

SHUBHAM SHARMA

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Career Objective

I wish to be a part of an organization, wherein I can add on to my knowledge based on multiple fields, and use it for the benefit of both.

Brief Overview

- A competent professional with over **5 Plus Years** of experience in the areas of **Design & Development of wiring harness** for Passenger vehicle/Defence equipment.
- Looking after of all the activities in electrical wiring harness Design for **BS VI CNG & Diesel variant, Electro-hydraulic vehicle** such as routing, Component selection, circuit design, Schematic, Diagnose Trouble shooting, ECU Communication network etc for complete vehicle.
- Worked as a Deputised guest engineer at **KMC ESCORTS INDIA LIMITED** for design related clarification. And also working with **JCBL LIMITED** for design & development of **Defense Equipment's like HPL (K-Scissor Loader), & refurbishment of ARV-VT72 Tank**, VAVE etc,.
- Knowledge of Wiring Harness Components i.e. connectors (in-line/device specific), Fuse/Relay Box, MCB, Switches, Terminal, Grommet, Protectors, Exteriors, CAN Protocol etc.
- Knowledge of Design Software like **AutoCAD**.
- Knowledge of design and development technical documentation i.e. **BOM, Circuit details, Manufacturing drawings** etc.

Professional Experience

- **Kriptech System Engineering Pvt Ltd./JCBL Limited**
Designation: Senior Electrical Engineer (R&D Department)
Period : Feb'2021-Till now.
It is a manufacturer of Defense & Aerospace equipment.
- **J.S. Auto Pvt. LTD**
Designation: Electrical Design Engineer
Period : Mar'2020- Feb'2021.
It is a manufacturer of three wheeler auto rickshaw.
- **VI-SON Cables Pvt. Ltd.**
Designation: Design Engineer
Period: March '19 – Feb'2020
Its products are supplies to Escorts, Mahindra , TMML, Godrej, Cummins, Kion, Blue star, Bagchi, Hyundai construction, Piaggio, MURAT, MINDA SAI, etc
- **Minda Furukawa Electric Pvt. Ltd.** (a joint venture of Furukawa Japan and Minda India).
Designation: GET (Design & Development)
Period : Oct '17 - Feb '19
Its broad business portfolio includes wiring harnesses, Steering rolling connector, Junction Box, Connectors, Terminals & Battery cables etc. for customers like Maruti Suzuki India Ltd, Suzuki Motor Corporation, ISUZU India and Renault & Nissan.

Responsibilities

- **Customer requirements and specifications**
To Understand customer requirement as per required application i.e Vehicle operation and performance & to ensure feasibility of manufacturing and solution provide. i.e Sensors, control function I/Os, Actuators, Drive control, Ecu interfacing, etc. & communicating with customer with best proposal.

- **Project Design & Development**

[As per the concept of project, selection of suitable electrical components(relays, Fuses, Connectors, Protecting tubes Sensors, CAN Communication, PVG Valve bank, etc.), schematic drawing preparation, Design wiring harness from Proto Type to SOP including DPT, PPT, MPT, PILOT and SOP through APQP System]

- **PDCA**

Performing internal and external PDCA with required action plan to meet product and process requirements.

- **Drawing Preparation / E BOM preparation**

Preparing Schematic, Layout Drawing & Circuit drawing in AutoCAD. & Prepare EBOM for application.

- **Controller Development**

Analysis of machine requirement to formulate Control technical write-up for development of controller.

Also, prepare I/Os list for as per close loop output. & calculation for electro-hydraulic drive system with implementation of sensors(o/p-PWM ,4..20mA, 0V to 10V), Pressure Switch and actuator. GUI Interfacing for display.

- **ECN/ECR**

Preparing the Technical documents and maintain Engineering Change Notice/Engineering Change Request and ensuring the implementation in final product.

- **DR/DFM**

Performing Design Review with check sheet to correct the design and assuring the design for manufacturability.

- **Provide Cost Saving Proposals by VA/VE**

[Wire length reduction, Replacement of Exteriors & also indigenization]

- **Attendance of Vehicle Assembly Trial**

Attend vehicle assembly trial to check the fitment and interference of harness with surrounding parts, sharp edges, relative motion of specific part and ensuring the previous event PDCA, verification of design and identify improvements points.

Achievements

- Awarded with Certificate from **MACE (Maruti Centre for Excellence)** for **APQP, PPAP, PFMEA**.
- Awarded with Certificate from **OMNEX** for **PFMEA**.
- Awarded for **Best Kaizen Practices** in Productivity by Minda Furukawa Electric Pvt. Ltd. in Nov. 2018.
- Given saving around **3 lacs INR** for year 2017-18 through generation of ideas/analyse it by VAVE.

Current Project

- Electro-Hydraulic Platform Loader (K- Scissor Lifting Loader) for DRDO.
- Refurbishment of electrical system for ARV-VT72 Tank.

Previous Projects Handled

- Front Diesel & CNG Three-Wheeler.
- Rear Diesel & CNG Three-wheeler.
- Escort India limited (All NPD models like FARMTRAC, POWERTRAC, KUBOTA ELECTRIC).
- YE3_MC: Maruti Suzuki ALTO 800
- YSD: Swift/Desire

Education

- Bachelor of Technology in Electronics & Communication Engineering from Dr. A.P.J. Abdul Kalam

- Technical University during August 2013 to Jun 2017 with 67%.
- Higher Secondary from CBSE, UP in 2011 with 54%.
- Secondary from CBSE, UP in 2009 with 64%.

Training Attended

- Attended in house training in AutoCAD, Basic of Catia V5.

Personal Details

Father's Name: Sh. Ramesh Chandra Sharma

Mother's Name: Smt. Anita Sharma

Date of Birth: 15th April 1994

Sex: Male

Marital Status: Unmarried

Nationality: Indian

Hobbies: Traveling new places, Playing Volley Ball, Listening Music

Permanent Address: Araj No. 117, Ashok Nagar, Gooba Garden Road, Kalyanpur, Kanpur, UP.

Date :

Place : Lalru, Punjab

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