



ARUN KUMAR Y.S.,

6th Cross Road, Dwaraka Nagar,
Banashankari, Bengaluru, Karnataka

Phone: (+91) 9043882363 / 8015882363

Email: arunsivaooty@gmail.com



SENIOR EXECUTIVE DESIGN & NEW PRODUCT DEVELOPMENT (NPD)

Summary

Respected Professional who leverages expertise in production, negotiation, supplier management and relationship building skills, to drive and deliver solid business results. Highly adopt with working with cross functional teams and key stakeholders to maximize business opportunities. Strong leadership skills, demonstrated success with managing initiatives of varying scope and sizes and working collaboratively for optimal results, in **Design and Product Lifecycle Management (PLM)**, with **5 Years and 2 Months of Experienced**.

Experiences

Senior Executive – Machine Designer

ETHEREAL MACHINES PRIVATE LIMITED

Feb 2019 – Till date

M/s. ETHEREAL Machines Private Limited – Conjunction between Additive and Subtractive manufacturing techniques.

ROLES:

- Design parts, components and assemblies to meet requirements of assigned projects.
 - Creates CAD Models, including part and assembly drawings, Bill of Materials (BOM's) to support Manufacturing, testing and assembly and support components to assist with assembly.
 - Works with senior and fellow engineers to develop alternatives and options for further development of projects and products.
 - Supports product sourcing, purchasing and selection as required by the design process.
 - Provides technical and engineering support for day-to-day processing, product development and process improvements.
 - Confirms system and product capabilities by designing feasibility and testing methods and properties.
 - Develops manufacturing processes by designing and modifying equipment
 - Prepares product reports by collecting, analysing and summarizing information and trends.
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Senior Executive – Design and New Product Development (NPD)

SREERAM ENGINEERING WORKS, COIMBATORE.

June 2017 – Jan 2019

M/s. SREERAM ENGG, – Tier 1 Supplier an ISO 9001:2008 Certified Company, is a Manufacturer of Precision Machined Components SG, Grey and Steel Castings and manufacturing of Flywheel sub-assemblies for various application which includes Flywheel, Housings, Pulleys, Hubs, Bearing Caps, Covers, Brackets and Joint Flange for **Ashok Leyland, MHI- VST Diesel Engine Private Limited, Vehicle Factory Jabalpur, Buhler India Private Limited.** Automotive, Process Industries and Ministry of Defence govt. of India..

ROLES:-

- Design and Development of CAD Models using SOLIDWORKS, PRO-E (CREO), CATIA, NX (Unigraphics) and AutoCAD.
- Creating and Verifying Final Product Drawing, Product Sequence Drawing, Tool Setting Drawing, Individual tool drawing, Process Flow diagram, Preparing Tool schedule, Fixture, Gauge, Pattern drawing for every product with detailed.
- Co-ordinate with Our Valuable Customers regarding Development Products.
- Co-ordinate with Product Management Team to resolve all issues and perform product testing on various process and prepare required Documents

- Manage and Maintain Projects Plan for Product Lifecycle Management (PLM) in Excel such as Pricing for individual product, including Tooling's (Fixtures, Gauges, and Patterns) and Documents (FMEA, PPAP, APQP, SPC, MSA) using MS Project and ERP Software for allocated tasks.
- Improve quality performance of suppliers by Conducting Workshops at Supplier Locations, Providing Technical Assistance in Developing a Quality System, and other technical supports
- Function as liaison between Purchasing, Engineering, Manufacturing and supplies to resolve Supplier Quality issues and to provide Technical Support.
- System Improvement Activity at all stages from Planning, Procurement, Receipt and Issue, ISO Quality system in Purchase Implementation, Monitoring Control.
- Procurement level increased from lakhs to lakhs to Full Fill the Customer Requirement, Inward premium cost controlled and maintain the company target level, Supplier's Minimum level Quality system improved based on Our Quality System ISO.
- Vendor Delivery Rating improved from % to % by existing supplier development new supplier solution, Supplier Rejection level improved from PPM to PPM.
- Overseeing the dispatch of repaired units, packing, and intimation of sale to customer, arrangement of dispatch and clearance of customer returnable challan's.
- Overseeing the transportation and guiding the activities related to the boarding and receipt or Dispatch of the repair units; appointing new transporters and vendors, sustaining the existing network and managing the supply chain, ensuring timely distribution of the goods, Gap analysis for existing projects.

