

Gaurav Jayswal

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Summary

- Technically accomplished professional with nearly **5 years** of experience in **Hardware Designing** and **Quality Control**.
- Currently associated with **P2Power Solutions Pvt. Ltd**, Noida as a **Hardware Designer**.

Organizational Experience

Organization Name	Duration		Designation
	From	To	
P2Power Solutions Pvt. Ltd., Noida	May 2018	Till date	Hardware Designer
Caire Consult, Greater Noida	Nov 2013	April 2018	Quality Manager

Skill Sets

Software	Solidworks, Autocad, CATIA V5, M.S. Office, M. S. Excel, Coral Draw, Lab View, Modscan etc.
Measuring Equipments	Perfect knowledge of Measuring Equipments (Vernier Calipers, Micrometer, Multimeter, Coating thickness tester etc.)
Incoming Inspection	Incoming Inspection of Materials (GI Sheet gauge inspection, Coating Measurement etc.)
Calibration	Calibration of Measuring equipments (VAQs & CO2 Sensors etc.)
Programming	Programming in HVAC Controller with the help of Smart key & PGD or eXtreme Burner-AVR software.
Air-Flow Measurement	Measurement of CFM with CFM meter or HVAC Controller.
Testing	Testing of VAQs, HVAC Controllers, Actuator, Thermostat, DP Sensor, CO2 Sensor, PLD, Fire Damper etc.
Test Certificate	Preparation of Test Certificates, Incoming Inspection Report, Commissioning Report, SOP of various process etc.
Design	Design of Label as per air-flow of VAQs, VCD and Fire Damper etc. in Corel Draw.
Final checking	Making setup of Controller with VAQs and final test with air flow and prepare them for ready to dispatch.
Others	Basic knowledge of 7-QC Tools (Check sheet, Histogram, Paraeto Analysis,Fish bone diagram, Scatter Diagram, Flow Chart, Control Chart).

Work Experience – Key Project Details		
P2Power Solutions Pvt. Ltd., Noida		
P2 Power Solutions was established in 2006 in the R&D lab of IIT Kharagpur by a group of IIT B.Tech students and faculty. The company was built with the vision to provide energy efficient solutions through continuous technology innovations.		
Projects Executed		
Project Name	300 Amp. Active filter	
	Role:	Design Engineer
	Client:	Voltas
	Tool:	Solidworks
	Roles and Responsibilities	<ul style="list-style-type: none"> ➤ Preparation of Complete assembly of 300amp. Active filter by using sheet metal concept and advance mate concept in Solidworks. ➤ Also 3-D model Preparation of following Items :- <ul style="list-style-type: none"> ➤ Mounting Plate, Contactor, Insulator, Relay etc. ➤ SMPS, MCCB, Terminal Block, Pre charge resistance etc. ➤ HMI Card, DSP Controller, Selector Switch, MCV etc. ➤ Sensor Card, Shocket, Stack, Choke, Bridle Resistance etc ➤ Ripple Resistance, Ripple Capacitor, Gate Driver etc. ➤ Snobber Resistance, Snobber Capacitor, etc. ➤ IGBT, Blower, Top Mounting, Gasket etc.
Project Name	Design of Plates, Heat Sink and Heat Sink Base	
	Role:	Design Engineer
	Client:	CHW Forge
	Tool:	Solidworks, Autocad
	Roles and Responsibilities	<ul style="list-style-type: none"> Preparation of following :- ➤ +ve copper and insulation plate for 75 Amp, 100 Amp, 250 Amp And 300 Amp Stack. ➤ Reference copper and insulation plate for 75 Amp, 100 Amp, 250 Amp And 300 Amp Stack. ➤ -ve copper and insulation plate for 75 Amp, 100 Amp, 250 Amp And 300 Amp Stack. ➤ Heat Sink for 75Amp, 100Amp, 250Amp And 300 Amp Stack. ➤ Heat Sink Base for 75Amp, 100Amp, 250Amp And 300 Amp Stack. ➤ Complete 2-D Creation of IGBT, Capacitor, Plates, Heat Sink and its Base for 75Amp, 100Amp, 250Amp And 300 Amp Stack in Autocad. ➤ Complete 3-D Assembly of Heat Sink and its Base for 300 Amp Stack by using Sheet Metal concept and Advance Mate Concept in Solidworks.
Project Name	800 Kvar and 1000 Kvar HPFC (Hybrid Power Factor Correction) Panel.	
	Role:	Design Engineer
	Client:	Tricolite Electricals
	Tool:	Autocad
	Roles and Responsibilities	<ul style="list-style-type: none"> Preparation of following :- ➤ General Arrangement Diagram ➤ Single Line Diagram ➤ Bill Of Materials ➤ Schematic Diagram ➤ Single Line Diagram

