**JD & Requirements for the Post of Embedded Hardware Design Engineer**

IIITH’s invites applications from embedded hardware engineers for the first of its kind India-EU collaboration project, *Living Lab*, funded by MEITY, Government of India. Living Lab is working on several interesting IoT projects in the areas of pollution, energy, water, streetlights and smart classrooms. The candidate will get a wonderful opportunity to work with faculty and research groups engaged.

**Essential duties and responsibilities**

- Design, plan, document and develop new hardware products/IoT modules from initial requirements through prototypes to production ready
- Work on providing cutting-edge technology solutions to unique and challenging on-ground problem statements in IoT, LoraWAN and related domains.
- Test and troubleshoot problems and maintain existing designs and develop new variants of existing products to add new features, deal with component end-of-life, etc.
- Work collaboratively and diligently with your fellow team members, product management, software engineering and manufacturing teams to produce reliable, standards compliant, world-class products.

**Qualifications, skills & experience**

**Mandatory:**

- Bachelor's degree in Electrical/ ECE Engineering from a recognized university.
- Hands on experience in generating schematics and realizing the hardware
- Minimum of 1-2 years’ proven ability in controller based digital electronic design, prototyping, board bring up and troubleshooting.
- Good expertise in communication interfaces like LAN/RS232/RS485/I2C etc and familiarity with server/client architecture
- Passion to work in new technologies
- Able to support/debug system integration
- Process oriented and a good verbal and written communicator

**Highly desirable:**

- Basic software skills and the ability to do initial board bring up
- Knowledge of various kinds of sensors and their interfaces
- Experience with designs including wireless communications (LORAWAN, Bluetooth, WiFi etc...)
- Ability to effectively research and solve complex technical issues
- Excellent interpersonal skills and good attention to detail