RESUME

KAARTHIK.S

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PROFESSIONAL SUMMARY

- Overall 3 years and 10months of experience in New Product Development, 2years in a pump industry and 1 year 10 months in medical device domain.
- Hands-on experience in solid works and Auto cad, project management tools.
- Worked on BOM environment for product documenting and material allocations release.
- Knowledge in mechanical testing's, Process Validation, and product analyzing activities.
- Hands-on experience in Design Control activities involving (Quality Assurance, Manufacturing, Instruments handling, Medical Regulatory Affairs).
- Performed as an Business Metrics Analyst for team project management activities in maintaining individual performance data w.r.t productivity and quality deliverables and work measurement activities.

PROFFESSIONAL EXPERIENCE:

HCL TECHNOLOGIES — **Product Engineer.** **Aug 2019 to present.**

Key projects:

Project 1: ODON Device.
Duration:2 months
Team size: 3 Members.

Roles & Responsibilities:

- Design of Part modelling, Assembly and detailed drawings.
- Performing Design calculations to meet product requirements.
- Alternate Ideation proposed to the customer in the mechanism involved in the product.
- Selection of materials for a particular part in the product.

Project 2: Univia RightFit oral /Enteral syringes.
Duration:5 months
Team size: 3 Members.

Roles & Responsibilities:

- Create Part modelling of Luer lock syringe and assembly models (1 mL – 50 mL) along with their detailed drawings.
- Creation of Detailed drawings for packaging purpose.
- Worked on Design control elements meeting the requirements of FDA.
- Creation of documents like Design and Development plan, Design input, Design Review, Design verification, Design output, Design validation and Risk management documents as per ACR response along with protocols and Test requests required for testing.

Project 3: BD Alaris Infusion Pumps(complaints Handling).
Duration: 1 Year 2 months (Present)
Team size: 18 Members

Roles & Responsibilities:

- Collection of complaints and Incorporate Intake process following 21 CFR.820 FDA protocols..
- Follow up with clients regarding product defect and prepare design strategy to overcome the problem.
- Creation of RCA chart along with FMEA protocols and test method protocols.
- Filing of CAPA for each defect with MDR & MDD guidelines.
- Creation of Medical Device Regulatory document for defects observed and submit to FDA.
- Maintaining team individual metrics data in order to calculate productivity and quality output of team members.
- Involved in Six sigma activities and cross functional knowledge transfer activities internally.

AQUA GROUP — **Design & Development Engineer.**
Nov 2017 to Aug 2019.

Project 1: Pressure Boosting Systems

Roles & Responsibilities:

- Responsible for preparation of part modelling, analyzing and testing the new products and also to support production and quality team for TPM & KAIZEN activities.
- Create / Update the Drawings for Product / Package / Test Fixtures, Risk Management documents, and Product Specifications.
- Prepare Design & Development plan (DDP), Design Review and such documents.
- Responsible to meet the customer requirements from marketing department.
- Quality checker for 2D detailing
- Responsible for generating test reports on the process and maintaining optimum result for new product.
- Guiding the team with the lead and ensuring targets are achieved as per the standards set by the organization
- Responsible for team building and provide technical assistance to the project team.
- Coordinating with the team and resolving key bottleneck issues.
- Coordinated with other Sr. Engineers on technical issues and engineering decisions related to the project.

ARULMURUGAN ENGINEERING WORKS — **Design Engineer**
Jun 2017 to Nov 2017

Roles & Responsibilities:

- Creation of Parametric Part & Assembly, Modeling and Detailing.
- Involved from taking conceptual design into new product.
- Design and development plan preparation.
- Development of design concepts.
- Submission of technical and commercial proposal to the customer, reviewing the Commercial feasibility of the product.
- Trial and sampling inspection.

Tool expertise & Certifications:

- AutoCAD, SolidWorks, MS office applications.
- Certified Business English Certificate Conducted by Council of Europe. (Cambridge level B certificate).

EDUCATION QUALIFICATION

COURSE	SPECIALIZATION	INSTITUTION	PERCENTAGE OR CGPA	YEAR OF STUDY
MBA	General Management	Bharathiyar university, Coimbatore	**81%**	2020.
B.E	Mechanical Engineering	United Institute Technology, Coimbatore.	**72%**	2017.
HSC	Maths, Science, Computer science	Vivekam matric higher secondary school, Coimbatore.	**81%**	2013.
SSLC	Matriculation	Vivekam matric higher secondary school, Coimbatore.	**90%**	2011.

INTERNSHIP TRAINING

- PRICOL limited, (Plant-1) COIMBATORE. (Achieved a continuous improvement in production).
- MIRAA EQUIPMENTS, COIMBATORE. (In field of CNC machining).
- ROYAL ENFIELD, COIMBATORE. (In field of service section)

DECLARATION: I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Coimbatore

Date : 05/05/2021

SIGNATURE

KAARTHIK.S