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Blk XXXXXXXXXXX

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Personal Vision: To seek a challenging position in the field of Product Design & Development where I can apply my knowledge & experience to achieve Organizational excellence.

AWARDS & ACHIEVEMENTS

- **Received Excellence Award for Design & Development of Spin only machine.**
- **Received Excellence Award for Design & Development of Two Pedestal projects for NAR & Europe region.**
- **Received appreciation certificate for completing Design & Development of Twin Tub washing machine project in Three months.**
- **Saved 900k USD investments & reduced project lead-time by 3 months in Pedestal project.**
- **Design & development of Pedestal for India market without capital investment.**

Qualification: B.E. (Mechanical), First Class, Madras University.

Personnel skill sets

- **7 years** experience in Product design & development
(**Idea Screening, Conceptualization, Conversion & Execution**)
- **Four years** experience in Home Appliance industry & **Three years** in Automobile industry.
- **3 years** experience as a **Senior Engineer** to lead design team to execute projects in Time.
- **Innovation Volunteer** (Added 15 innovative ideas in Whirlpool Idea Bulletin Board)
Innovation Volunteer in SIEMENS VDO Automobile pte ltd. (Active participant in 3i program – Leading idea provider in Overall company).
- **Six months** working experience in **Whirlpool Tech. Center, St. Joseph, Michigan, USA.**

- Excellent Leadership Skills and communication skills. **Good Working experience in one of the Top Indian, USA & German based companies..**
- Knowledge in Product life cycle. Knowledge in GD&T, Tolerance Analysis,DFMEA, DFM & DFA.
- Six years experience in Pro/E (version 20 to wildfire 2) modules like Part modeling, Surface, Sheetmetal, Assembly & Detailing.
- Exposure to Cosmos/M, Pro/Mechanica & Ansys Design space, IDEAS & Auto CAD.
- Multiple projects handling capabilities. Good Presentation Skills using MS PowerPoint, MS Excel, MS Word & Mind Manager tools.
- **Project handling capabilities across the region (US & Europe). Experience in implementing 4 Mega projects thru complete product life cycle (Idea screening, Conceptualization, Conversion & Execution)**

Professional Experience :

Currently working as a **Mechanical Engineer (Project Leader)** in Global Tech Center, **SIEMENS VDO Automotive pte ltd.**, From Dec 2005 to till date

Responsibilities:-

Responsible to execute projects from Concept to Production as per clients requirements to ensure that the product meets cost & quality, as per schedule. Responsible for Quotation making based on customer requirements.

Safety Committee Secretary: - Responsible for all safety relevant activities and documentations to meet Safety standards.

Project Details:

Car Radio Front Ornamental Assy. Design : Design & Development of Front Ornamental assembly design for **BMW car**. This assembly consist of Front ornamental plate, buttons, Knobs, Light guides, Switchmat & PCB layout. This design ensures there is no light leakage, button wobbling, good interface with chassis & Dashboard using Pro/E wildfire 2 & Pro/Intralink.

Chassis Design for Development project: Chassis design for New Configuration which is under developing stage to ensure it meets all Thermal & EMC requirements.

Achievements in SIEMENS VDO Automotive pte Ltd.

- Implemented Concept Selection method (Weighted Decision Matrix) to Mechanical Department to finalize correct concept.
- Standardized Generic FMEA procedure for all engineers. Knowledge in IQ FMEA.
- Only person added more IDEAS in 3i program (IDEAS, INNOVATION & INITIATIVE) within Company. **Received “Award for Idea” from 3i Committee.**
- Facilitator for OHSMS 18001 certification, Got certification without any observations. (Only 3 areas of improvements recommended)

Worked as a **Senior Member Technical Staff (Sr. Engineer) in Engineering Service Group, HCL Technologies LTD.** From May 2nd 2005 to Nov 2005.

Responsibilities:-

Lead the engineering design team & responsible to execute projects as per clients requirements to assure that the product meets the established goals for cost, quality, and schedule, marketing requirements and manufacturing process. Responsible for Proposal (Quotation) making for RFQ (Request for Quote).

Project Details:

Proposal Making (Quotations) for VOIP phones & Servers based on Customer requirement

Worked as a **SENIOR ENGINEER in Fabric Care Tech Center, WHIRLPOOL OF INDIA LTD.,** Pondicherry, from DEC 18th 2002 To APR 30th 2005.

Responsibilities:-

Lead the product engineering design team in the development of the new product to assure that the new product meets the established goals for cost, quality, and schedule, marketing requirements and manufacturing process. Lead and coordinate the cross-functional efforts of the project team through conceptualization, conversion, and execution.

Project Details

Matador Pedestal : As a Tech lead from FCTC, completed design & development of 15.5” pedestal for NAR & Europe region which is successfully productionized in Clyde as per schedule. (Launch in 4Q2004)

Achievements: Saved 900K USD investment & Schedule got reduced by 3 months. ID / Engineering concepts created for Laundry basket & slide out shelf in a weak time. Achieved First time right design & meet time line as per schedule.

