

Akhil Dipak Nemade

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Objective: Looking for the challenging opportunity which demands the best of my professional ability in terms of technical, analytical skills which helps me in broadening, enhance current skill and knowledge.

Career summary:

- A mechanical engineering professional having 8.8 years (July2014-Present) experience as design engineer in Elevator and Automotive sector. Currently (Dec 2019 onwards) working with **Schindler CRD Pune as a Product development Engineer**. Working on the final level system integration, Interface checking (Static and dynamic state) in system if new component needs to introduce in system. Prior to this working with **Knorr-Bremse systems for commercial vehicles Pune**. Working for actuators, slack adjuster & drum brake under wheel end products team. Responsible for product to its entire life cycle along with brake system design. Proficient in work with CREO 4.0, PLM (Teamcenter). Having exposure to design of sheet metal, casting & plastic parts. Also familiar with interface of other 3D modelling tools such as CATIA & UG-NX.

Role and responsibilities: Schindler CRD Pune

- Responsible for end-to-end solution providing when new Elevator system introduce with new standard / regulation updates.
- Interface check with system level when any new component / position from sub-system level is updated in system.
- Update system documents for its relevant change due to change in standard (Global or country specific), field issue, product enhancement point of view.
- Check for field issue relevant to system level and provide solution to it & may require alignment with CFT as well for final solution implementation.
- Work with CFT for implementation of CCQL (VAVE) and to check system impact due to new update.
- Act as a PJM if any new product requirement / update required as a cost reduction initiative / Code requirements and assign tasks to all stake holders via change management or change request.
- Document release management handling for product carried out via SAP interface.

Role and responsibilities: Knorr-Bremse systems for commercial vehicles

- New product design with considering view of customer, product functional requirement and change in application at final vehicle end.
- Involved in VAVE assignments & activities to get most efficient and suitable solution for part without compromising its quality and working ability.
- Team member for product DFMEA creation and its continuous upgradation as its live document and make sure continuous improvement for product.

- Regular co-ordination with customer and application team for product fitment trials on vehicle level, DVP Discussion, brake system integration or aggregate level study, analysis of product field failure issues and its resolution at customer end.
- Understanding of total braking system from air generation, air treatment and distribution through different pneumatic valves and final application at wheel end. This helps to understand total system and helps at retro fitments of Component or Proto parts on vehicle and to address field issue at customer end.
- Solid modelling, assembly & drafting in CREO 4.0 with consideration of manufacturing feasibility and total product functioning.
- Work with cross functional team to resolve regular serial production line related issues for product.
- Interaction with project management team and marketing team for new product or variant development and to understand customers need and application so customer gets the best suitable solution.
- Hands on PLM for drawing, BOM revise & change management task required for the release process.
- Involvement in prototype development, supplier feasibility for concept phase design and considering product requirement with help of hand calculation for force requirements for pneumatic actuator also designing new spring based upon new variant requirement.
- Responsible for product testing and validation, tear down analysis to evaluate the product performance.
- Creating DVP with co-ordination with customer to understand special requirements along with all functional test requirement coming from product function. Based on DVP test carried out at internal lab / external lab / actual field and make final report.
- Product packaging study done at customer end to do product feasibility, Chassis level vehicle articulation study, maintaining clearance of product with other part like suspension system and nearby peripheral components on chassis in static & dynamic condition on existing vehicle.
- Design review with global central team for existing and new product.
- Consider or ensure products contain all items from BOM are meeting global requirements in term of sustainability and adhere to RoHS and REACH compliant.

Project (Cost saving for Brake Chamber) - Knorr-Bremse

- New design of brake chamber with 14% direct cost reduction in current RMC.
- Modified existing serial design at child part level with cost effectiveness and getting same performance at final product level.
- Product testing, validation and preparation of analysis report used to get final release approval for product.

Relevant technical skills:

- Braking system design
- System integration
- Project management
- Release management
- Prototype building
- Product testing and validation
- VAVE projects

Education:

| Course | Year | Institute | University/Board | Marks (%) | Grade |
|---------|------|-------------------|-----------------------------|-----------|-------------|
| BE Mech | 2014 | JJMCOE,Jaysingpur | Shivaji University,Kolhapur | 61.45 | First Class |
| DME | 2011 | SPC,Sangli | MSBTE,Mumbai | 74.15 | First Class |

Academic Project:

- “Enhancement of traditional sugarcane juicer machine” (At BE level)

The aim of this project is to reduce the number of passes required to extract total juice from the sugarcane & hence resulting in reduced power consumption.

- “Design of drilling jig” (At Diploma level)

Personal Memorandum:

- Date of birth: 10TH FEB.1991
- Languages known: English, Hindi, Marathi
- Soft skill: Team player, adaptability, optimistic

I declare that the information given below is true to the best of my knowledge, I assure you full of my commitment & shoulder with any responsibilities given to me with dedication if given a chance.

Date:

Signature