

## Vijña Labs: Research and Development Positions in Internet of Things

Vijña Labs is a member of The Manipal Group (TMG) of companies focused on emerging technologies including Internet of Things (IoT) platforms and solutions. TMG is a highly diversified \$500M+ group with established business leadership in Technology, Software, Media, Home Products, Energy, Infrastructure and Advertising. TMG was founded in 1925, through the establishment of the Syndicate Bank, and has evolved into a group with over 12 member companies, 8000+ employees spread over 4 continents and 7 countries including India, USA, Germany, and Africa. TMG continues to diversify its portfolio through investments in several technology companies in Analytics, Robotics, Computer Vision, Deep Learning, Cloud Retail, Energy and related areas.

Vijña Labs is the newest member of The Manipal Group. It brings together smart sensing, low power electronics, signal processing, communications and real-time cloud-based analytics, for innovative and game changing IoT platforms and solutions – for retail, supply chain, security, healthcare, smart homes/buildings and related applications.

Vijña Labs is looking to hire exceptional talent to build innovative IoT platforms and solutions. We are looking to hire engineers with hands-on experience in the following areas,

1. **Smart Sensors** – experience required in electronic, mechanical, optical and chemical sensing, sensor data acquisition and conditioning.
2. **Low Power Circuits/Motes** – experience required in power/performance optimization and programming of circuits/motes, Integration of Motes with Sensors/End-devices and Communication Systems, Signal conditioning of sensor data to communication/network layer.
3. **Signal Processing** – experience required in real-time signal processing of time-domain sensor data in analog, digital, optical, image and video forms.
4. **Communication/Network Modules, Systems and Programming** – experience required in one or more communication modules such as NFC/BLE/WiFi/GSM/CDMA/LoRa etc., M2M protocols like MQTT, CoAP, OMA LWM2M, etc., Infrastructure protocols like 6LowPAN, IPv4/IPv6 etc.
5. **Cloud-based Analytics and Security** – experience required in implementing IoT analytics solutions on various cloud platforms such as AWS, Bluemix, Azure etc., experience in web service integration, MBaaS, Complex Event Processing, Rule Engines, APIs, mobile based apps and toolkits etc.

Ability to learn and ramp up quickly on emerging technologies is an added plus. Salaries will be competitive with best-in-class in the industry.

**Qualifications:** Masters/PhD in Electrical Engineering/Computer Science/Physics/Mechanical Engineering/Materials Sciences and related areas from premier universities in India and abroad. Multiple years of hands-on experience in the above domain areas is essential.

**Location:** Bangalore, India

The Manipal Group's business values are built on Honesty, Integrity, Trustworthiness and Respect for other Individuals. If you believe in these values and have the drive for Innovation and Creativity to build successful businesses in today's business environment, then come join TMG to build the future.

Interested candidates may send their resume, summary of work experience and list of references to [iot.hr@manipalgroup.info](mailto:iot.hr@manipalgroup.info)