

Versatile, high-energy professional, offering dynamic career in Production Management, Design Engineering and New Product Development; scaling new heights of success with hard work & dedication and leaving a mark of excellence on each step.

PROFILE SUMMARY

- **Creative & results-driven leader**, with extensive experience in managing cross-functional delivery in a multi-site global environment with **more than 8 years** of career success in developing & executing operational strategies to accomplish top & bottom-line profitability
- Expertise in preparing process-engineering drawings, mechanical drawings, layout drawings & detailing of equipment after gathering product specifications
- Skilled in implementing innovative techniques for continuous improvement to improve efficiency and reduce human errors
- Competent in gathering product specifications and designing components & structural designs using the state-of-the-art structural design software like CAD (Autocad, CATIA)
- Hands-on experience with **TEAMCENTRE Power PLM by SIEMENS, AutoCAD, CATIA, and ANSYS.**
- Skilled in managing overall operations with a view to ensure timely accomplishment of production targets within the time and cost parameters; skills in resolving problems related to inventory and establishing balance between vendors & customers

CORE COMPETENCIES

Manufacturing Operations
Tool Making Assemblies
Design Analysis
Cost Optimization

Design Engineering
3D/CAD Modelling
Project Management
Waste / Losses Elimination

Design Validation & Review
Product Part Modelling & Assembly
Production Planning & Support
Team Building & Leadership

WORK EXPERIENCE

November 2022 with GE Power on Deputation Basis through MAC Consultancy, Vadodara as Manufacturing Tooling Engineer to till date.

Key Result Areas:

Tooling Development for CASING [Cover Part Structure for Rotor in Steam Power Plant] Machining:

- Classifications of various cutting tools based on their application and function.
- Building tool assemblies from individual tool components as per machining component requirements using CATIA assembly module.
- Research and development of new tools or modify existing tooling to improve the manufacturing process from quantity to quality and while considering facility to safety.
- Assist the NC Programmer and provide a detailed Tool-List project wise that includes CATIA Modeling & Assemblies of different Tools after gathering information from project drawings by coordinating with various vendors.
- Verifying tool components in Zoller to address issues in model and implement corrections through vendors.
- Proper implementation of physical Tool Assemblies as per operational plan with trials to improve tool life/surface finish/reduce tool consumptions/breakages.

Oct'18-Mar'20 with Wadiwalia Engineering Works, Vadodara as Production Engineer

Key Result Areas:

New Product Design and Development:

- Steered the design & development projects for new product development to match manufacturing facility & deliver products as per planned cost, quality, productivity & SOP requirements.
- Coordinated for the entire development activities including requirement analysis, planning, finalization of specifications and prototype development with product validation.
- Analyzed and gathered the technical requirements & specifications and recommended design modifications based on client requirements
- Prepared BOM and coordinated for the selection of suitable materials for various components to meet design reliability and quality goals
- Administered:
 - Design of Machine Fixtures for Aluminum and Titanium Machine Parts
 - Design of different Clamping Fixtures and their assemblies

Production Planning & Control

- Administered the entire gamut of Operations & Production Management as well as ensured smooth execution of plant operations.
- Monitored the overall process, resolved problems as well as technical issues and ensured product quality improvement by using various initiatives.
- Worked in coordination with clients, contractors, vendors & project consultants for executing projects, plant start-up and commissioning operations.

Oct'17-Oct'18 with GE POWER (formerly known as Alstom Bharat Forge Power Ltd.) through MAC Consultancy as Tooling Engineer in MMI Department at Production Centre

Key Result Areas:

- Designed CATIA TOOL CATALOGUE in CATIA INTERFACE to support CAM interface.
- Maintained MOQ by using tool repair and its service.
- Worked on SAP (On SRN) using different modules of ERP.
- Prepared tool list operation-wise after getting inputs as per Process Engineer for NC Programmer.
- Administered:
 - Rotor/Casing Fixture Design for its proper clamping in Catia Interface
 - Insertion of Tool Technological Data in CATIA Script & Sanad Tool Catalogue for NC Programmer
 - Tool Procurement with its maintenance and development for Casing Machining

PREVIOUS EXPERIENCE

Jun'17-Oct'17 with LJ Group of Institutions, Sarkhez, Sanad Cross Road, Ahmedabad as Lecturer of CAMD.

Jul'16-Dec'16 with Alstom Bharat Forge Power Ltd, as Design Engineer at MRL Support Systems in MMI Department through CADMAXX Solutions, Bengaluru

Key Result Areas:

- Making different tool components and their assemblies in TEAMCENTRE POWER PLM for CAM interface and mapping them in their specified class.
- Modifying the assembly models as per requirement for desired machining operations.
- Inserting geometrical data, master data and tool technological data using CATIA catalogue.

Sep'15-Apr'16 with Sun CAD (Training & Designers) as Design Engineer.

Key Result Areas:

- Provided industrial training of AutoCAD and CATIA at different small scale industries.
- Operated plastic RPT and designed different models by converting CAT file into STP file.
- Performed reverse engineering with the use of latest state of art 3D printers/scanners.

Mar'13-Aug'15 with Indo German Tool Room, Ahmedabad as Graduate Engineer Trainee at Training & Production Centre

Key Result Areas:

- Conducted Lectures of Tool Design especially in area of Jigs & Fixtures, Basics of Press Tool & Plastic Mould Design, CAD-CAM-CAE Products like AutoCAD, NX CAD-CAM, CATIA, ANSYS etc.
- Operated Conventional Lathe Machines, Milling Machines and Drilling Machines at Workshop Centre.
- Designed course material for short term & medium term courses like PDCC, CCTT, CMT etc., and organized industrial tours and seminars for diploma batches.
- Assisted in assembly section for proper assembly of Moulds, operated EDM Wire Cut and Spark Erosion machines at production center.

EDUCATION

- **Post Graduate Diploma in Tool Design & CAD/CAM** from **Indo German Tool Room**, Ahmedabad, Gujarat in 2013 with Distinction
- **B.Tech in Mechanical Engineering** from **United College of Engineering & Research**, Allahabad, Uttar Pradesh, India in 2010 with 62.80%

TRAINING

Organization: Diesel Locomotive Works, Varanasi

Role: Worked for 4 weeks in HMS, LMS, SMS, CRP, HWS, SAS, ET and TTC Shops

EXTRACURRICULAR ACTIVITIES

- Visited **Industrial Tour in Reliance Industries, ADANI Mundra Port, BPCL, FERROMATIC MILACRON Ltd., Jyoti CNC Automation Ltd., AMW Ltd.** Etc.
- Attended:
 - Seminar on **Industrial Robots by Fanuc India Ltd.**
 - **ENGIMACH 2011, 2013 at Ahmedabad**, Gandhinagar in December 2015
 - **8Th DIE & MOULD INTERNATIONAL EXHIBITION**-2012 at Mumbai
 - **International PLAST INDIA Exhibition** at Gandhinagar in February 2015
 - **ENGIMACH 2017, 2018** at Gandhinagar

PERSONAL DETAILS

Date of Birth: 20th October 1987 | **Languages Known:** English, Hindi and Gujarati (Beginner) | **Address:** MIG 97, RAPTI NAGAR COLONY, PHASE-1, GORAKHPUR, Uttar Pradesh-273003 (India)