Executive – Design and Product Development (REVERSE ENGG)

June 2014 – MAY 2017

ROLES:-

- Design and Development of 3D models and 2D models using SOLIDWORKS, CREO 3.0, CATIA AND AutoCAD 2016.
- Reverse Engineering – Design of Components with Pattern, Fixture, Jig and Gauges.
- Assigned with the responsibilities of creating the Dimensional Drawings, Main Assembly Drawing, Part Drawing and complete Bill of Materials
- Creation of CAD Models, Manufacturing drawing, Design Calculations, related design documents and Manufacturing documents such PPAP, APQP.
- Develop and review Design prototypes, perform test and Finalize Product Design to facilitate Mass Production, with required Documents and Tooling's.
- Prepare product design and test plans, review design and recommend adequate changes to the approved models before actual roll out of new products, with Quality Parameters.

TECHNICAL SKILLS

- Plan the work on the daily basis, working closely with the internal clients.
- Discuss the issues with the reporting manager immediately.
- Implement ideas that lead to process improvements such cost-time, service improvements.
- Learning and operating new systems and various processes.
- Improving job quality and speedy work process with Documentation.

AREAS OF EXPERIENCE

- Tool Room – Fixtures, Gauges (Receiver/Position), Jigs, Patterns
- Die Casting Aluminium (PDC, GDC)
- Casting - Cast Iron, Grey Iron
- Forging - Hot Forge , Cold Forge
- Valves

- Powder Coating (With Pre-treatment Process)
- Fabrication and Sheet Metal Fabrication
- Quality Assurance both ISO-Documents and Instruments
- PC-DMIS – CMM - Basic Programming Knowledge
- CNC – Turning and Milling - Basic programming Knowledge.
- Base Knowledge in ANSYS 19.2 Workbench, Solid works CAM, Fusion 360, Photoshop and CorelDRAW and Autodesk Inventor.
- Good Knowledge in Solid works, NX Unigraphics, AutoCAD, Creo, Catia designing Tools.

ADDITIONAL QUALIFICATION

- Non- Destructive testing (**NDT**) Level – II Authorized Inspector with Certified.
- Supply Chain Management (**SCM**) Authorized with Certified.
- ZERO DEFECT AND ZERO EFFECT (**ZED**)
- **SMART MANUFACTURING TECHNOLOGY**, Authorized with Certified.
- Good Knowledge in **SOLAR PV TECHNOLOGY**, Authorized with Certified.

PROFESSIONAL SKILL

- Excellent interpersonal and communication skills
- Organizational skills and customer service orientation.
- Flexibility in adapting to a new environment & learning things fast.
- Tolerant and flexible to different situations with Determination.

ACADEMICS:

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| <ul style="list-style-type: none"> • Bachelor of Engineering : Mechanical Engineering <p>Bannari Amman Institute of Technology, Sathyamangalam, Erode Dist., India
Anna University</p> | 2014 |
| <ul style="list-style-type: none"> • Higher Secondary School : Maths – Computer Science <p>C.S.I (CMM) Higher Secondary School, Ooty, The Nilgiris Dist., India.</p> | 2010 |
| <ul style="list-style-type: none"> • Secondary School : General <p>Rex Higher Secondary School, Ooty, The Nilgiris Dist., India.</p> | 2008 |

PERSONAL DETAILS:

Talking about my Personal details, we are in a Family of Four members includes me. My Father **Sivaraj.Y**, he is handling Electronics Business in Ooty and My Mother **Parvathi.K**, she is Housewife and My Younger Brother **Kiran Kumar.Y.S**, and he is Student. I was born to them on **30/July/1993**. Linguistic Proficiency – Ability to LSRW – Tamil, English, Ability to LS – Kannada and Ability to L - Hindi.

DECLARATION

I hereby declare that all the above information is true to the best of my knowledge and belief.

Date:

Signature

Place:

(Arun Kumar Y.S.)