

## JOB DESCRIPTION - Embedded Design Engineer

**Job Title:** Embedded Design Engineer

**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 :** 0-1 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 and implement software of embedded devices and systems from requirements to production and commercial deployment.
- Design, develop, code, test and debug system software.
- Performs code review following coding guidelines and static code analysis.
- Analyse and enhance efficiency, stability and scalability of system resources.
- Integrate and validate new product designs.

- Support software QA and optimize I/O performance.
- Ensure the documentation of product/firmware/software is well maintained and extensive.
- Interface with hardware design and development
- Assess third party and open-source software

### **Skills Required**

- Solid programming experience in C or C++, VHDL, Verilog
- Experience in hands-on development and troubleshooting on embedded targets and FPGAs
- Excellent knowledge of OS coding techniques, IP protocols, interfaces and hardware subsystems
- Expert knowledge of the embedded design process and tools: compilers, debuggers, build management tools, and source code control.
- Fluent in software fundamentals including software design and maintainability.
- Adequate knowledge of reading schematics and data sheets for components
- Strong knowledge of Linux device drivers, Linux Kernel Programming, Linux Kernel Internals, Yocto/Buildroot or any other build systems
- Strong documentation and writing skills

### **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/>

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