

CAREER OBJECTIVE

To secure a position that offers me an opportunity to utilize my skills, knowledge and abilities in technical industry. To acquire knowledge about ongoing innovations and work on them and in the process evolve as a person. Work in a challenging and learning environment.

EDUCATION

M.Tech-Production Engineering

Veermata Jijabai Technological Institute, Matunga,
Mumbai

2017 - 2019 8.6 CGPA

B.E-Mechanical Engineering

AISSMS COE, Pune

2013 – 2017 69.87 %

HSC

Warana Vidyaniketan

2013 76.17 %

10 th CBSE

Sanjeevan Vidyalaya

2011 93.40 %

PREVIOUS EMPLOYEMENT

- Organization - Arc engineering, Pune from January 2021.
Designation - Junior Planning Engineer
❖ Duties and Responsibilities
 - Production Planning and Control
 - Quotation and Costing
 - Bill of Material
 - Material Requirement Plan
 - Interpretation and Analysis of Drawings
 - Inventory Management
 - Quality Inspection
 - Customer Enquiries and Queries
 - 5S and SIX SIGMA
- Organization - Rothe Erde India Pvt Ltd, Nashik from July 2021.
Designation - GET, Production Dept.
❖ Duties and Responsibilities
 - Daily Production Management
 - Monitoring of Machines
 - Supervision of Surface Treatment Dept.
 - 6S and SIX SIGMA
 - Application of MES software
 - Corrosion Protocol
 - Cause and Effect Diagram
 - KAIZEN
 - Kanban Practice
 - Update Daily Work Management
 - Communication with the Operators about the Process Requirements.

MS Power point

MS Excel

MS Word

SOFTWARE SKILLS

SAP

AUTOCAD

PTC CREO

ANSYS

3. JINDAL SAW LTD

Organization - PBO Plus Consulting Services Pvt Ltd from May 2022.

Designation – Business Analyst

Dept – Process and Operations

Client Location - Project at Jindal Saw Ltd, Seamless Pipe Division, Malegaon-Sinnar, Nashik.

❖ Duties and Responsibilities

- To improve the Overall Equipment Efficiency (OEE) of the plant.
- Cycle Time study for 7" and 16" route along with API division using MOST Technique.
- 3T SOP preparation, implementation for Sample Inspection Process, Rotary Elongator Mill (REM) plug change and Mandrel Bar Heating at Premium Quality Finish (PQF).
- Process tracking and preparation of Gantt chart of the processes.
- Identify the decision-making parameters.
- Eliminate the NVAs from process by Kaizen.
- DMAIC implementation in Sample Inspection
- SMED application at REM plug change activity.
- Daily Trend Analysis of SAP data.

Organization – Jindal Saw Limited, Seamless Pipe Division, Malegaon-Sinnar, Nashik from Nov 2022.

Designation – Senior Executive, Hot Mill Production.

Got absorbed in Jindal Saw Limited while working at PBO Plus Consulting Services Pvt Ltd.

❖ Duties and Responsibilities

- Analyzing Daily Tonnage Rejection for Cold Mill and its major reasons for rejection.
- Analyzing Daily Quality Rejection for Hot Mill, API and Cold Mill in percentage.
- Collecting rejected samples from Cold Mill and understanding the root causes for defects.
- Preparing Daily Hot Mill Production Report.
- Monitoring the 7" and 16" tool change process.
- PR and PO scorecard and taking the follow-up for PO items that have crossed the Delivery date.
- Maintain Cold Mill Rejection Data and its analysis.
- Understanding the Hot Mill setting parameters for 7" and 16" routes.

CURRENT EMPLOYEMENT

Organization –

Machines Information Technology Resources for Agriculture (MITRA), a subsidiary of Mahindra Company from May 2023.

