**Umesh Prajapati (B.E. Mechanical)**

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# Career Objective

To work in an organization which enhancing my skills and knowledge and guide me towards success and so that I can prove myself as a valuable asset for the organization.

# Educational Qualifications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DEGREE** | **INSTITUTE / UNIVERSITY** | **YEAR** | **PERCENTAGE (%)** | **CLASS** |
| B.E.  Mechanical Engineering | Noble Group of Institutions, Junagadh  Gujarat Technological University | 2015 | 7.9 CGPA | Distinction |
| H.S.C. | Sardar Vinay Mandir, Karelibaug, Vadodara  Gujarat Higher Secondary Education Board, Ghandhinagar | 2010 | 60% | Second Class |
| S.S.C. | Sardar Vinay Mandir, Karelibaug, Vadodara  Gujarat Secondary Education Board | 2007 | 77.08% | Distinction |

* I got **1st Rank** in Robotics from Noble Group of Institutions Robotics Event.
* Lead the college tech-fest – “**NOBETECH**”
* I have **Qualified AIEEE Exam**.
* Successfully attended **(AIESEC) Baroda Youth of Business Forum 2015** at Vadodara.
* I have Successfully Completed **Computer Application Course** Certificate by Jankalayan Computer Saksharta Mission.

# Professional Experience

Presently working in Philoden Industries Pvt Ltd, Padra unit of **800 MT per annum** Having **more than 50 products**: **PolyPlast** (Polymer soluble Dyes), **PolyFast** (Pigment for Polymer Coloration) **and PolyPon** ( Solvent Soluble Dyes).

Past Experience in DCM Shriram Alkali & Chemicals Ltd, Jhagadia **Chlor-alkali** unit of **1000 TPD** Capacity having products: **Caustic soda flakes**, **Caustic soda lye** (Naoh), **Chlorine gas** (Cl2), **Hydrogen gas** (H2), **Hcl acid** & **Sodium Hypochlorite** (NaOCl).

|  |  |  |
| --- | --- | --- |
| **DESIGNATION** | **COMPANY NAME / PLACE** | **TENURE** |
| Maintenance Engineer | Philoden Industries Pvt Ltd, Padra Dist :Vadodara | February  2017 to Till Date |
| Maintenance Engineer | DCM Shriram Alkali & Chemicals Ltd Jhagadia, Dist : Bharuch | Sep 2015 to  Jan 2017 |

# Projects Undertaken

|  |  |
| --- | --- |
| **1** | **Professional Project** |
| **Title:** - “To increase the capacity of caustic chlorine plant (Expansion of capacity-600 TPD)” | |
| **Objective:** To reduce the per unit production cost, To fulfill the market requirements. | |
| **2** | **Educational Project** |
| **Title:** -“Spur Gear Tooth Stress Analysis & stress Reduction. | |
| **Objective:** To understand practically the design of Spur Gear and to Minimize Stress in Spur Gear By Use of aero fin Place on Spur Gear By Ansys Software. | |

**Chemicals & Equipment handled**

* During my working period I have been exposure with routine maintenance activities which includes planning, scheduling & execution of different type of equipments.

## Having experience in MEE Plant, Distillation Unit, incinerator plant, cooling tower, Reactors, Dryers plant, cell house, Boiler, Centrifuge, Vacuum System,Pulveriser Plant,siever system, Blander system,nauta Mixer, ETP Plant,Cl2 Compressors,H2 Compressor,H2 Blower, chlorine washing tower, Declorination Tower, Chiller Plant etc.

* **Hydrogen gas compressor –** C5T223 GP & C5U217 (Capacity: 440Nm3/Hr & 220Nm3/Hr).

## Rotary Equipment’s such are Centrifugal Pumps, Dosing Pumps,Diapharm pump, Agitator, Blower, Centrifuge,Reactor,Nauta Mixer,ANFD,Pulveriser Pump, Vacuum Pump etc.

* Static Equipment’s such are **MEE PLANT,INCINERATION PLANT**, **Li-Br Chiller (VARS), Air dryer, Electrolyzer, Heat-Exchanger, Filter Press, AIR COMPRESSOR,N2 COMPRESSORS,COOLING TOWER,** etc
* 210 Tons of **Refrigeration Capacity Kirloskar Make KC-9 & KC-12 Refrigeration Compressors (Freon Compressor - Ring Compressor)**
* **300 TPD Caustic soda flaker plant having 3 nos of Bertmas make 100 TPD capacity drums**
* **Moving Equipment’s** such are **EOT Cranes, Salt handling Belt-Conveyor System**

etc.

