

Applicants are required to appear for Walk-In/ Virtual Interview (request for Online interview with prior intimation to [hr@kiht.in](mailto:hr@kiht.in) before 17.10.2021 may be considered) for Interview on **19.10.2021 at 10.30 am** to the Office of KIHT, AMTZ Campus, Pragati Maidan, VM Steel Project SO, Visakhapatnam-530031, with certificates, pay-slips of previous three months, experience certificates and other documents.

### **Scientist – Embedded System / Sensor Integration**

#### **Terms of Reference:**

1. Develop schematics and then produce PCB layouts and manufacturing/assembly data packages for a variety of products with DFMA.
2. Implementation of Industry-standard communication Protocols I2C , SPI, MQTT, UART,CAN etc.,
3. Embedded System design, Device Drivers and Arduino programming will be a plus.
4. Familiarity with the global IPC standards for PCB Design.
5. Hands-on systems integration, Embedded system programming, Knowledge of PCB design/ Fabrication.
6. SMPS (switch mode power supplies) – knowledge of layout techniques for Medical Devices.
7. Deep understanding and experience in Design and Development of Embedded Software & hardware development.
8. Implementation of FPGA based prototyping for reconfigurable computing with sensors integration.
9. Design and Integration of PCB Circuits for Medical Devices (Electronic Board and Enclosure Design).PCB Design and Simulation Software's like kiCAD, Eagle, Altium, Proteus.
10. System Integration as per the requirement of Innovators
11. Undertake the assignments, which may be assigned from time to time.

#### **Eligibility:**

1. Qualification: Bachelor's / Master's in Electronics / Electronics and Communication Engineering or any discipline with Full Stack Embedded Engineer Experience (Electronics systems Architect).
2. Experience: Minimum 2 years of experience in the relevant filed
3. Candidate should have below Technical Skillset:
  - Embedded system design
  - Device Drivers and Arduino Programming
4. Computer literacy including advanced proficiency with Microsoft Office (Excel, Word & PPT).
5. Excellent communication and presentation skills, analytical, problem-solving skills and interpersonal abilities, Decision-making, excellent oral and written communication skills in English.

6. Must have Team Spirit, Agility, Leadership, Initiative, time management, prioritising and the ability to handle a complex and varied workload.
7. Must maintain confidentiality and discretion in all aspects and be comfortable with flexible working schedule to meet the needs of the Company.
8. Willingness to Travel.
9. Ability to handle urgent matters, multiple tasks, simultaneously and quickly complete the assigned tasks
10. Age above 30 years.