**Responsibilities**

* Ability to take complete ownership of product platform from concept to production.
* Candidate will be part of complete product development cycle which includes Concept & detailed design, prototyping, Design validation, Qualification, Reliability testing & taking product into production.
* Candidate will be responsible for research & development of M2M/IoT products.
* Good understanding of RF wireless system concepts and design skills.
* Knowledge of wireless communication technologies such as Zigbee,LoRa, Wi-Fi and GPRS(2G,3G,4G)
* Review of schematics, BoM, placement, routing, lab results, compliance test results and all technical documents including product broachers.
* Design specification, implementation, gerber and BoM release, bring-up and testing.
* Clear fundamentals of Analog and Digital Electronics, Knowledge of Full Hardware Design Life Cycle.
* Experience in Power Electronics, buck, boost, flyback, half bridge, full bridge, designing of DC-DC convertors, EMI/EMC/ESD, MOSFETS/BJT.
* Exposure to design tools - OrCAD, Allegro PCB,KICAD etc

**Preferred Skills And Abilities**

* Microcontrollers : 16/32 bit ARM / Cortex based MCUs, etc.
* Hardwares : Analog, Digital, Mixed-Signal, Communication peripherals, Sensors, Memory Interfaces etc
* Communications : SPI, I2C, UART, RS232/485, USB
* EDA Tools : ORCAD, Mentor Graphics(PADS),KICAD.
* Simulation Tools : PSpice, LT Spice, Modelsim.
* Programming Languages: C
* Excellent knowledge of analogue, digital and mixed-signal high-speed electronic circuit design.
* Excellent Hands-on experience in embedded products and hardware development.
* Excellent hardware troubleshooting/debugging and testing embedded systems.
* Hands-on experience in documentation like BOM, Design Document, Test procedures etc.
* Hands-on experience in utilizing test equipment like DMM, Oscilloscopes, Logic Analyzers, Function/Signal generator/Solder Station (SMD/DIP).
* Strong problem solving and analytical skills.

[11:19 AM] Niju PP

key Skills:

hardware design,schematic,IoT,RF design,wireless,embedded,embedded testing,PCB design,GPRS,micro controller,[Circuit Designing](https://www.naukri.com/circuit-design-jobs),[UART](https://www.naukri.com/uart-jobs),[I2C](https://www.naukri.com/i2c-jobs),[SPI](https://www.naukri.com/spi-jobs),[ORCAD](https://www.naukri.com/orcad-jobs),[analog design](https://www.naukri.com/analog-design-jobs),[Digital Electronics](https://www.naukri.com/digital-electronics-jobs),[Power Electronics](https://www.naukri.com/power-electronics-jobs),[Electronics Circuits](https://www.naukri.com/electronics-circuits-jobs)