

AJAY BABURAO WANODE

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DOB: 18th January 1992
Languages: English, Hindi and Marathi



PROFESSIONAL SUMMARY:

- Mechanical Design Engineer with 7+ years of experience in industrial automation products Valve & BIW sheet metal / Interior/Exterior plastic Trim/casting & SPM, Seating Foam Basic Knowledge vendor development domain.
- Proficient in utilizing CAD Software like **Creo, Ug Nx 12.0, AutoCAD & Solid work 2020, Autodesk Inventor 2021** with PLM software, **EPDM / PDM Autodesk Vault, TC14**
- Proficient in **Interior & Exterior plastics Trim, BIW sheet metal & casting** design consideration & its manufacturing process
- Experience in working with **global engineering teams** from USA & Australian daily/weekly meet
- Ability to act as Contact person & collaboration through for different stockholder
- Demonstrated Product technical documentation & Bulletin Creation skill from concept through Release and Launch for Production
- Strong working knowledge of DFM, DFMA, GD&T & ASTM Y14.5, Tolerance Stack-up
- Demonstrated Extended customer interaction and decision-making skill in various project
- Knowledge & working experience of ERP tools SAP 750 Company
- Knowledge of ISO/ASTM/DIN & Material ASTM standard used in engineering activity
- Preparation of GAD & EBOM, MBOM Review & release into system
- Sales model creation, High render images in 360 for organisation web publishing

PROFESSIONAL EXPERIENCE

KEY SKILL:

- Design Consideration- Plastic, Sheet metal Casting, sheet Metal
- ASME/ISO Standards
- Stage- Gate Process
- GD&T, Tolerances Stack-Up
- DFMEA, DFMA,
- VA / VE cost reduction
- ECR / ECN release

SOFTWARE:

- CAD-Solid Work 20 -EPDM
- Inventor 2021 -ADV Vault
- Ug Nx 12 -Team center 14
- Creo 7 – Auto CAD 21
- ERP - SAP 750
- VBA Excel shell scripting
- Python 3.7.6 Shell Script
- GIT, Numpy, panda, Jupyter Notebook ,Robotics frame

AWARDS:

- Thank you Awards for 98% FPY completion to customer before the Time _Emerson
- Collaboration Awards for Team Building PLM support Globally Emerson
- Event Management team member Outdoor & Indoor Activity
- Thank you Awards for completion project high priority before the timeline.

ORGANIZATION-III

Company: EMERSON INDIA, PUNE

Position: Engineer- Design Engineering Support (Sustenance)

Work Experience:

- Working on products like High Pressure Valves Solenoid Valves, FRL,
- Direction control Valves
- Support & work with USA/Australian team in terms of design and development Valve products.
- Applying GD & T and tolerance stack-up analysis
- Design & drawing Releasing through (ECN/ECR)
- Data management using PLM
- Performing and supporting design calculation like bolt selection, selection,
- spring calculation & thread engagements, torque selection, Pressure class selection, drilling Standard
- Provide Training to global & local new joiner about product team.
- Support SBU team to update KPI monthly
- Support Electrical automation Sensors, Mechanical Switches, Jbox wiring, schematic, connectors, FR, Proximity Switches
- Sheetmetal/BIW Bracket for different mountings
- Electric Actuator Cover trim product.

Project Handling:

- Sheetmetal enclosure concept design mounting electric accessories
- Plastic Trim product like Shroud & Gate Guard
- SOP creation for existing product creation
- Provided concept cyclone cluster customer site Mounting Valves
- Actuation mounting like Pneumatic, bevel gear, MH & hydraulic
- Creation of A/B surface body from Existing available.
- Rebranding Project: SOP & 3D Step,3D pdf, 2D level project completed

EDUCATION:

- 2021- PGDM in Operation Management from Welingkar Institute, Mumbai with 76%
- 2014: B.E. mechanical Engineering from SB Jain institute, Nagpur with 66%
- 2010: H.S.C from Dharmraj college, Nagpur 79%
- 2008: S.S.C from Adarsh Highschool, Nagpur 81%

