

# Abdul Hakkeem

Mechanical Design Lead Engineer with 8.5 years experience, Highly Analytical, Performance Driven, Superior Problem Solver with effective communication skills and time management abilities.

No.7,Door No. 6/57,Meigai  
vinayagar koil street, Sithalapakkam,  
Chennai-600131.

[hakkeem471@gmail.com](mailto:hakkeem471@gmail.com)

**Mob No : +91-9597129913**

## EXPERIENCE

### **L&T Technology Services, Chennai — *Mech Design Engineer – Vestas***

June 2022 – Present

- Working in the New Product Development Team for Concept generation and Development of tools used for Transport, Construction and Maintenance (TCM) of Powertrain(PTR) system of Vestas Wind turbines for different platforms.
- Carried out detailed mechanical design work including Parametric 3D model generation,Assembly Modeling,Sheet Metal Modeling, Design Verification Testing with GD&T and Tolerance Stack up analysis.
- Fabrication drawings creation for all the models with details including Welding details, Surface finishing details, BOM Creation.
- Organizing DFMEA and PFMEA meetings along with Design Risk assessments (DRA) and Process Risk Assessments (PRA).
- Creating Storyboards for explaining the operation of the tool and service Work Instructions (SWI) for service along with Tech Doc team.
- Familiar with ECM Process followed in vestas.
- Creating NPR Request, communication with standardization team, Master Data validation team.
- Releasing of drawings, CAD Models and Service documents in Windchill PDMLink.
- Good system understanding of Wind turbines.
- Knowledge of SAP Material Master Module(MM Creation,Change Material,Material BOM Creation,Material BOM Change).

### **Tata Consultancy Services, Chennai — *Mech. Design Engineer- GE***

July 2016 – June 2022

- Worked in the New Product Development Team for Concept generation and Development of Special Mechanical Tools used for Assembling,Disassembling and Maintenance of GE Gas turbines.
- Carried out detailed mechanical design work including Parametric 3D model generation,Assembly Modeling,Sheet Metal Modeling, Design Verification Testing with GD&T and Tolerance Stack up analysis.
- Creation of drawings such as 2D fabrication drawing,PMI Drawing,Assembly & Arrangement Drawing,Weight & CG drawing,Shipping drawing & Drawing Specifications.
- Sound Knowledge and Hands-on experience in CAD tools - Creo, Solid works & knowledge on PDM (Enovia).
- Designing SS, FRP, Delrin and Plastic Components for Gas Turbine.
- Releasing parts using Engineering Change Requests (ECR) and Engineering Change Notices (ECN, ECO).
- Communication with Vendors,Customers and Suppliers to ensure the Design Feasibility.

## SKILLS

Catia V5,

Creo 9.0 ,

Unigraphics NX 12.0,

GD & T,

Tolerance & Stackup Analysis,

Enovia,

Windchill,

Teamcenter,

DFMA,

DFMEA,

PFMEA

## LANGUAGES

Tamil

- Mother Tongue

English

- Very Fluent

- Creating Piping & Instrumentation Diagrams(P&ID) and Process Flow Diagrams(PFD) for water treatment systems.
- Creation of 40' and 20' Mobile Containerized skids with a single system RO,EDI,UF,MBR,DAF,GTM or a combination of two systems inside such as RO+ED.
- Routing Interconnection pipings as per the PID include Selection of Pipe and Fitting material as per the piping spec and Selection also Includes selection of Body Material,Disc Material,Seal Material of Valves
- Creation of SS and FRP Tanks with calculation such as Volume Calculations.
- Creating Frame with structural steels for supporting filters, pipes, instruments,equipments, actuators,VFD's,Panels and Gratings.
- Modeling,Detailing and Creating Fabrication Drawings for Frames, Plumbs, Spools, Containers, Tanks and Platforms.
- Positioning of Electrical Panels such as control panel, power panel. And instruments and equipment.
- Cable tray and Conduit drawing preparation.

## EDUCATION

**Government College of Technology, Coimbatore — *BE in Mechanical***

August 2012 - April 2016

CGPA - 7.6.