

Abhisar Gupta

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CAREER OBJECTIVE

Broadly skilled Product Design Engineer with **3.4 years** of experience with **OEM** in **BIW** and **Trims** at R&D department. Aim to secure the position of design engineer where I can present and implement my innovation ideas and designing skills to increase the market and fame of the company.

CORE COMPETENCIES

- CATIA V5
- PLM software TEAMCENTER 11
- CREO 2.0
- Closure & Mechanism of LCV, HCV & ICV
- Geometric Dimensioning & Tolerance (GD&T)
- Solid & Parametric Modeling
- BIW(Body in White) Design
- NX Cad
- BOM Preparation
- Inner Trim parts of FRP & ABS(Plastic)

PROFESSIONAL EXPERIENCE

Design Engineer

Mahindra Truck & Bus Division (Deputed by Abhikalp Design Studio).

May 2018 - Present

Project: Cruzio Grande bus(LPO) & Cruzio bus(LPECO)

Roles and responsibilities:

- Modeling and drafting of **BIW Parts** of **Bus body structure** like front, rear, side LH, side RH, floor and Roof Structure design.
- Modeling and drafting of **Closure & Mechanism** parts like Driver door Assembly, emergency door assembly, front flap assembly & roof hatch assembly as per **AIS 052** norms.
- Modeling and drafting of driver door emergency door structure assembly **BIW**.
- Modeling and drafting of **FRP plastic parts** of driver and emergency door.
- Design and development of front flap assembly BIW & Front flap FRP part.
- Modeling and drafting of Roof hatch assembly mechanism and Reverse engineering of mechanism.
- **Engineering BOM** preparation of all assembly.
- Design & development of bus exterior & interior panels like stretch panel, skirt panel, dust panel and wheel hump of all variant.
- Benchmarking of competitor vehicles.
- Hands on experience in **PLM software TEAMCENTER 11** and releasing **EN (Engineering Notice)** for the part production & **DFM** of components.
- Design and development of Tamil Nadu Emergency door assembly as per Tamil Nadu government norms.
- Design and development of FDSS mounting unit in school buses.
- Proficient in CATIA V5 modules like part modeling, surface modeling, assembly design, drafting.
- Involved in resolving field concerns and failures related to the product.

Project: Blazo Truck(HCV) & Furio(ICV).

Roles and responsibilities:

- Design and development of **HCV & ICV BIW** driver and Co-driver door assembly.
- Design and development of HCV & ICV quarter window
- Working on **CATIA Functional Tolerance** and **3D Annotations** of door components.
- Hands on experience in handling **BOM** and releasing **EN (Engineering Notice)** for the part production.
- Benchmarking of competitor vehicle & **IMCR** activity for cost & weight reduction.

Build in concern resolve:

- Maintaining **Gaps & Flushness** in Closure & Mechanism components.
- Resolving Driver door inner trim concern in Proto Shop.
- Fitment trial of roof hatch in Proto Shop.
- Resolving all problems occur while fitment in Proto Shop.

Design Engineer

Abhikalp Design Studio.

Jan 2018 – May 2018

- Work as an automotive design engineer on CATIA V5, CREO & PRO-E.
- Design & Development of bus body structure (BIW) for different MNCs like Eicher & BYD Goldstone.
- Design & Development of canopy of JCB and John Deere backhoe loader.
- Design & Development of dashboard of Goldstone mini bus.
- Modeling & Drafting of all components.
- Experience in surface modeling to create plastic components.
- Modeling of interior trim parts of buses.

EDUCATION

Medicaps Institute of Technology & Management, Indore, MP

Bachelor of Engineering (B.E) in Mechanical Engineering, May 2017

St. Joseph's Co-Ed School, Bhopal, MP

Higher Secondary Education, Apr 2013

St. Joseph's Co-Ed School, Bhopal, MP

Senior Secondary Education, Apr 2011

ADDITIONAL SKILLS

- Proficient in Microsoft Office, Microsoft Excel & Microsoft Powerpoint.
- Good Communication skills.
- Knowledge of ANSYS workbench 15.

DECLARATION

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Pune

Abhishar Gupta