



Resource CODE: WB/CAD/3079/NAKUL R

Educational Qualification:

- Bachelor of Engineering in Mechanical Engineering (4 years Program)

Total Experience:

- Fresher

Domain:

- White Goods

Software skills:

- CREO
- ANSYS
- SOLIDWORKS

Skill Set:

- Worked as a Product design engineer in die casting for HMI Control Panel.
- Modeling, Assembly & detailing of components using Creo.
- Applying GD&T to manufacturing drawings according to ASME 14.5 Standards
- Worked as CAD Modeler for Electrical terminal connector in sheet metal according to standards.
- Creating and converting 2D detail drawings in 3D using Pro/E.

Key Highlights:

- Knowledge of Types of Welding and its applications.
- Knowledge of ASME Y14.5M 1994 (GD&T) and ASME 14.8-2009 standards for casting and forging.

- Good knowledge of GD&T basics and applications.
- Good knowledge of Casting Process.

Projects Executed:

Project-1

DESIGN, MODELING, AND ANALYSIS OF THE BICYCLE FRAME

- Performed Structural Analysis (Design calculations, 3D modeling, and Finite Element Analysis).
- Applied the Truss concept in the main body frame.
- Software used - **SolidWorks, Ansys Workbench**

MECHANICAL DESIGN INTERNSHIP

- Studied various gears.
- Created a 3D Model of gears as per calculations and specifications
- Software used - **SolidWorks**