

Curriculum Vitae-Electrical Design Engineer

Anup B. Ramteke

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OBJECTIVES

I wish to be a part of an organization which can provide me challenging work and dynamic environment to utilize my best of knowledge and want to render my best efforts towards growth of organization.

PROFESSIONAL SUMMARY

- Total 8+ years of experience & relevant 6.5+ years in Design and Development of electric schematics & harness in automobile domain
- Currently working as Senior Design Engineer with **L&T Technology services, Vadodara** from 27-04-2023
- Worked as Senior Design Engineer-Electrics at **Normet India Pvt. Ltd, Jaipur** from 07-12-2020 to 27-01-2023
- Worked as Design Engineer at **Rolls-Royce Power Systems (EARC), Pune** from 22-05-2019 to 30-11-2020
- Worked as Design Engineer at **Terex India Pvt. Ltd (TIRC), Bangalore** from 11-12-2017 to 17-05-2019
- Worked with **KSD Technologies India Pvt. Ltd, Nagpur** from 04-07-2016 to 30-11-2020
- Worked as Assistant Professor with **K.D.K College of Engineering, Nagpur** during period 20-10-2014 till 13-4-2016.

SKILL SET

- Hands on experience on design tools i.e., **Zuken ECAD E3 series, Inventor, Unigraphics NX & AutoCAD**
- Selection of Wire, Component, Creating BOM (Wires, Connector, Terminal, Fuse, Grommets, Clamp, Glands Etc.) as per standards
- Design of Electrical circuits, Schematics, Modification and Updates in existing drawings
- Device list, Cable list, Preparation of Bill of material
- Wiring harness creation and Electrical 3D routing for Mining & Tunneling equipment's, Heavy lifting cranes & Marine engines
- Creation and Maintain Database in **PLM tool (Sovelia, Team Center & Windchill)**
- Creation of parts Catalogue & Instruction Manual
- Sound knowledge of Automobile schematic & Harness Components
- Supplier Handling, Cost Optimization, Resource planning
- Knowledge of switchgears and control components
- Customer Requirements & Technical Suggestion Based on the Project Requirements

COMPUTER SKILL

Design Tool

- Zuken-E3 Series
- Unigraphics NX 8.5
- Autodesk Inventor
- AutoCAD

Desktop Tool

- PLM (Sovelia, Team center, Windchill)
- MS-Office

CAREER PROFILE

- At Normet India Pvt. Ltd, Jaipur From 07-12-2020 to 27-12-2022

Project	Indian Truck Base Charging machine (TBC)- NPD
Position	Design Engineer (Electrics)
Roles & Responsibilities	<ul style="list-style-type: none">• Project Analysis, Machine Operation & its use• Planning & execution of NPD according to timeline• Selection of electrical automotive component (Relay, Connectors, Terminals, wires, lamps, switches, sensors etc.) as per there use, requirements & UL standards• Supplier meets, Cost optimization with good quality & services• Study of technical specification & datasheets of components & devices• Worked on CAN Bus/J1939 protocols• Coordinating with other departments for design finalization & BOM related things• Gathering Database of electrical components & devices• Database creation of new components in zuken E3 database version• Responsible for wiring harness design, integration and verification• Project Schematic creation & releasing on PLM tool (Sovelia)• BOM finalization with accurate QC• Troubleshooting of faults & resolving• 3D harness routing using Inventor & 2D harness drawing creation with IPC 620 standards• Installation drawing creation using inventor• Design & Fixtures finalization for component placement• Parts catalogue & machine operating instructions manual creation
Tool	Zuken E3, Autodesk Inventor, AutoCAD.

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Project	<i>XL30 Machine (3D harness routing using Inventor&2D harness lay outing using Zuken e3 tool)</i>
Position	Design Engineer (Electrics)
Roles & Responsibilities	<ul style="list-style-type: none"> • Input gathering from Normet Finland R&D team • 3D modeling of XL30 machine using Inventor • Location finalization of components & finding the shortest feasible path for routing • Cost optimization for harness & its components • Referring 3D routing, creation of 2D harness layout in Zuken E3 • Selection of harness components like Cot. Tube, heat shrink, ferrule, mating connectors, couplings, cable glands, reducers etc. • BOM creation & it finalization with accurate QC • Releasing harness drawings under main machine BOM • Followed project deadlines & delivered on time • Designed harness considering DFMEA/DVPSOR
Tool	Zuken E3, Autodesk Inventor

