WE'RE HIRING A DESIGN AND DEVELOPMENT ENGINEER

ABOUT THE COMPANY

Naxatra Labs Pvt. Ltd. is a deep-tech hardware startup building high-efficiency motors and controllers for electric vehicles, power tools, drones, and agri-tech applications. Located in Ahmedabad, we specialize in both R&D and manufacturing of advanced drivetrain systems. We are a fast-growing team working on cutting-edge technology with real-world impact, aiming to reduce energy consumption, drive sustainability, and enable global hardware innovation from India.

ROLE SUMMARY

The Design & Development Engineer will be responsible for understanding application requirements and converting them into feasible, manufacturable product solutions. The role involves end-to-end ownership of product development — from concept, feasibility analysis, and prototyping to testing and validation support. This is a high-ownership role suited for engineers who can independently drive projects without hierarchical supervision.

LOCATION: Ahmedabad

RESPONSIBILITIES

- Translate application and performance requirements into detailed mechanical designs.
- Develop innovative product architectures for electric motors and related systems.
- Create high-quality 3D models, assemblies, and manufacturing drawings using CAD tools (SolidWorks / Creo / equivalent).
- Apply DFMA (Design for Manufacturing & Assembly) principles to ensure feasibility, cost efficiency, and ease of production.
- Implement and interpret GD&T standards for precise manufacturing and tolerance control.
- Lead rapid prototyping cycles including design iterations, fitment checks, and functional validation.
- Work closely with Testing & Validation teams to analyze prototype performance and refine designs.

- Conduct design reviews and risk assessments in collaboration with cross-functional teams. Support FMEA activities from a design perspective and mitigate potential failure modes.
- Select appropriate materials, manufacturing processes, and design strategies aligned with product objectives.
- Maintain structured documentation including drawings, BOMs, revisions, and engineering change records.
- Continuously improve product performance, durability, and cost through iterative development.
- Take ownership of assigned development programs from concept through functional prototype stage.

QUALIFICATION

Bachelor's or Master's degree in Mechanical / Mechatronics Engineering.
2–5 years of hands-on product design experience. Freshers with strong design fundamentals and hands-on project experience are also encouraged to apply.

EXPERIENCE

- Strong proficiency in CAD software (SolidWorks / Creo / equivalent).
- Deep understanding of DFMA principles and GD&T application.
- Strong knowledge of manufacturing processes (machining, casting, sheet metal, assembly).
- Experience in rapid prototyping and iterative development cycles.
- Strong problem-solving ability and ownership mindset.

DURATION: Full time

COMPENSATION

For Experienced Candidates:

- The three months will be considered as a probation period.
- After the successful completion of the probation period, the employee will be offered an annual CTC in the range of **INR 8 LPA to 14 LPA.**

For Freshers

- Appointment will be subject to a 6-month probation period.
- CTC will range between **INR 5 LPA to 7 LPA**, depending on skills and performance during

Join us in electrifying the future of transportation and energy!

APPLY NOW

Send your CV and cover letter to careers@naxatralabs.com.
We look forward to hearing from you!
(Subject: <Name> Design Engineer Job Application)