

Akshay Vasant Chavan
Electrical - 2015(Pune University)
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Career Objective:

With knowledge and skills in Electrical machines and industrial products, I will contribute to the success of the organization and to secure a challenging position where I can effectively contribute my skills as Professional, analytical and possessing competent Technical Skills.

Summary:

- A competent professional with 4.6 years of experience in:
 - **Design and Development of Industrial products**
 - **Testing & validation of industrial products**
- Dependable, self-awareness and reliable in supporting and enabling team effort to produce genuine long-term sustainable development.
- Self-motivated for creating new products and technologies. Good Knowledge of Electrical Machines, Magnetics, Generators, Transformers and Industrial products.

Profile Summary:

- Having 4.6 years of experience in Industrial Product Design.
- Hands on experience on start to end development.
- Exposure working in: Product Design development and testing, Preparation of detailed design documents, specification sheet, flow charts & logic diagram
- Selection of electrical components with necessary metering and protection etc.
- Design of wiring diagram & Termination using electrical Auto-cad
- Single line diagrams, flow chart and BOM creation, generating test and reliability data.
- Excellent debugging skills with root cause of failure.
- Product benchmarking and component selection.
- Preparation of design documents based on ISO.
- Experience on all stages of Product Development Lifecycle, Involvement in certification of the products (Based on IS and UL standards) .
- Preparation of specification sheets, change order requests, coordination with client and other disciplines. Provide engineering support during construction and assist proto type development

Organizational Experiences:

Since June-2015 with Intelux Electronics Pvt. Ltd as Design & Development Engineer in Design department.

- Department & Business Unit Wise Deputation
 - **June 2015 – Till date(4 years)** **Design & Development engineer**

Project 1: Direct current Diesel generator

It is Direct Current Generator used for Telecom site to charge the BTS battery bank. This Diesel Generator produce rectified output DC 48V and controlling engine through actuator by taking feedback of battery voltage and current, available load voltage & current at site. Familiar with Mitsubishi, Perkins and Lombardini engines.

DC DG application both used as mobile DG and fixed on site with load sharing logic

Role: Research and Development of solution for efficient and fuel saving solution for diesel generator.

Prepared design outputs and develop solution with better fuel efficiency. Inputs to software team, Layout preparation, Harness design Development testing and troubleshooting, Reliability testing, BOM preparation, Validation Testing Norms.

Project 2: Electronic Rectifier & Regulating unit

It is power management system for Indian Railway ERRU regulates the power generation in trains. This is electronic control to control the field current of 4.5 KW alternator. The output voltage can be set from 120 V DC to 130 V DC

Role: Development testing and troubleshooting, Reliability testing, BOM preparation, Validation Testing Norms.

Project 3: Permanent magnet variable speed alternator

It is Permanent magnet high frequency generator developed to reduce footprint of conventional constant speed alternator which also increases the efficiency of the alternator. Designed and developed alternator up to 16 KW

Role: Design and development activity, Vendor identification for stator and rotor development testing and troubleshooting, Reliability testing, BOM preparation, Validation Testing Norms, Product Functional testing.

Project 4: Brushless BLDC FAN

It is remotely operated ceiling fan which consumes 30 watt/hr energy as compared to conventional fan consumes 80-100 watt/hr .Inbuilt power supply converts 230volt AC into 24V DC to operate fan.

Role: Design and development activity, Vendor identification for stator and rotor development testing and troubleshooting, Reliability testing, BOM preparation, Validation Testing Norms, Product Functional testing.

Project 5: Industrial Panel**STATIC VOLTAGE REGULATOR, SERVO CONTROL VOLTAGE STABILIZER)**

It is power management system for Industrial and Telecom. It maintains the input of the site irrespective changes in mains supply.

Role: Testing and troubleshooting, Reliability testing, Validation Testing Norms.

Project 6: Electric Vehicle Charger

Charger is the device responsible in doing the charging activity. It will accept the power source and process it such that safe to the device to be recharged. Chargers have constant current and constant voltage feature

Role: Design and development activity, Vendor identification for Power modules,HMI,Switchgear , testing and troubleshooting, BOM preparation, Validation Testing Norms, Product Functional testing

Academic Projects**Microcontroller Based Dual Axis Solar Tracker System**

Based on maximum power point tracking concept designed the solar panel structure and logic by which solar panel rotate in 180 degrees to achieve maximum sunlight.

Role: Design and Development, Logic building, assembly and testing, Documentation.

Education Qualification:

Degree	University	Institute/College	Year of Passing	Percentage
B.E. (Electrical Engineering)	Pune University	Trinity college of engineering Pune	2015	71.88%
H.S.C	Maharashtra Board	Purandhar college,Saswad	2011	66%
S.S.C	Maharashtra Board	MJSJ Sakurde,Purandhar	2009	90.46%

Additional Qualification:

The completed Electrical Auto-Cad software course at CAD center Pune.

Personal Information:

Name	Akshay Vasant Chavan
D.O.B	08/05/1993
Address	Flat No 8, Birmane complex Sadashiv dangat nagar aambegaon , Pune 411041
Nationality	Indian
Marital Status	Married
Languages	English, Hindi, Marathi.
Hobbies	Watching Creative & innovation videos, listening songs, playing cricket.
E-mail ID	akshayc210@gmail.com

I hereby declare that particulars given herein are true to the best of my knowledge & belief.

Place: Pune

Akshay V. Chavan