

CURRICULUM VITAE

KARTHIKEYAN.B

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SUMMARY

Able to develop components and products from concept to finished product, strong planning skills with the ability to conceptualize and analyze complex designs.

Able to quickly grasp new technical information and communicate that information to others in an understandable manner. A conscientious team player with excellent problem solving and troubleshooting skills.

Total **12 years** of experienced in Plastic, Sheet metal, Casting, Rubber and Machined part design. Properties of various rubber compounds and plastic materials. Sheet Metal powder coating process & qualification.

Consistently demonstrate leadership skills, sound judgment, decision-making capability, initiative and resourcefulness in responding to job challenges.

CAREER OBJECTIVE

To work with progressive organization to become a Design head, in which I can contribute my technical skills, knowledge and experience to achieve company objectives.

EDUCATIONAL QUALIFICATION

2002 - 2005	B.E-Mechatronics, K.S.R.College Technology, Anna University, 78%
1999 - 2002	Diploma - Mechanical, Senkunthar Institute of Polytechnic, 92%
2007 - 2010	MBA in Operation Management, IGNOU-Delhi Grades 'B'

PROFESSIONAL EXPERIENCE

FEB-2017 to Present

1. Teslead Equipments Private Limited, Coimbatore
2. Viprah Technologies Limited, Coimbatore
3. Selvam Engineering works, Coimbatore

Position	Consulting Manager - Mechanical Design & Development
Team Size	1 - 5 Members
Products	Heavy structural installations and sheet metal enclosures. Valves and Testing fixtures. Air cylinders, Fabrications for Hydraulic lifts.
Responsibilities	Supporting all engineering design related activities. Preparation of 3D Modeling & 2D drawings. Support manufacturing facility creation and fixture designs for welding, assembly & testing. Conducting Kaizen events for 3P / VAVE / Design process.
Key Skills	Creo 2.0, DFMEA, DFMA, GD&T, Plastic, Sheet metal & Casting components design, KAIZEN, Benchmarking & VAVE.
Achievements	Design release accuracy improved from 92% to 98%. Lead time reduced for design release & fixture design.

PREVIOUS EMPLOYMENT:

SEP-2012 to FEB-2017

Gilbarco Veeder-Root India Private Ltd., Coimbatore

GVR is a subsidiary of the FORTIVE Corporation (Earlier Danaher), Fortune 200 and supplier of Fuel dispensers and Support services worldwide.

Position	Assistant Manager - Mechanical design and Certification.
Team Size	1 - 10 Members
Products	Fuel Dispenser System, Shear Valve, Nozzles, Solenoid Valve Assembly, Motor, Breakaways, Fuel Submersible Turbine pump (STP), Filters, Swivel Joints, Flame proof Junction box & Glands and Aluminum tube assemblies.
Customers	Domestic - IOCL, HPCL, BPCL and NOC- ESSAR. Export - TORA - Turkey, CATLOW, VR & GVR - USA.
Responsibilities	<p>Feasibility study of initial customer input (Tender Specification / PSR) & make report of the same along with Cross functional team (CFT).</p> <p>Involve in all Design and Development process to release a product with Safety, Quality, and Cost & Delivery.</p> <p>Support manufacturing facility creation, Process capability studies & fixture designs for assembly & testing.</p> <p>Done Engineering Change Management for release products.</p> <p>Conducting TYPE / ROUTINE test as per EN standards internal / external lab facilities for product certification.</p> <p>STP project lead to submit localization feasibility study report to Veeder Root, USA.</p> <p>Solenoid valve coil development and Certification.</p> <p>Support for ATEX Certification / Regulatory audits conducted by agencies for renewal of factory QAN, QAR, W&M, BIS and UL certifications.</p>
Key Skills	Creo 3.0, AutoCAD, PDM Link, Wind-chill, SAP, Benchmarking, DFMEA, DFMA, GD&T, Tolerance Stack-up, Design Calculations, Reverse Engineering, Plastic, Sheet metal, Casting, Rubber & Machined components design guidelines, KAIZEN, PSP-DIVE, VAVE, Leadership Essentials, Project Management & Innovation tool - TRIZ.
Achievements	Implemented GI frame assembly for Export Fuel dispensers.