CERTIFICATION:

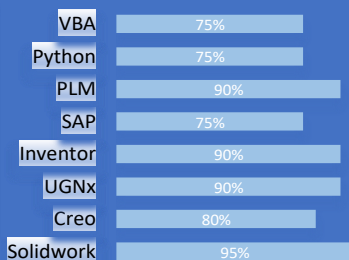
- Certified Design Engineer by CAD/CAM/UR, Pune 2015
- Automotive Interior/exterior Trim Course/ BIW, Foam Seating Basic Knowledge
- Python coding certified from Ethan's, Pune 2021

KAIZENS:

- Register kaizens for Standard library fastener creation
- Created VBA macro for Employee data Sheet consolidation
- Created SOP and register Macro for sales model creation 3D step pdf creation
- Filed Innovation idea to achieving customer order bracket concept design for mounting accessories
- Design Standard template for daily use Automies properties
- Presented Kano & Copies
- Applied Kaizen for Auto mate Properties Populate in assemblies & drawing

HOBBIES:

- Standup Comedy
- Travelling
- Listening music
- Cooking
- Trekking



Other Activities:

- Support to **PLM** team for ticket resolution high level issues
- Provides product training to another extended team for SOP's
- Support to 3D model conversion project taking ownership

ORGANIZATION-II

Company: SWIPFE ENGINEERING, PUNE

Position: Design Engineer

Work Experience:

- Preparing conceptualize & primary design with team
- Design and development of sheet metal and plastic parts including bodies, PCB cases, knobs,
- AC FHP Geared Motor, FHP Induction Motor, Reversible Motor, Electromagnetic Brake Motor, Speed Control Motor, Torque Motor, PMDC Motor, Centrifugal Blower, Magnetic Pump
- Preparing CAD models, drawings, prototypes & testing of product for their functioning.
- NPD of product PDC die design & plastic die from reverse engineering scratch, vendor development for Gear Box design
- Collaboration with cross function team from start to finish projects
- A-surface is created without tangential errors.
- B-Surface is generated by using A-surface Performing benchmarking and performing cost reduction
- C-surface creation.
- Generate VA / VE Ideas for cost effect and smooth assembly process
- Sheet metal progressive die design for brackets & deep drawing

Project Handling:

- Design & development of W30 gear box and plastic die design
- Design & Development of new case design for motor.
- Created induction head panel fixture for Motor body heating
- Motor outer body fin concept design prevention heating case

ORGANIZATION-I

Company: MKAD SERVICES, PUNE (ONSITE)

Position: Project Engineer (Mechanical)

Work Experience:

- Worked on **USA** Based Project sheet metal and weldment structure Development of the **FLEETWOOD REV Vehicle**
- A - surface is created without tangential errors. Clear minor issues in A - surface after customer confirmation if any presents. A - surface is created without tangential errors. Clear minor issues in A - surface after customer confirmation if any presents
- Tooling direction is created and Draft Analysis is carried out B-Surface is generated by using A-surface and cleared all patches, maintaining the thickness and tangential continuity
- Created C-surface for closed volume
- Adding fixation to panel like welding cylinder, locator, Welding ribs, Snap

Project Handling:

- Created large Assembly for vanity van.
- Plastic SPM machine assembly model drawing creation for Faurecia client
- Door Trim (Plastic): - Map pocket, Top role, Arm rest, Upper/Lower Trim, A/B Pillars, IP Style trim bottom, Two-wheeler mud guard, Door Grill, Bumper
- Completed foam creation training and hoggering window and trenches using studio splines, Hood, Fender, Air deflector, Cabinet, Storage Bins, Console.
- Seating (Sheet metal): - Recliner, Foot mounting Bracket, Adapter Plate
- Remastering, Master section, Surfacing, Drafting, GD&T
- Created Remastering on surface creation using studio splines and maintained Daimler History