- **At Rolls Royce Power System (EARC), Pune from 22-05-2019 to 30-11-2020, deputed through KSD Technologies Pvt. Ltd**

Project	<i>Creation of Electrical schematic for various models of Marine Engine Automation</i>
Position	Design Engineer (Electrical Automation Team)
Roles & Responsibilities	<ul style="list-style-type: none"> • Study and Analyzing Input received from the customer • Engine Automation system for BVNG/Ganoline/Callosum MTU series engines • Finalize Local Operating panel, Control stands for automation • Selection of EIM, ECU, EMU and other controller component • Analyzing existing schematics • Creation of schematics with the help of input CAD file • Assigning wires and cables to schematic drawing with proper signals • Creation of Bill of material, Connector table, Splice table, Wire list • Quality check and review of schematics • Data handling on PLM Tool (Windchill)
Tool	Zuken- E3

- **At Terex India Private Limited (TIRC), Bangalore from 11-12-2017 to 17-05-2019, deputed through KSD Technologies Pvt. Ltd**

Project	<i>Creation of Electrical schematic and harness for RT45, RT45L and RT35 crane model</i>
Position	Design Engineer
Roles & Responsibilities	<ul style="list-style-type: none"> • Analyze the inputs from site, supplier and finding them in E3 database • Studying and Calculation for circuit design aspects, requiring for schematics and harness drawings • Gathering and Finalizing data from different suppliers • Creation of missing components in E3 database taking references from datasheets • Analyzing existing schematics and harness drawings • Creation of schematics with the help of input CAD file • Creation and finalize harness layout with connector views and dimensions • Assigning wires and cables to schematic drawing with proper signals • Creation of Bill of material, Connector table, Splice table, Wire list • Quality review of schematics and harness drawing.
Tool	Zuken- E3

Project	<i>3D Electrical routing for T300, T500 and T700, RT110, RT600/700 Cranes models</i>
Position	Design Engineer

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Roles & Responsibilities	<ul style="list-style-type: none"> Analyze and develop new technologies, component and features to make truly differentiated and clarified product visualization Finalizing & Creation of 3D models in Team Center as per the specified ratings in electrical schematic drawings Creation of new harness drawing part no's in Team Center Study schematics and harness drawings with connector table and wire list Finalizing the location of components, taking reference from input Finding the way of Electrical routing path for various harness such as Chassis Harness, Superstructure harness, Engine harness, Cab Harnesses, Transmission harness, boom valve harness etc Spline path and Bundle creation for wire harness with respect to dimensions of cables and branches Create and Export PLM/XML file from Zuken E3 Routing bridge Importing PLM/XML file to UGNX for assigning Device Id and Auto route option Updates related to connector, routing path, dimensions and clearing interference Quality review of complete assembly with Electrical routed harness
Tool	Unigraphics NX, Zuken E3

• **At KSD Technologies India, Nagpur from 10.07.2017 to 08.12.2017**

Project :	<i>Preparation of Electrical Functional Drawings for Agriculture Tractor</i>
Position	Design Engineer
Roles & Responsibilities	<ul style="list-style-type: none"> Prepare the electrical schematic for specific electrical functions so that trouble- shooting can be managed easily Study the existing harness drawings, pull out the connections specific to functions connected to various harness drawings Create the electrical schematic with snaps of end device and connector front views Quality review of EFDs
Status	Completed
Tool	Zuken-E3

Project:	<i>Development of Customized Component, Symbol library in Zuken E3 database</i>
Position	Team Member
Roles & Responsibilities	<ul style="list-style-type: none"> Download and Study Component Datasheet from supplier website Create Symbol & Components as per datasheet. Adding client specific attributes Study switchgear component
Tools	Zuken-E3

EDUCATION

Degree	Specialization	University	Year of passing
M-Tech	Electrical & Power	RGPV, Bhopal	2022
B.E	Electrical	RTM Nagpur University	2013
Diploma	Electrical	MSBTE	2010

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PERSONAL DETAILS

Fathers Name : Shri Bhagwan D. Ramteke
Mothers Name : Smt. Sangita B. Ramteke
Date of Birth : 15/09/1989
Nationality : Indian.
Passport Number : L2587170
Languages known : English, Hindi, Marathi.
Hobbies : Singing, Listening to soft music, Social Activities.
Permanent Address : Plot no, 261, Chandan Nagar, Near Ram Mandir, Nagpur, Maharashtra-440009

DECLARATION

I hereby declare that the above mentioned information is true to the best of my knowledge and skills.

Place:

Date:

(Anup B. Ramteke)