Printer packaging design completed on time and achieved cost savings of **INR 350** from mechanical parts.

Localized **Shear Valve** assembly & achieved cost savings of **INR 900** / Valve.

Got **ATEX Approval** Certification for localized Nozzle and achieved savings of **INR 700/Nozzle**

Involved in VA/VE Project 100 & 85 to achieve cost target per DUO pump **INR 100000** from INR120000. Achieved on 2016.

Lead **parts group BOM Kaizen** for domestic orders with target of **Zero error** in BOM release & implemented on 2016.

Motor field failure analysis done & found root cause.

Got revised **ATEX Approval** certification for Export & Domestic Fuel dispensers from Intertek.

AUG-2010 to SEP-2012

Robert Bosch Engineering & Business solutions Ltd,CBE

RBEI is a 100% owned subsidiary of Robert Bosch GmbH, one of the world's leading global supplier of technology and services, offering end-to-end Engineering.

Position

Senior Engineer - Mechanical design.

Team Size

1 - 5 Members

Products

IR Spot Thermometer, Common Rail Fuel Injection system & Special Purpose Machine.

Customers

Bosch PT-MT, Germany; Bosch, Brazil; Bosch, Japan.

Responsibilities

Done Benchmarking of IR spot Thermometer competitor samples & report prepared.

Involved in Design and Development of IR Spot Thermometer.

Development of 3D model / 2D drawing creation.

Drawing quality checker for SPM drawings.

Key Skills

Pro/E Wildfire 5.0, Unigraphics (NX 5), Inventor, AutoCAD, PDM Link, Teamcenter, IQ-RM, DFMEA, DFMA, GD&T, Tolerance Stack-up and DOE.

Achievements

IR Spot Thermometer development completed **on time**. Drawings delivered with **Zero error**.

NOV-2007 to JUL-2010

PRICOL Limited, Coimbatore

Pricol is the major global manufacturer and supplier of automotive parts & automobile accessories to the leading OEMs.

Position

Senior Engineer - PDE Mechanical.

Team Size

1 - 5 Members

Products

Mechanical & Electronics Instrument Cluster (Speedometer).

Customers TVS, Bajaj Auto, Royal Enfield, Hero & Honda.

Responsibilities Feasibility study of initial customer input (PSR).
Involved in design and development of Instrument Clusters, Mechanical Speedo System, Fuel gauge, Voltmeter and Warning Indicators for 2 Wheelers as per ISO / TS16949 and APQP development process.
Teardown of Competitor samples study & report prepared.

Key Skills Pro/E Wildfire 2.0, AutoCAD, Windchill, Teardown, DFMEA, GD&T, Tolerance Stack-up, Design Calculations, Plastic, Sheet metal, Casting, Rubber & Machined components design guideline, Reliability testing, APQP and PPAP.

Achievements Resolved TVS Apache Tachometer pointer breakage and Splendor and TVS electric scooty Pointer flickering by done different trial analysis & found root cause.

APR-2006 to OCT-2007 **GTN EXPORTS Ltd.**, (Engineering Division), Coimbatore
GTN is an Industrial Valve, Actuator, Choke assembly and Adaptor Manufacturers.

Position CAD Engineer

Responsibilities Creation of 3D model & different stage of operation drawings

JUN-2005 to FEB-2006 **SPACE PRO Industry**, Coimbatore
SPI is a Printing machinery component manufacturer.

Position Design engineer / Quality Control Trainee.

Responsibilities Creation of different stage of operation drawings and QC.

CERTIFIED TRAINING PROGRAM

2014 Leadership Development - 2days training in Abba at Chennai
2015 FMEA - 2days training in ARAI at Pune
2016 Leadership Essentials - 3days training in GVR at Mumbai
2016 Hazardous Atmospheres and Protection Techniques in KLPL

PERSONAL INFORMATION

Father's Name : Balakrishnan C
Date of Birth : 18th April 1983
Passport Number : M6820609
Alternate E-Mail ID : karthimct1@yahoo.com

I hereby declare that the information furnished above is true to best of my knowledge.

Place : Coimbatore

Date : (B.Karthikeyan)