Work Location – Mahindra Towers, Kandivali East, Mumbai

Designation – PMIS ASSOCIATE (Product Management Information System)

Department – Farm Machinery (FM)

Products -

1. Rice Transplanter (RTMP 461, LE4, RTMP 461-Yamaha Engine)
2. Potato Planter
3. SPCH Harvester
4. MAM Harvester

❖ Duties and Responsibilities

- Monthly Forecast planning & co-ordination with back-end team for availability of implements to Sales.
- Daily maintain Material and Dealer Master preparation on Advance Excel and prepare report.
- Planning for monthly rolling forecasting.
- Daily interaction with Sales, Billing, Sales & operations planning team, mfg. plant for availability of implements.
- Warranty Claim Punching in SAP for Pioneering.
- Preparation of compiled forecast for all states & sharing with S&OP.
- Customer Dealer Code Creation for onboarding Dealer in Pioneering Products and its upgradation in SAP.
- Provide Letter of Intent (LOI) to onboard dealers in Pioneering Products.
- Aligning for monthly revenue target with state heads.
- FIFO Analysis for Billing plants.
- Analysis for Forecast vs billing.
- Co-ordination for season planning with state head & S&OP.

TRAINING, DEVELOPMENT AND WORKSHOPS/COURSES

- **Completion of training and development programmes in TATA STEEL CAPABILITY PROGRAMME in following subjects –**

1. Advance Microsoft Excel
2. Industry 4.0
3. MS Office
4. Basic TQM
5. Basic Metallurgy
6. Bearings
7. Bulk Material Handling
8. Heat Treatment of Steel
9. Desulphurization
10. Fuel and Combustion
11. Industrial Water System
12. Primary Heat treatment
13. Fan and Blower
14. Measuring Instrument
15. Compressor

EXTRA CURRICULAR ACTIVITIES

- Played for Inter-College Carrom Team.
- Part of Inter-school Cricket Team and PCL.
- Participated in model making competition in AISSMS, MIT colleges at Pune

NATIONAL LEVEL CERTIFICATES

- AIR – 6 in UNITED NATIONS EXAMINATION in Secondary section.
- NCC A CERTIFICATE and attended NCC camp.
- Cleared NCC A Certificate exam with distinction.

SEMINARS

- Seminar in Technovanza orated by Mr. Sonam Wangchuk.
- Attended Seminar of NAAM Foundation by Mr. Nana Patekar.
- Short-Term Course on “Mechanical Behavior of Advanced Engineering Materials” organized by the Department of Metallurgical and Materials Engineering, MNIT Jaipur.

PERSONAL COMPETENCES

- Ability to rapidly build relationship and set up trust.
- Confident and Determined.
- Ability to cope up with different situations.
- Understanding the work nature and prioritizing the activities accordingly.

ONLINE WORKSHOPS BY SKYFI LABS

1. Introduction to Multi-Body Dynamics with ADAMS
2. Introduction to Vehicle Design in MATLAB
3. Introduction to Transportation Engineering
4. Introduction to FEM
5. Introduction to Robotics
6. Introduction to Additive Manufacturing.

INTEREST AND ACTIVITIES

- Cricket
- Carrom
- Badminton
- Music
- Football
- Trekking

PROJECTS

B.E PROJECT

Project on “**DESIGN AND MANUFACTURE OF FIXTURE TO ROTATE END CARRIAGE**” during Graduation.

- Internship and project at Electromech Material Handling Systems Private Limited, Mundhwa, Pune.
- **Aim of the project**
The aim of the project was to manufacture a fixture so that the rectangular job can be rotated 90 degree for CNC cutting operation at required position.

❖ Duties and Responsibilities

- Design of Fixture via AUTOCAD software.
- CNC Cutting operation on the steel material and optimum utilization of the material to reduce waste.
- Welding and Geometric Dimensioning of the nuts and rods.
- Selection of rollers, studs and nozzle. Distance of nozzle for CNC cutting operation.
- Determine the materials required for Fixture, rollers, Bed and End Carriage.
- To reduce the weight of the fixture for easy handling and rotation of the Fixture via manual lever.
- Cost estimation of the project, ROI Calculation and savings of the project by studying the earlier approach and the current approach.
- Time study process to evaluate the cycle time and Method study to implement new changes to the process.
- Report Generation and documentation of the project.

