applying rectifications to put the equipment back in working position within minimum turnaround time.
* Day to Day maintaining all type of water consumption, oil consumption , steam consumption ,power consumption.
* Documenting maintenance history of all equipments and effectively utilizing the records as references to develop maintenance solutions.
* Monitoring and optimizing processes, troubleshooting problems in coordination with other departments for improving efficiency.
* Preparation of Daily, weekly and monthly requirement, Preparation of comparison sheet of various vendors for equipment purchasing, indenting, Follow up with purchase department.

**Area Of Interest:-**

Maintenance Thermodynamics

Fluid Mechanics Mechanical Design

**Strengths:-**

Quick Learner Problem Solving Skills Team Working Ability

Disciplined Punctual Positive Attitude

**Software Skills:-**

* MS-Office (Word, Excel, Power point presentation)
* Basic C- Programming
* **Pro-E(Creo 2.0)**

**Project :-**

* Title :- “ **Performance and effect of preheating of diesel fuel in injection system of diesel**

**Engine test rig.”**

* Description: - To improve the efficiency and reduce pollution of diesel engine we have try to reduce

delay period of diesel fuel by increasing the temperature of fuel by exhaust gas recirculation

using the heat exchanger & by electrical heating.

**Personal Details:-**

* Date of Birth : 1st May, 1993
* Hobbies : Playing & Watching cricket, Playing Volleyball, Politics,Travelling
* Languages known : Gujarati, Hindi, English

**Reference:-**

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| Full Name | Bhadresh Patel |
| Designation | Senior Utility Engineer |
| Name of company/ college | At Jay Chemical Industries Ltd. |
| Email | bhadreshpatel200@gmail.com |
| Contact no | 8733958434 |