Horizon Pedestal: As a Tech Lead design & developed 10” & 15.5” pedestal which is matching for both Matador & Horizon platform.

Achievements: Commonised parts b/n Matador & Horizon pedestal, Cost saving ideas suggested & implemented in design.

Drying Drawer: As a Tech lead design & developed drying drawer unit by leveraging 15.5” pedestal parts & with minimum investment.

Achievements: Cross flow blower& heater concept suggested & implemented in design and saved \$5 per unit. Standardized the parts b/n low & high-end models & design to match with 15.5” pedestal structure.

Cost / Quality projects : Couple of cost / quality project support from design which includes multiple concepts creation to minimize tool modification cost & meet the requirements.

India Pedestal : As a project lead design & developed Pedestal for Front loading washing machine without Capital investment.

Achievements: Designed Pedestal using standard angles for Structure, Fabricated mesh basket for storage & FRP door which can give better finish & matching ID with washer & Vacuum foot to minimize the vibration.

Worked as a CONSULTANT in WHIRLPOOL OF INDIA LTD., Pondicherry, thru Atlantis Lab Pvt. Ltd. from Jan 15th 2001 To Dec 11th 2002.

Project Details

Project: Design A New S68 & H68 White Magic Twin Tub Semi Automatic Washing Machine in three-month schedule.

Role: Responsible for design and development of Styling related components (Control panel, Top, Wash & Spin lid, Wash & spin lid window, Knobs,) of Washing M/C & convert ID concept to Engineering design & Packing design (Cushion & Carton) using Pro/engineer.

Project: Legacy Data Migration of 4.5Kg Low Cost Fully Automatic Washing Machine.

Role: Team member and responsible for development of Top Down Design of complete Washing Machine and convert the design details into 3D Parametric modeling using Pro/engineer.

Project: Design A New H68 -ET White Magic Twin Tub Semi Automatic Washing Machine.

Role: Involved in design and development of Electronic Model Washing Machine by doing corresponding design changes and implement the design details into 3D Parametric modeling using Pro/engineer.

(Done the Correction in Control panel, Design & model the PCB holder, Escutcheon, Activator-Heater, Knob for Drain, Knob on/off, Pr. Switch Hose, Air dome assembly, & spacer. Production drawing created for all the Components.)

Project: To Prevent the **DEFLECTION of UNDERBASE** thru **FINITE ELEMENT ANALYSIS using Pro/MECHANICA.**

Description: Deflection prevented by strengthening the weak portion (by adding Ribs, increase the wall thickness at the requird surfaces, providing bridge To maintain the continuos support & strength between the walls) by Considering the possible mould Corrections in the Underbase.

Project: To Prevent the **Breaking of HINGE mounting areas in both the Wash lid & Spin lid** thru **FINITE ELEMENT ANALYSIS** using **Pro/MECHANICA.**

Description: Deflection prevented by strengthening the weak portion (increase the wall thickness of required surfaces & adding ribs) by considering the possible mould Corrections in both Wash lid & Spin lid.

Project: Design & Development of Wash **system** for **6.5Kg Fully Automatic** Washing machine (Next Gen)

Role: Responsible for design and development of Wash system (Spin Basket, Pumping Towers, Lint filter, Dynamic Dirt Dislodger, Agipeller, Balance Rings top & bottom.) and implement the design details into 3D Parametric modeling using Pro/engineer.

Previous Professional Experience:

Worked As a **Engineer** In **D & D Dept.**(Design & Development) In **HERO PUCH**, Ghaziabad, U.P. From June 10th 1999 to Jan.5th 2001.
The Company is involved in the Design and Manufacture of Two Wheelers (Scooterrete & Mopeds).

Responsibilities:

New Product Design and Development,
Optimization of Existing Design, Cost Reduction,
Reverse Engineering, & New Concept Designs using
State of the Art CAD/ CAE Tools like Pro-E, Pro-Mechanica.

Project Details

- Design a New Twin Head Light Bezel For Hero Winner Slx (Export Model)

- Design a New Tubular Swing Arm for 4stroke Vehicle Integration.
- Design a New Front Platform, Matt & Rear Luggage Carrier For Rural Load Carrying Moped.
- Design a Common Rear Mudguard for all Hero Puch Models.
- Conversion of 2D Drawings in to 3D Parametric Modelling of around 50 different Casting, Forging, Machining, Plastic & Sheet Metal Components using Pro/E 2000i2.

Computer Proficiency:

1. Auto CAD R14.
2. Auto desk Mechanical Desktop.
3. IDEAS.
4. Pro / ENGINEER (Wild fire – 2.0) & Pro-Intralink
5. Cosmos (FEM / FEA Software).
6. Pro/MECHANICA
7. Ansys – Design space