JAYPALSINH SOLANKI

B.E Mechanical
Engineer
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Vadodara Gujarat 390018.

Career Goal :

- I am a mechanical graduate willing to assist a stable & thriving company in achieving its mission & goals by being able to continuously learn & improve the necessary skills & knowledge needed to help push both the company & myself forward into success.

Educational Qualification :

- Bachelor Of Engineering : Mechanical Engineering
  Sigma Group Of Institute (G.T.U)
  2018 – 2021 (87.02%)

- Diploma Engineering : Mechanical Engineering
  Parul Institute Of Engineering (G.T.U)
  2015 – 2018 (87.78%)

- 10th G.S.E.B
  Bright School
  2014 – 2015

Experience :

Gujarat Alkalies and Chemicals Limited.
Graduate Mechanical Trainee
04/2023 to 04/2024.
Ranoli Vadodara
Maintenance
Department

- Learning maximization of preventive maintenance and consequently reducing breakdown maintenance.
- To plan and implement preventive & predictive maintenance of all equipment's.
- To plan organize and co-ordinate shutdown maintenance activities.
- Take every opportunity to learn about system design, installation, alignments requirements.
- Troubleshoot pumps & bearings problems.
- Looking after maintenance of various utility section of complex including air compressor, brine chillers, cooling tower.
- Learned operation and maintenance of steam boilers.
- Strong problem-solving skills and eager to learn the latest technologies in industry.
- Established maintenance procedures and performed periodic inspections of equipment's.

Major Projects :

- Convert conveyor belt mechanical joint to cold joint.
- Improve capacity of pump by changing impeller size.
- Planning and scheduling of 3kg pressure liquid chlorine line valve replacement.
- Commissioning Reactor lining.

Academic Project :

- **Project :- 1**

"Power Generation By Using Speed Breaker" (2014-15)

Aim: - **Electricity is generated by replacing the usual speed breakers with some simple mechanism**. As vehicles pass over the speed breakers, rack and pinion mechanism works and with the help of high tension springs in turn generate electricity. Today we see many vehicles on road creating pollution and using its mechanical energy only for transportation purpose, but if we use that kinetic energy of vehicles to convert into some useful electrical energy then we can use that energy for street lights and can save at least some amount of electrical energy.

- **Project :- 2**

"Material Sorting Equipment" (2020-21)

Aim: - Design the automated sorting machine using conveyor belt to need the manufacturing industry in many fields is a very complex process. **To overcome the difficulty of material handling.** In the core of the project, we are using field programmable gate array (FPGA). The FPGA is used in PLC and controls the relay and drives relay according to output of photo interrupter. By developing such sorting system the production rate of the manufacturing industry has been increased since these sorting systems replaced the human resources.

Languages Knowns :

- English
- Gujarati
- Hindi

Skills :

- Monitoring
- Problem Resolution
- Quick Learner
- Disciplined
- Dedicated
- Critical Thinking
- Relationship Building

Industrial Visit :

- Balaji Wafer Distributors in Sanand HO, Ahmedabad Gujarat.
- Gujarat Science City Ahmedabad Gujarat.

Extra-Curricular Activities :

- Taken part in **PRAKARSH 14 in Rom as a WINNER.**
- Participate in **BOT WHEELS** in **GSFC UNIVERSITY.**
- Participate in **3D PRINTING** workshop. One day workshop of **"MATLAB"**
- Visiting **SPRERI** one-day training program on **"Various Aspects Of Renewable Energy Technologies".**
- I have cleared the assessment for the role of Lab Technician- **Metal Testing Conforming to National Skill** Qualification Framework Level -4

Personal Details :

Address :-	A-22 Akshata Society Near Water Tank Kareli Baug, Vadodara 390022.
Marital Status :-	Married
Date Of Birth :-	16/11/1999

Declaration :

- I hereby declare that the particulars given above are true to the best of my knowledge.

Date : **Jaypalsinh Solanki**