M.TECH PROJECT

- "INSTALLATION AND COMMISSIONING OF 2000T MAXI FORGING PRESS" in the Forge Modernization Department 2.
- Internship and project at Bharat Forge Limited, Pune.
- **Aim of the project**
The aim of the project is to Install and Commission a 2000T Maxi forging press to produce Gear Precision Jobs to improve the productivity of these jobs.

❖ Duties and Responsibilities

- To produce gear precision jobs and improve the productivity.
- Design of mechanical components with the help of software's like AUTOCAD, CREO, PROE.
- Geometric dimensioning, checking tolerances and Validation of system design.
- Generation and project documents, project reports and understanding Engineering diagrams.
- Quality Inspection and Testing, Material selection.

- Use of MS Office tools like MS Excel, MS Word, Paint and PowerPoint.
- Engineering calculations of the components via the Reverse Engineering concept.
- Drafting and Verification of the system process.
- Sub-assembly of the components and press.
- Meeting with the Suppliers and Customers. select and order components and Purchase Order.
- Manage inventory and tools, look after the safety stock.
- Trials after project completion to run the press. Regular and periodic maintenance of the press.
- Calculations of the components like Clutch, Brake, Connecting Rod, Press Tonnage, shaft, Hydraulic components like Lubrication lines, Accumulator.

ONLINE RESEARCH INTERNSHIP

PRODUCT DEVELOPMENT INTERNSHIP

- Online Research Internship at Simulation Lab Pvt. Ltd. (Scientific Research and Development Centre), Pune for a duration of 2 months.
- Project on “**MULTI-FEATURE ON WING TO ENHANCE AERODYNAMIC EFFICIENCY**” to improve the performance of the wing.
- **Designation**
CAE Engineer in Product Development Centre of Simulation Lab Pvt. Ltd.
- **Aim of the Project**
The aim of the Project is to improve the Aerodynamic Efficiency by adding a sphere as a feature below the wing feature. This feature tends to increase the Lift Force and reduce the Drag Force of the wing.
- **Software used**

ANSYS WORKBENCH FLUENT 2020 R2

❖ Duties and Responsibilities

- **Prototype Design**
Selection of Aero foil shape for the test, which is NACA A2412, suitable for sub-sonic aircraft. Sub-sonic Analysis of the wing by selecting air as the working medium. Alteration in design from sphere to tapered sphere to increase the Local High Pressure Region.
- **Analysis Parameter**
Analysis of the behavior of the wing with multi feature based on concept validation.
Input Parameters - Angle of Attack and Velocity of Air.
Output Parameters - Coefficient of Lift, Coefficient of Drag, Lift Force, Drag Force.
- **Application Domain**
Aeronautic Industries - Sub-sonic planes and drones.

- Validation
Comparison of Multi Feature Wing with identical simple wing without feature by Pressure Contour and Velocity Contour by application of various combinations of Velocity of air and Angle of Attack of the Wing.

Technical Domain

Wing, Computational Fluid Dynamics (CFD), Multi-Feature Wing, aerodynamic Efficiency of the Wing.

- Results
To select the best model and worst model from the various prototypes that fits the conditions. Study the graphs and find out the optimal criteria to fit the models.

