

RAMKUMAR KALIYAMURTHY

MECHANICAL DESIGN ENGINEER

8+ Years Of Experience



PROFILE SUMMARY

Highly experienced in industrious design & development, manufacturing and commissioning of electrical equipment. It specialises in applying mechanical knowledge to create specifications, detailed and production plans and drawings, utilizing 2D & 3D modeling applications to visualize design specs. Skilled at implementing complex manufacturing strategies from the design phase to the point of being fully operational. Proven track record of knowing how to identify deficiencies and improvements to reduce costs and increase productivity.



PROFESSIONAL EXPERIENCE

MECHANICAL DESIGN ENGINEER

EVR ELECTRICALS PRIVATE LIMITED, (NOV 2013 TO MAY 2018 & DEC 2019 - PRESENT)

AMBATTUR INDUSTRIAL ESTATE, CHENNAI, TAMILNADU, INDIA.



Mfg. Of Power & Distribution Transformers - Design and Development team

- Power and distribution transformers up to 10MVA/33KV are designed, manufactured and commissioned. Material selection with grade specifications, as well as the sheet metal process and calculations.
- Responsible for creating fabrication drawings, GA, IE, and 3D assembly drawings/components for new equipment manufacturing and modification of existing equipment with the latest upgrades and specs.
- Design & Development of Mfg. drawings for TR. Tanks & Parts using software such as Autocad & Creo.
- E&M Calculations; Clamping Accessory Design; Pressurized Grooving Slots and Interlocking Jags; Core Supporting Rods, Flats, Holding Pads, and Cups; Preparation of BOM.
- Preparation of Core & Winding Assembly drawings, Supporting Stiffeners, Clearances of Pry. Cable Box, Sec. Bus Duct Epoxy Plot and Sensor Arrangements with wiring connections, foundation with yard fencing.
- Visual inspections are carried out for fab. tanks and include checking of clearances, welding and finishing.
- Knowledge of ASME/ISO standards for welding drawings and geometric dimensions and tolerances.

ASSISTANT SYSTEM ENGINEER

TATA CONSULTANCY SERVICES LIMITED (VENDOR) (JUN 2018 & NOV 2019)

SUNSEA E-SERVICES PRIVATE LIMITED, SHOLINGANALLUR, CHENNAI, TAMILNADU, INDIA.



Renault Nissan Project (Parts Catalogue and Service Manual Creation) - Drafting and Detailing team

- Engaged with Global After Sales team (GAS-2) taking care of vehicle parts catalogue/manual.
- Responsible for all engineering parts released and determining their effect on service.
- Creation and maintenance of a Global Spare Parts Database periodically for various models of Nissan cars through PLM and PDM.
- Resolved customer service engineering related queries in a timely fashion, leading to customer satisfaction rate.
- Modification of existing products, upgrades to manufacturing, and assembly drawings by using Autocad, Creo, Siemens PLM, Adobe Illustrator.



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Chennai, Tamilnadu, India



TECHNICAL EXPERTISE

- Skilled in design and detailing of Mfg. drgs.
- 3D General Arrangement & Assembly drgs
- Selection of sheet metal grades and fabs
- Quality assurance authority
- Expertise in troubleshooting
- Initiative to work independently
- Strategic & Creative problem solving
- Advanced critical thinking new ideas



UNIQUE EXPERTISE

- adaptability and flexibility
- Divergent thinking
- Mind mapping
- Responsibility
- Positive reinforcement
- Prioritizing and Planning
- Verbal Communications
- Teamwork



EDUCATION

Mechanical Engineering

Bachelors Of Engineering (Anna University)

ARS ENGINEERING COLLEGE

JUN 2009 - MAY 2013 - CHENNAI, IN



ACHIEVEMENTS AND AWARDS

- Design of Tow rope for main battle tank (Ministry of Defence)
Combat Vehicle Research & Development, Avadi.
- Mechanical design and fabrication of spl.Converter duty transformer with IEE (SS)grade Specifications,
Chennai International port,Chennai.
- (Best Performer Award) Autocad & Excel automations were created for the delivery of files to the client.
Tata consultancy services limited, Sholinganallur.
- (Quick learner Award) Understand the Client expectations and performed to do prototype with Mfg.
EVR Electricals private limited, Chennai.



CERTIFICATIONS AND PROFESSIONAL MEMBERSHIPS

- Certification Of Designing and Analysing in mechanical components for prototype.
Cadd Centre,T.nagar.
- Certification Of Advanced excel and macros
Excel Prodogy,Nungambakkam.
- Certification Of business communication skills in order to collaborate with project associates.
British Council,Annasalai.
- Membership for Scoiety Of Engineers Association.
SAE,Mylapore.



PROFESSIONAL SOFTWARES



- Autocad with macros.

Autolisp,macros,cr.layers,scaling,tolerance.



- Pro-E/Creo 2.0

Part ,T-D&B-U asmbly,sheetmetal,cast,welding.



- Solidworks professional

Sketches,assemblyies,detaling,basic simulation.



- Ansys Simulation

Structural,heat transfer analysis,non-linearities.



- Catia V6

Fundameltals,sketches,modeling,assembly.



- Siemens PLM Teamcenter

Part code,BOM,ECN,ECR,process.



- Graphic Designing Softwares

Vector graphics,digital frames,parts tracing.



- Microsoft Office Suite

Macros,basics VBA,shortcuts,LF.handle.



HOBBIES & INTEREST



model designing



Music Lisening



Book Reading



V&NV Cooking



Gardening & Farming



Image tracing



Body Building



Sports



Photography



Flying Kite



QUOTE

“It's not what you achieve, It's what you overcome.

That's what defines your career.- Cariton fisk”



CROSS - FUNCTIONAL EXPERTISE

- Co-ordinate to improve CFM & QCD.
- ISO Internal Auditor &document process.
- e-tender searcher and document creator.
- GSTR e-filling and submissions.
- Handling procurement activities in SAP.
- Product Data management activities.



VALIDATION EXPERTISE

- Update and Review SOP's.
- CSV validation plan for scope of work.
- Investigate deviations and execute CAPA's.
- Validate metal grades and finishings.
- Validate Process flow chart and documents.



RESEARCH& PLANNING EXPERTISE

- Searching information from many sources.
- Mastered prioritizing deadlines & tasks.
- Effective time management and producing
Quality work in a professional manner.



LANGUAGES

Tamil



English



Hindi



SOCIAL MEDIA RELATIONS



ramkumar-kaliyamurthy



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