

CURRICULUM VITAE

G. ANANTA BABU

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143, Vasanta Street, G.G, Nagar,
Muggapair East,
Chennai-600069, Tamil nadu,
India.

Professional Summary:

- 17+ years B.tech., - mechanical engineering of experience in Design, development and project management.
- Design and development for products such as,
 - Service brake control valves such as,
Foot brake valve, relay valve, Quick release valve Palm couplings, Single check valve, Double check valve and Pressure reduction valve for heavy commercial vehicles.
 - Parking braking valve such as,
Graduated hand control valve, self-return graduated hand control valve for Heavy commercial vehicles.
 - Air brake compressor, 160 cc, 230 cc and 318 cc for Heavy commercial vehicles.
- Hands on experience in 3D cad model and 2D drawing using Creo-2.0, Auto CAD 2017 for commodities such as Castings (pressure die casting (PDC), Gravity die casting (GDC)), Forgings, Aluminum, Sheet metal, Plastics, Rubber, Spring and Standard part.
- Design to cost & Value Engineering – Value & Function analysis, Reverse engineering, Benchmarking, Tear down analysis and Certified with QR6S yellow belt.
- Project management – IATF 16949, APQP, Project planning and execution, SAP, PLM, Engineering change management for product cycle from RFQ to SOP.

Skill area:

- 14 years' experience in Creo – 4.0, Auto cad – 2017 and Simons NX-11
- 17 years' PLM wind-chill & Teamcenter
- Project Management (Cross functional collaboration internally, with customers and suppliers)
- QR6S (Quick response six sigma)
- Engineering gate reviews
- Value analysis and value engineering
- Benchmarking

Software skills:

- Creo – 4.0 and Simons NX-11
- Auto cad - 2017
- PLM wind-chill & Teamcenter
- IQ-RM
- MS office 365

Summary of professional Experience:**Present Experience:**

Organization : Brakes India private Limited, Chennai-600050, India.

Department : ER&D
Duration : Dec 2019 to till date
Designation : Deputy manager

Roles and Responsibilities:

- Managing team for entire product development & process, including creation of requirement analysis, finalizing specifications, designing, documenting & Prototype development activities.
- Responsible for projects deliverable time line.
- Responsible for brake system packaging study confirmation with customer vehicle aggregates.
- Responsible for freezing the customer requirements with alignment of all internal stakeholders.
- Responsible for customer sign off & the technical feasibility review.
- Responsible for product development specification & design for application product.
- Ensuring and approval of the CAD designs, drawings, calculations and documents to ensure that it meets the design requirements.
- Ensuring DFMEA and update.
- Prime responsible for design cost and material cost.
- Ensuring gate reviews such as, Design confirmation, DOE, DFM and DFA.
- Ensuring DVP testing and review the test results against the specification.
- Interaction with customer to review the design & development issues from definition phase to delivery phase for all projects.
- Responsible for zero-kilometer, IPTV, warranty, solving field issues during field validation using QR6S approach.
- Prepare the business proposals for design and development activities in-line with organization goal.
- Ensuring the brake system performance in vehicle before homologation along with customer.

Projects handled:

- Design and development of FBV (Legacy and low force) for After-market, AL, VECV, TATA, Half high way customers.
- Design and development of Palm couplings for After-market, AL, TATA.
- New concept design and development Air compressor 230 cc & 318 cc for AL
- New concept design and development of unibody quick release valve for After-market, AL, VECV, TATA, Half high way customers.
- Benchmarking and new concept design of Brake signal transmitter for EBS brake system.

Previous Experiences:

Organization : WABCO India limited, (Currently ZF India ltd) Chennai-600058, India.