* **Air Compressors -** Screw Compressor, **Nitrogen Compressor.**
* **Cl2 gas compressor** - 110 TPD Liquid-ring Compressor
* **Centrifugal Compressor** -Garo Make & Devi high tech

## Various Types of Valves

* Fabrication of pipelines various types of MOC’s

## Overhauling of H2 Compressors, Pumps, Reactor, ANFD, Gear Box, Filter Press, Hypo Blower, Air Compressor & Refrigeration Compressors.

* Familiar with SAP system(MM,PS, Finance &amp; PM MODULE)

**During Project (Expansion of plant capacity – 600 TPD Plant Capacity):-**

* Understanding of various P & IDs, general arrangement of various equipments, layout drawings etc.
* Making of SOPs of various equipments like pumps, compressors, valves, plate type heat exchangers etc.
* Comparison sheets & selection of parties according to technical specification.
* Making of BOQ.
* Familiar with SAP system(MM,PS, Finance &amp; PM MODULE)
* Fabrication & Erection of Tank, pressure vessels & structure.
* Planning of various fabrication & erection activities & making schedule accordingly.
* Erection of Cl2 Washing Tower (Make: M/s Chemical Process Equipment) with fabrication & erection of connected pipelines
* Erection of Electrolyser plant (Model: NCH, NCZ) with fabrication & erection of connected pipelines (Make: M/s Asahi Kesai, Japan)
* Erection of Declorination Tower (Make: M/s Chemical Process Equipment) with fabrication & erection of connected pipelines.
* Erection of Brine Heater & Cl2 cooler (Make: M/s Anup Engineering Ltd) with fabrication & erection of connected pipelines.
* Erection of Anthracite Brine filters plant with fabrication & erection of connected pipelines (Non Metallic pipelines).
* Commissioning of pumps without stoppage of plant.
* Commissioning of CPE make Cl2 washing tower.
* Commissioning of CPE make Declorination tower.
* Commissioning of Anthracite filter.

# Vocational training

* I had completed “ADVANCED VOCATIONAL TRAINING” in subject of “APPLICATION OF DIFFERENT TYPE OF PHE, PUMPS & PIPELINES IN INDUSTRY” at **LUPIN LTD,** Vadodara 09 Days Training.
* I had completed “ADVANCED VOCATIONAL TRAINING” in subject of “DIFFERENT TYPE OF WELDING PROCEDURE & VESSEL MAKING” at **JANARDAN METAL INDUSTRIES**, AT Vadodara 15 Days Training.
* I had completed “ADVANCED VOCATIONAL TRAINING” in subject of “MANUFACTURING PROCESS, QUALITY CONTROL and MAINTENANCE PLANS & EXECUTION” at **ORAL-B**, Vadodara 11 Days Training.

# IT Skill

MS- OFFICE, **SAP (System Application Product)** & MS Project.

# Key Skill

## Preventive, predictive, breakdown & Shut down maintenance

Ability to work Under Pressure, Positive Attitude, Mechanical Maintenance of rotary & static equipments, Excellent communications, Flexible in approach.Commited team leader.

**Expected Salary**: Negotiable

# Personal Profile

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| --- | --- | --- |
| **Date of Birth** | **:** | 1st of sep-1991 |
| **Gender** | **:** | Male |
| **Marital Status** | **:** | Unmarried |
| **Nationality** | **:** | Indian |
| **Language Known** | **:** | English, Hindi, Gujarati, Sanskrit |
| **Interests** | **:** | Reading, playing Cricket & badminton, music |
| **Soft Skills** | **:** | * Adaptability quality * Co-operative * Believe in team work |
| **Specialty** | **:** | Confidence , Adapting changing environment |

**References**

## Mr.R.B.Bhavsar

HOD (Mechanical Department) Philoden Industries Pvt Ltd Contact No :09662796335

## Mr. Rahul patel

Joint Manager (Mechanical Department) DCM Shriram Alkali & Chemicals Ltd Contact No: 09924434042

I hereby declare that all the statements are true and best of my knowledge.

Thanks,

UMESH M PRAJAPATI