

## JOB DESCRIPTION - Electronics Design Lead

**Job Title:** Electronics Design Lead

**Type:** Full Time

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

**Desired Qualification:** Bachelors/Masters in Electronics 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 Electronics systems while you continuously focus on improving the effectiveness & efficiency, as novel medical equipment requires increased levels of reliability and performance.

### Key Responsibilities

- Design electronic hardware and ensure it complies with specifications.
- Perform printed circuit board (PCB) layout and ensure it is accurate.
- Provide Hardware Electronic engineering support as required.
- Develop schematics, layout, perform power and signal integrity analysis, simulations, testing and validation reports of sub-modules like power converters, BMS, motor drives, valve drives, display interfaces, processors, memories and communication interface modules.

- Create, maintain and update engineering related aspects (e.g. parts, bill of materials) of the material requirements planning (MRP) system.
- Assist in selection and procurement of electronic components whenever required.
- Ensure components, processes and products are designed to maximise effective manufacture and efficiency requirements.
- Ensure the documentation of products and packing lists is accurate and well-maintained.
- Develop systematic approaches and guidelines for product development with other departments for designing, testing, reporting, part selection, etc. to achieve better results for the entire product engineering team

### **Skills Required**

- Successful track record in hardware design & development for complex electromechanical end products, right from concept to production
- Experience in Hardware design and development experience in Analog, Digital and Embedded Systems Product Development
- Familiarity with a wide variety of hardware design, like power electronics, high speed digital electronics, FPGAs, processors, memory interfaces, motor control, etc.
- Experience with handling EMI/EMC issues, signal integrity issues
- Experience with ECAD packages like Altium Designer, PADS, OrCAD, HyperLynx, Cadence, Eagle, etc.
- Exposure to PCB Designing, protocols like I2C, SPI, etc.
- Basic experience with embedded programming is a must
- A good understanding of structured projects and engineering methodologies
- Ability to work well in a group, sharing ideas and problem solving
- Adept at using laboratory instruments like Oscilloscope, Spectrum Analyzer, Function Generator, etc.

### **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>