Caire Consult is a leading company in India, designing and manufacturing state of the art products for HVAC control and management systems under the brand 'CONAIRE'.

Roles and Responsibilities

- (1) Incoming Inspection / Receipt Inspection:-**
1. Request for inspection from store.
 2. Testing of each raw material before it is used in the production process.
 - (A) GI Sheet guage inspection by using micrometer.
 - (B) GI Sheet Coating measurement by using coating tester.
 - (C) Dimensions of Bearing Square shaft by using Vernier Caliper.
 - (D) Inspection Of Gears, Bush, Blades, pin-85 mm. etc.
 3. Preparation of Incoming Inspection Report.
 4. Material Confirm / Non-Confirm as per Control Plan.
 5. Provide Information to store and they take action as per “procedure for control of Non-Confirming Product”.
- (2) In-process Inspection / Set-up Approval :-**
1. Request for set-up approval from production.
 2. **Dimensional inspection**-Inspection of length, Width & height by using measuring tape of Following :-
 - (A) VAQs (Variable Air Quality station) and
 - (B) VCD (Volume Control Damper)
 3. **Visual Inspection**-Checking of Rotation of blades (open/close) , Actuator fitting, Leakage in pipe etc. performs properly or not.
- (3) Control of Monitoring and Measuring Equipments :-**
1. Prepare Calibration plan for VAQs .
 2. Provide air flow from VFD to VAQs and take readings from Manometer and get Calibration values from Lab View Software.
 3. Do programming in Controller by using Smart key or eXtreme Burner-AVR software.
 4. Feed Calibration data into Controller by using PGD or Modscan.
- (4) Final Inspection / Pre-Dispatch :-**
1. Prepare set-up for final testing of VAQs corresponding to its controller.
 2. Check its Modscan data (Damper position, , differential pressure, Actual air flow, Demand air flow, temperature/co2/co set point, Device id etc.)
 3. Prepare Label of VAQs , VCD, Fire Damper etc. on Corel Draw Software.
 4. Attach Lables to its corresponding dampers.
 5. Prepare Test Certificate of VAQs, VCD, Fire Damper, Grilles etc.
 6. Prepare SOP of the process.
 7. prepare Commissioning report of site.

Achievements	
➤	Received Cash Award for Best Attendance & Best Employee Award – 2 times till now.
➤	Got 1 st Highest Mark in Mathematics in B.Tech 3rd Semester.
➤	Aquired CCC (Course on Computer Concepts) Certificate from NIELIT (National Institute of Electronics and Information Technology) , Ministry of Electronics and Information Technology, Government of India.

Personal Strengths	
➤	Good problem solving skills, critical thinking.
➤	Disciplined, dedicated to work, optimistic and motivated.
➤	Hard working, good listener and quick learner.

Educational Qualification	
➤	B.Tech in Mechanical Engineering specialization in Manufacturing Technology with aggregate 71.36% from J.S.S. Academy of Technical Education, Noida, (U.P.) in 2012.
➤	Intermediate passed from U.P. Board in 2005.
➤	High school passed from U.P. Board in 2003.

Personal Information	
Father's Name	Mr. Shitala Prasad Jayswal
Date of Birth	08 th May 1988
Marital Status	Married
Nationality	Indian
Sex	Male

I hereby declare that the information given above is true to the best of my knowledge.

Date:
Place: Noida

Gaurav Jayswal