



PROFILE SUMMARY

BIW design engineer planning to learn fundamental concept from the development of farm tractors. A strong understanding of plastics from design of injection molding machinery. Parametric modelling experience in CAD tools-DS CATIA & PTC CREO. Structural non-linear analysis of casting component –Ansys, Creo simulate.

EXPERIENCE (3 years)

BIW design engineer

Tube Investments of India.
Dec'22-till date

Class A surface concept modelling of fender component-2WD/4WD with respect to CMVR standards.

Development of welding template/fixture for dashboard, bonnet & fender using Tab-tongues concept for rapid prototyping of 27 HP all-purpose tractor compliant with Chassis.

B.E. Apprenticeship

Shibaura Machines India/L&T Demag
Oct'21-Nov'22

Designing a casting component in a NPD project for the multi-series of plastic injection molding machinery-multi-colour seals & O-rings.

Trained in creating arts/assemblies & industrial drawings in ASME Y 14.5:2018 standards with the application of GD&T principles. Technical- GA layout preparation, machine safety, instruction manuals & labels. Gained fundamental knowledge in pipe routing in Creo piping.

Supported in design validation of fixed platen by reducing localized stress formation with utilizing stress concentration flow methods, development of an improved tie bar & tie bar nut thread.

CAD Trainer

CADDAM Technologies
Aug'20- Aug'21

Involved in Individual student design projects, technical software support for effective use of CAD tools for 3D modeling, assembly & drawing with AutoCAD, Creo & Solid works.

EDUCATION

- 2020 B.E (MECHANICAL ENGINEERING) - 79%
VINAYAKA MISSIONS UNIVERSITY (VMU) - AVIT
Thiruporur, Chennai.
- 2016 GRADE 12 - State board – 70%
ZION MHSS, Selaiyur, Chennai.
- 2014 GRADE 10 - CBSE - 74%
ALWIN MEMORIAL PUBLIC SCHOOL
Selaiyur, Chennai.

Skill-Level

DS CATIA V5 3/5



PTC CREO 4/5



Ansys 3/5



AD AutoCAD/Brics Cad 3/5



PTC Windchill 3/5



COURSES & SKILLS

5-Day Training on BIW Design – Param CAD Technologies

- Understanding of Body-in-white with Vehicle cabin and its components.
- Vehicle development process with study of different testing stages for validation.
- Brief of processes involved in manufacturing of sheet metal.
- Parametric modelling & grouping in surface modelling with CATIA software.
- Proper methodology in filleting the 3D surfaces.

Post graduate program in Hybrid electric Vehicle

Automotive plastic design using CATIA V5

- Design of Door trim with input data as Master-sections.
- Overview of Injection molding & its nomenclature.
- Generative shape design/ Generative Sheet metal Design/ Boolean operations
- Plastic features-2 way /4 way locators, Ribs, Screw boss, Dog house.

Basics of Siemens Team center

Geometric Dimensioning & Tolerancing

CADD Training program: MasterCAM & Edgecam

Master-Diploma in Mechanical CAD – CADD SCHOOL

AutoCAD, Solid works & Creo.

- Project: Gland & Stuffing expansion box: expansion joint.
- Project: 2-Cylinder vertical steam engine: marine horizontal steam engine monitor type.
- Essential commands & Advanced features.
- Part/Assembly/Drawing workbench & interferences.

INTERSHIPS

GESTAMP PVT LTD

UCAL FUEL SYSTEM LTD

CHENNAI PORT TRUST & INFAC PVT LTD