MARKET RESEARCH AND VISUALIZATION INTERNSHIP / LIVE PROJECT

- Research Trainee for the Internship / Live Project with MedTourEasy, based at New Delhi. Training period for a duration of 4 weeks.
- Project on “**MARKET RESEARCH AND VISUALIZATION**” at MTE LMS.
- The following modules were completed during the Internship Course along with the Completion Certificates via Coursera Online Project Network.
 1. Using Google Forms to Analyze User Research Data.
 2. Create Infographics using Piktochart.
 3. Create Charts and Dashboard using Google Sheets.
 4. Draw Insights with Crosstabs Reports in Google Sheets.
 5. Using Descriptive Statistics to Analyze Data in R.
 6. Building Candlestick Charts with Tableau.
 7. Business Strategy: Business Model Canvas Analysis with Miro.
 8. Analysis of Variance with ANOVA in Google Sheets.
 9. Getting Started with Power BI Desktop.
 10. Analyzing Company's Performance using Ratios.
 11. Use Canva to Create an Interactive Mind Map.
 12. Collect and Share Employee Feedback with Officevibe.

❖ **Duties and Responsibilities**

- The Analytical, Organizational and Negotiation Skills that are required for an industry to upgrade post COVID-19 pandemic.
- Research capabilities to investigate the Market Research and to develop a plan to overcome the impact by COVID-19.
- Reports pertaining to Primary and Secondary Market Research Methodologies of Medical Tourism in India.
- Market Analysis Report involving the –
 1. Overview of Industry
 2. Target Market
 3. Analysis of Competition
 4. Analysis of Financial Statements
- Data Visualization and to Analyze the current situation and the future implications of COVID-19 in the International Medical Travel.

- Market Recovery Strategies for various sectors to recover from the COVID-19 pandemic and the time estimated to achieve the market goals and Revenue regeneration as it would under the normal circumstances.
- Scope and Opportunities in the Medical Tourism Industry in India post the COVID-19 situation.

CERTIFIED WORKSHOP BY SKILL-LYNC

1. Fundamentals on CFD
2. Computational Fluid Dynamics
3. Practical Approach Towards Structural Analysis using CAE
4. Introduction to Internet of Things
5. Engineering Calculations using Mathcad
6. Introduction to GD & T
7. FEA : Modern Product Simulation Approaches
8. SolidWorks Customization
9. Knowledge-Based Engineering using CATIA V5
10. Programming in Python
11. Random Forest
12. Introduction to Open Foam Development – CFD
13. Introduction to ANSYS Fluent
14. Introduction to Vehicle Dynamics
15. Introduction to Statics for Mechanical Engineers
16. Airbag Folding and Simulation
17. Bootcamp on Electric Vehicles
18. Bootcamp on Electric Vehicle Simulations & Component Sizing
19. Electromagnetic Simulations
20. Bootcamp on Electric Magnetic Simulations using EM - Works
21. Integrated Electro-Thermal Modelling of Battery Packs for Sizing and Life Estimation
22. Electric Vehicles
23. Exploring the Niche on Automotive NVH
24. Turbulence and CFD
25. Dimensional Engineering in Manufacturing
26. Acoustics the Next Big Challenge in Automotive and Aerospace
27. FVM Coding for CFD using C++

INDUSTRY SCENARIO AFTER COVID-19 BY GURU GOBIND SINGH COLLEGE OF ENGINEERING AND RESEARCH CENTRE

1. Post COVID Situation and Career Opportunities by Dr. N. P. Gulhane, VJTI MUMBAI.
2. Employment Opportunities After COVID-19 by Mr. Ajay Vidhyabhanu, Jindal Saw Ltd, Nashik.
3. Industry Scenario after COVID-19 by Mr. Perminder Singh, GGSF, Nashik.
4. Industry 4.0 and Job Opportunities by Dr. N. P. Gulhane, VJTI MUMBAI.

