

To,
HR Department.

Apply for post of ELECTRICAL

Respected Sir,

This Company is one such Company, which operates, in a professional, dynamic and vibrant environment. Moreover I am absolutely sure that there would be extremely challenging and growth oriented career opportunities existing in this institute. All these therefore positively motivated me to explore an appropriate opening with your good self. On my part I can assure you that with my qualifications with the knowledge and skill acquired during my job period, I would be able to make a meaningful and significant contribution to this institute.

Sir I am also work with practically in **Ansys, Comsol, SCADA, PLC, MATLAB, AutoCAD, Inventour, Augment Reallity, DCS, Embedded system, HT And LT Panel Design** and newly lunched **Arduino & Raspberry pi** controller board. I am enclosing my Resume for your kind perusal and looking forward to an opportunity to present my skills and capabilities.

Regards with thanks.

Viral kalariya

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Objective :-

Looking to use skills in time management, working as part of a team and meeting deadlines for the betterment of employer company as an Electrical Engineer.

Technical And Professional Skills :-

- 1 **Ansys , Comsol, ETAP** simulator and Protection system analysis.
- 2 Electrical system **Design and estimation** (technical calculation, BOQ, BOM)
- 3 Energy audit.
- 4 Microcontroller **8051 , Arduino & Raspberry pi** Programming
- 5 **SCADA** and **PLC** (program and interfacing).
- 6 **Inventour , Autocad 2D 3D design and Program , Eplan, 3DS max** for **Augment reality**.
- 7 Computer system **networking** and system programing.

Accomplishment :-

Project

1. Raycham RPG Research project

2000A LT panel Design for CSS with use of basic electrical calculations and analysis in **Ansys, comsol** software.

2. Gujarat Vidhansabha(assembly house) Lighting design.

Interior lighting design for Gujarat vidhansabha with **lux ,luminous calculation and 3D lighting with project estimation** with use of relux software.

3. INTAS corporate house automation and electric design.

Propos electrical and full automation (KNX base) system design and calculation with project estimation for INTAS. We was propos Schnider KNX base automation system and INELS RF automation system with Philips and Bajaj lighting for interior and exterior side of corporate house.

4. Honda motor HT system design design.

We was design and project estimate of 11KV, ICOG HT system with numerical protection at Honda Automobile plant, and co-ordinate with commissioning team.

5. Imerys ceramics (Lighting, Office wiring, HT, LT, Cable design and Estimation).

In this project my team is work on complete electrical system execution and commissioning. And my role is Design, estimation and project planning in given time line.

6 2000A Compact panel design and simulate.

2000A , 415V LT panel design in 800mm x 2000mm x600 mm (**2D and 3d** design and comsol simulation is our scope of work). we are also design and simulate (Magnetic and CFD) automatic arc quenching mechanism.

7 LT Panel Design At South Africa.

2000A , 415V LT panel with three incommers and 32 out going feeder (**2D and 3d** design is our scope of work). Two DG set with the synchronize panel and Automatic source change over switch (**ABB**). Logical Sequence is control base on LOGO **PLC** . and **SCADA**.

8 HT & LT System Design Of SSNIT Project.

1025A CCV type RMU, 750KVA Xmer, 4 feeder Pillar, 256 DB with Earth fault protection of TT grounding system, Thermal magnetic microcontroller base overload and short circuit protection with remote indication and trip control.

9 LT Cable Inspection

3.5 Core and 4Core 1.1KV grade XLPE Armored underground cable ad per BS standard. Test perform (HV test, Conductor resistance test, IR test, insulation test, inner Armoring test, flammability test, Hotset test, Chemical reaction test.

10 Municipal solid waste to energy

Microwave induce Plasma Gasification base municipal solid waste to electrical power generation and make paved block by using its Tar. My work area is to design **DCS** system and make complete **interlock instrumentation logic**. Design Electricity transition system.

11 Modification of STP Plant Design at Jaspur (Ahmedabad)

Reconstruct Sewage Treatment Plant and Modify into **MSBT technology** with compact container base solution and make Order free environment, Design new **Electrical and Automation** system with energy management solution.

12 AGV for Bhabha Atomic Research Center (BARC) At Mumbai

Scale coordinate base Automatic guided vehicle for work in radiation zone at BARC. My Scope of work is to design and estimate Electrical and Automaton system.

13 Robotic Arm (4DOF). By using Arduino Uno

Automatic programmable robotic arm with 4DOF , base on Hptic principal and Forward Kinematics, Reverse Kinematics theory with **DC Servo motor and gear motor control** . Design in autocad and simulation in matlab.

Work Experience :-

PARAS GROUPS.

Post :- Project Engineer

Work :- HT and LT **Panel Design** and **Estimation, Planning**

Time Period :- 26/3/2015

SSBI Pvt Ltd.

Post :- Electrical & Automation Design Engg & Project Coordinator.

Work :- Electrical and DCS System Design.

Time Period :- 11/6/2014 to 29/12/2014

WENS INFRASTRUCTURE

Post :- Site Engineer

Work :- Erection , Testing , Control wiring , Commissioning up to 220KV substation .

Time Period :- 4/8/2013 to 10/6/2014

Academics :-

B.E.(ELECTRICAL)

- **CPI: 7.68** (first class with **Distinction**)
- **Om Shanti Engineering College**, Rajkot.
- Gujarat Technological University

Industrial Training and visit :-

Sikka Thermal power plant	at Sikka GETCO
CHPSH	at Sardar sarover
RBPH	at sardar sarover
Jyoti Switchgear	at Vadodara
CCPP	at Thuvaran

Declaration

Above all information is correct.



Kalariya Viral