Department : R&D
Duration : Aug 2011 to Dec 2019
Designation : Lead design Engineer

Roles and Responsibilities:

- Responsible for entire product design and development.
- Managing the entire life cycle starting from understanding customer requirements to production ramp up.
- Converting Voice of customer to product specification (PS) through QFD.
- Responsible for design to cost (Dtc) and VA/VE for the existing products.
- Responsible for DFMEA, CVM and FMEA interface documents between customer and supplier.
- Conduct reviews like DFA, DFM for component and assembly.
- Responsible for detailed design calculations in individual part and assembly level, drawings and documents.
- Compilation drawings release in PLM for both component and assembly.
- Responsible for conducting design reviews for every phase release.
- Timely execution of the project milestones through the proper resource management
- Responsible for DVP and review the test results against product specifications.
- Conducting various tests and inspections to ensure that products developed are in compliance with present technical specifications.
- Troubleshooting all technical problems in components and systems.
- Responsibility of design such as, castings (GDC, PDC and Sand Castings), plastics, sheet metal, rubber, springs, machined parts and standard parts

Projects handled:

- Design and development of Graduated hand control valve (GHCv) for Indian and global market customers.
- Design and development of Foot brake valve (FBV) for Indian and global market customers.
- Design and development of Single check valve (SCV) and Double check valve (DCV) for Indian market customers.
- Design and development of Relay valve for Indian and global market customers.

Organization : **Schneider Electric (India) Pvt. Ltd.** Bangalore,
Deputed through Atlantis lab Pvt. Ltd, Chennai, India.

Department : R&D
Duration : Feb 2010 to Aug 2011
Designation : Design Engineer

Roles and Responsibilities:

- Design of plastic and sheet metal components of Mc Set Assembly according to Schneider Electric methodology.
- Responsible for delivering the modified drawings for production on time after QC and as per the customer requirement.
- Global support for engineering change managements.

Projects involved:

- Design and development of switchgear for global customers

Organization : WABCO-TVS India Ltd (Currently ZF India ltd) . Deputed through
CONNAISSANCE PROJECT (P) LTD., Chennai, India.

Department : R&D
Duration : June 2007 to Feb 2010
Designation : Mechanical design engineer.

Roles and Responsibilities:

- Part design responsible such as casting, plastic, Sheetmetal and rubber commodity for new product.
- Responsible for all current product ECN documentation.
- Responsible for 2D concepts for new products using AUTO CAD and 3D using Pro-E wildfire.
- Responsible for GDC to PDC conversions for design to cost.

Projects involved:

Product such as, Brake Chamber, Spring brake actuators, Compressor, Air Processing Distribution Unit and Graduated Hand Control Valve and control valves.

Organization : Rane TRW Power steering systems ltd.
Deputed through For CONNAISSANCE PROJECT SERVICES (P) LTD., Chennai, India

Department : R&D
Duration : May 2006 to June 2007
Designation : Team Member

Roles and Responsibilities:

- Responsible for 2D & 3D drawings for current and new projects.
- Responsible for layout and ECN support.

Projects involved:

Projects such as, Power steering gears and rod assemblies

Academic qualifications:

Qualification	Board/University	Name of Institution	Academics
B.Tech., (part time) (Mechanical Engg.)	Janardan rai nagar Rajasthan vidyapeeth University	J.R.R.V University, Udaipur, India.	68.1 %
D.M.E.,	Department of technical Education, Tamil Nadu	Al-Ameen Institute of Technology, Erode, Tamil Nadu, India.	74.4 %
Class X	Board of Secondary Education	Private (Success tutorial center, kadayanallur, Tamil Nadu, India.	79.8 %

Professional achievements:

- By doing design to cast saved 100 K\$/Annum for Relay valve.
- VAVE done and saved around 1 million rupees/months.
- Holding yellow belt in six sigma.

Competency:

- Leadership and problem-solving ability.
- Ability to deal with rush assignments.
- Ability to drive the cross functional team for project deliverables.
- Process planning and proving.
- WIN-WIN attitude.
- Flexibility.
- Willing to learn.

Language known:

- Tamil (Fluent in Read, write and speak)
- English (Fluent in Read, write and speak)

Personal Profile:

Name	:	G. ANANTA BABU
Father's Name	:	K. Ganeshan
Date of Birth	:	6 th April 1985.
Gender	:	Male
Marital Status	:	Married
Permanent Address	:	No.L25/11, Paruthi villai North Street, Muthukrishnapuram, Kadayanallur – 627751, Tamil Nadu, India.
Passport Number	:	T3551277

I hereby declare that the above-mentioned details are true to the best of my knowledge and belief.

Place:

SIGNATURE

Date:

(G. ANANTA BABU)