SUCCESSFUL CERTIFICATE OF COURSE COMPLETION BY EDUCBA

1. SPSS GUI AND APPLICATIONS
2. PIG – BEGINNERS

LINKEDIN CERTIFICATES

1. 15 Secrets Successful People Know about Time Management
2. Advanced Primavera P6
3. Artificial Intelligence Tools and Concepts
4. Being Positive at Work
5. Building Self Confidence
6. Business Analytics Foundations Descriptive Exploratory and Explanatory Analytics
7. Decision Making Strategies
8. Digital Technologies Case Studies : AI, IOT, Robotics, Blockchain
9. Driving Measurable, Sustainable Change
10. Embracing Change 2014
11. Engineering Drawings for Manufacturing
12. Excel : Value Stream Mapping
13. Financial Analysis : Introduction to Business Performance Analysis
14. G Code Programming for CNC Foundations
15. Improving Your Listening Skills
16. In the Shop Manufacturing
17. Industrial Design Foundations
18. Insights on Software Quality Engineering
19. Introduction to Composite Manufacturing
20. Introduction to Geometric Dimensioning and Tolerancing
21. Introduction to LEED Certification
22. Introduction to Mill and Lathe Operation
23. Inventory Management Foundations
24. Job Skills : Supply Chain and Operations
25. Ken Blanchard on Servant Leadership
26. Lean Six Sigma Foundations
27. Lean Six Sigma : Analyze, Improve, and Control Tools
28. Lean Six Sigma : Define and Measure Tools
29. Learn Industrial Automation
30. Learning Excel What If Analysis
31. Learning Mastercam
32. Learning Minitab
33. Managing Logistics
34. Managing Your Time
35. Operational Excellence Foundations
36. PLC Program Flow and Control Instructions
37. Primavera P6 Essential Training
38. Problem Solving Techniques
39. Product Management : Building a Product Roadmap
40. Programming Foundations Software Testing QA
41. Project Management Foundations Procurement
42. Project Management Foundations : Requirements
43. Quality Management Foundations
44. Rapid Prototyping for Product Design
45. Reverse Engineering Foundations : Product Design
46. Review and Manage the SAP MRP List
47. SAP ERP Essential Training
48. Siemens NX Design for Injection Molding
49. Six Sigma Foundations
50. Six Sigma : Black Belt
51. Six Sigma : Green Belt
52. SOLIDWORKS Advanced Tools
53. Strategic Thinking
54. Test Automation Foundations

55. The Eight Essential People Skills for Project Management
56. What Are Your Blind Spots

SHORT COURSES COMPLETION AND COURSE CERTIFICATION BY ELEARNING COLLEGE

5. Project Management
6. Risk Management
7. Supply Chain Management
8. Report Writing Stages
9. Leadership and Management
10. Warehousing and Material Handling
11. Management
12. Facilities Management
13. Administrative Skills
14. Fraud Prevention
15. COVID – 19
16. Key Financial Reports

TRAINING AND SUCCESSFUL COURSE COMPLETION ALONG WITH CERTIFICATION AT THE MASTER OF PROJECT ACADEMY

1. CAPM (Certified Associate in Project Management)
2. PMP (Project Management Professional)
3. PMI ACP (Agile Certified Practitioner)
4. Six Sigma
5. Microsoft Project
6. PRINCE2 (Projects In Controlled Environments)
7. Scrum Master
8. Scrum Product Owner
9. Agile Scrum
10. Microsoft Excel
11. ITSM (Information Technology Service Management)
12. CCNA (Cisco Certified Network Associate)
13. Ethical Hacker
14. CISSP (Certified Information Systems Security Professional)
15. CISA (Certified Information Systems Auditor)

SIX SIGMA WHITE BELT CERTIFICATION

1. Six Sigma White Belt Certification awarded by the Council for Six Sigma Certification and Aveta Business Institute.
2. Letter of Acknowledgement awarded on the Six Sigma White Belt Certification by the Council for Six Sigma Certification and Aveta Business Institute. The topics covered are –
 - a) Defining Six Sigma
 - b) Six Sigma Principles
 - c) Six Sigma History and application
 - d) Process Improvement and Quality Methods
 - e) When to use Six Sigma

✓ **DECLARATION**

I solemnly declare that the statement made by me in this resume is correct to the best of my knowledge and belief.

Date:

Place: Panchgani

Kale Shreyas Harish