

## JOB DESCRIPTION - Mechanical Design Lead

**Job Title:** Mechanical Design Lead

**Type:** Full Time

**Location:** IIT Kanpur, Kanpur, UP

**Desired Qualification:** Bachelors/Masters in Mechanical Engineering or related discipline, preferably from a tier 1/2 college

**Experience :** 2 - 5 years

**CTC:** As per industry standard

### About Us

Lenek Technologies aspires to create an ecosystem of research and development around medical technologies in India as well as strengthen its supporting domestic manufacturing sector. The company's vision is to take quality healthcare to the masses by addressing roadblocks with innovative solutions through technology. Currently, Lenek Technologies is incubated at SIIC, IIT Kanpur and is operating from IIT Kanpur itself. The company is involved in development and commercialisation of medical devices and technologies. For more details about company operations, you can refer our website or LinkedIn page or directly reach out to us via mail/call. We are looking for individuals who share similar mindset and attitude to get the things done.

### Job Role

In this role, you have the opportunity to contribute to Lenek' mission to continuously improve people's life through innovation across the Healthcare continuum. You will be supporting these goals by defining, designing and verifying different architectures for Mechanical systems while you continuously focus on improving the effectiveness & efficiency, as novel medical equipment requires increased levels of reliability and performance.

### Key Responsibilities

- Conceptualization for new technologies and products by conducting a thorough literature review and required analysis
- Design, analysis and optimization of mechanical systems like cooling systems, housings, flow systems etc.
- Setting up simulations for new systems like acoustic fields, xray beams etc.
- Designing and executing the testing and validation activities according to requirements

- Communications with vendors to enable the sourcing of components
- Technical documentation

### **Skills Required**

- Good familiarity and understanding of any of the following CAD software -
  - Solidwork
  - NX Unigraphics
  - Catia
  - Fusion 360
- Expertise in Drawing and Detailing of the components
- Expertise in Integration of components, GD&T & Tolerance Stack-up
- Expertise in Design Failure Mode Effects Analysis (DFMEA), Design for Manufacturing (DFM) and Design for Assembly (DFA)
- Knowledge of Component materials selection
- Basic coding skills in any programming language eg. C++, Python, Java etc.
- Proficient in MATLAB and Simulink
- Hands on experience with mechanical analysis and simulation tools like Ansys
- Hands on experience with fabrication and testing of electro-mechanical systems
- Must be a proactive, Team Player & also shoulder individual responsibility
- Microsoft office skills with good Excel knowledge, power point presentation

### **Apply at -**

Interested individuals can drop us a mail with subject containing the Job Title/s that you are applying for, along with your resume at [jobs@lenektech.com](mailto:jobs@lenektech.com). Applicants should send separate mails for every different Job Title application.

You can also apply on our LinkedIn & AngelList pages for active job posts.

LinkedIn - <https://www.linkedin.com/company/lenek-technologies-private-limited/>

AngelList - <https://angel.co/l/2wbuF3>