

AKSHAY VASANT CHAVAN

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SUMMARY

Seeking assignments in engineering design, reliability product testing, design validation along with critical project execution/planning with an organization of repute.

WORK EXPERIENCE

2015 – Present **DESIGN ENGINEER**
INTELUX ELECTRONICS PVT. LTD.

- Design and develop product as well as processes as per customer requirement factoring into cost, performance, size and reliability
- Plan, design, develop and implement continuously improved manufacturing processes, test automation systems, new test fixtures, guidelines and operating procedures
- Ensure that designed prototype meets all the adequate design requirements, acceptance criteria, safety criteria in accordance with various safety IEC, UL, IS and EMI/EMC standards
- Product specification, Architecture, SLD, software logic flow chart development
- Product benchmarking and component selection
- Implement value engineering concepts in order to reduce cost related to various products and process without affecting the quality
- Conduct various process trainings to coach other engineers to ensure effective implementation of process
- Interacting with customer related to various project related issues and to provide the solution
- Determining product design related issues by analyzing, verifying and using tools such as CAPA, RCA, PFMEA, PPAP etc.
- Conduct ISO 9001:2015 internal audit , preparation of design documents based on ISO
- Leading and executing reliability testing of a variety of Electro- mechanical products; responsibilities include setting product Reliability Goals, developing test plans, planning and test execution, prepare Reliability test reports, perform failure analysis and recommend corrective actions
- 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.

ACADEMIC DETAILS

Savitribai Phule Pune University

BE Electrical

70.4% | 2015

PROFILE SNAPSHOT

Design verification and validation
Product reliability testing
Leading and executing reliability, EMI & EMC testing
Building automated test setups
Project planning and execution

SKILLS

Personal

Leadership, Strategic Planning
Time Management
Resource Management
Good Communication

Computer

MS-Office, Auto cad

LANGUAGES

English, Hindi, Marathi

PROJECT

1) AMF Panels [Client- Indus Towers, Bharti Infratel, VIOM/ATC]

It is power management system for telecom application. Power to telecom site given by AMF panel using Mains, Battery, Diesel Generator (DG).Data logging done for every 1 min

2) Servo & Static Controlled Voltage Stabilizers [Client- Emerson, Vertiv]

It's a controller based stabilizer, which is used for regulating output voltage to a specified voltage band even though there is variation in input voltage by using servo mechanism

3) DG Cranking Unit (using super capacitor) [Client- Indus Towers, Mahindra, Bharti Infratel]

It is SMPS based charger used to store energy in super capacitor bank which is used for diesel,gas generator cranking

4) Electronic rectifier & Regulating unit [GAEC]

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

5) Brushless DC FAN [Bajaj]

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

Major Role:

- Design panel as per specifications, Inputs to mechanical, software team, testing and troubleshooting, Reliability testing, BOM preparation, Validation
- Develop and continuously improve manufacturing processes and documentation thereof, including development of automation setups, guidelines and operating procedures
- Simulate and perform software verification for various embedded projects
- Design validation testing with standards such as IEC, EMI/EMC, IP, etc.
- Responsible for the technical guidance for internal teams and field people
- Responsible for the setting-up, testing and approving of the product

Operational Responsibilities:

- Developing prototype and conducting on-field reliable test trials
- Interact with internal and external customers as necessary to ensure clear communications of processes, procedures, design improvement opportunities
- Investigate technical complaints and product failures and support accreditations efforts by engaging in technical audits locally
- Handover of the designed product for the QA, Production and Field people with respective documents and support