

P.SHANMUGASUNDARAM

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OBJECTIVE

To obtain a position that utilize full extent of my capabilities, offering responsibilities, growth and challenge in the field of mechanical engineering especially in Design & development for taking advantage of my experience and knowledge. Best Suited for a challenging position in CAD/CAM, Product design & development; to learn, contribute and grow along with the company's vision

ACADEMICS

Diploma in Mechanical Engineering

Sree Narayana Guru Institute of Technology, Madukkarai, Coimbatore, Tamil Nadu, India

April 1998

WORK EXPERIENCES

Shanthi Gears Ltd, Coimbatore

With headquarters at Coimbatore, South India, they provide wide range of power transmission products which includes gears, gear boxes, geared motors and gear assemblies both standard and custom-made.

Since March 1999 to till date

Senior Engineer, Design

JOB RESPONSIBILITIES

- Creating design layouts & models for tailor made gear boxes.
- Reverse engineering of Wind mill gear box spares.
- Reverse engineering of Gear box spares.
- Modeling of gear boxes and spares in SolidWorks.
- Handling Complex assemblies and create 2d Drawings in compliance with Shanthi Gears Engineering standard best practices.
- Strength rating of the gears based on DIN 3990 (Software: Kiss soft).
- Making gear teeth calculations for analyzing the suitable material based on customer requirement.
- Selection of gear boxes for various customer's applications.

- BOM finalization.
- Working in ERP (Enterprise Resource Planning) environment - Oracle 12i applications.
- Site visit made to various customer places for taking measurements from the existing gear boxes and spares.
- Analyzing the Design & Manufacturing problems, providing solutions for the same.
- Review of manufacturing and assembly drawings.
- Engineering change control – Maintaining proper lifecycle of products.
- Project coordination with various departments and Manufacturing personnel for developing custom made gear boxes .

Technical Skills

- Sound knowledge in SolidWorks in Part modeling, Assembly modeling, drafting
- Sound knowledge in design and development of various types of Gears & Gear boxes
- Experience in GD&T, tolerance stack ups & drawing standards

Management Skills

- Effective team player with strong communication and interpersonal skills.
- Proven initiative and ability to work with minimal supervision and good self-starter.
- Good leadership, creative & multitasking capabilities

Software Skills

- ❖ **CAD Packages : Solid Works & Auto Cad**
- ❖ **ERP Software : Oracle**

Personal Profile

Date of birth	: 02.04.1979
Gender	: Male
Nationality	: Indian
Marital Status	: Married
Languages Known	: Tamil & English

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