M.Tech Internship & Project Work

Technical Training & Application Engineering – IoT, Embedded AI & 5G

(Internship, 2–6 months, with M.Tech thesis project possibility | Full Time at Office in Chemperi, Kannur, Kerala, India | IICT GmbH India – International IoT Communication Technologies Pvt. Ltd.)

About Us

International IoT Communication Technologies Private Limited (IICT GmbH India) is the Indian operations company of **IICT GmbH**, Germany. IICT GmbH offers a complete training system — **one connected learning ecosystem, from training hardware to guided experimentation**, combining **physical training systems, virtual labs, and structured hands-on courses** into one practical learning pathway across **IoT, 5G/6G, and Embedded AI**. This internship sits within IICT GmbH's **Training Academy**.

More details:
www.ii-ct.com
www.iict-training.com

Role & Responsibilities

As a **Training Delivery Engineer & Application Engineering Intern**, you will work closely with **international experts** on hands-on training labs and training delivery, become a **certified trainer** in IICT GmbH's Training Academy, and execute a **guided project** on a jointly defined topic in next-generation communication systems, embedded and edge AI. You will report to the **product team in Germany** and the **training delivery team in India**. Your tasks include:

Training Certification & Delivery

- Complete hands-on and guided project modules on IICT GmbH's **lab packages in IoT, 5G, and Embedded AI**, and the **Training Academy trainer certification**.
- Assist in **live hands-on training sessions** (online and onsite), including preparation of training environments, session logistics, and participant materials.

Training Content Co-Development

- Contribute to the design and development of **experiential, lab-based learning modules**, and document **lab procedures, configurations, and results** for IICT GmbH's training portfolio.

Application Engineering & Project Work (aligned with your M.Tech program)

- Develop a **hands-on project** from the offered topics, or an aligned topic, in coordination with the technical team in Germany, working independently with remote guidance.
- **Mini-project topics** (first ~2 months): modular AIoT project platform; wearable on-device hand-gesture recognition; AIoT postural classification for ergonomic monitoring; embedded AI for machine vibration monitoring and predictive maintenance; wearable fall detection with real-time BLE alerts.
- **M.Tech thesis topics** (after the first month, by mutual agreement): embedded AI on-device inference and sensor fusion; test automation across multi-IoT technologies; closed-loop RAN optimisation using ML; multi-IoT use-case demonstrators; hybrid terrestrial–non-terrestrial IoT for 6G; AI-assisted network selection; integrated sensing and communication for smart industry; zero-trust architecture for 6G-enabled industrial IoT.
- Validate project outcomes against training objectives and contribute findings to IICT GmbH's R&D pipeline.

Qualifications & Requirements

- **M.Tech student** in Communication Engineering, Embedded Systems, Computer Science, or a related field.
- Solid foundation and hands-on exposure in **IoT, 5G communications, and embedded systems**; proficient in **C/C++ and Python**, comfortable on **embedded Linux** platforms.
- Strong analytical mindset, able to work independently and systematically; excellent **communication and presentation skills**; high proficiency in **English**.
- Experience in training, teaching, instructional design, or e-learning tools is a plus.
- Enthusiasm and adaptability for a dynamic, international startup environment.

What We Offer

- Hands-on experience with **real-world IoT, 5G, and AIoT systems**, working with international domain experts on impactful lab packages.
- **Training Academy certified trainer** status; after successful certification, a **stipend and additional remuneration for training delivery assignments**, based on performance and responsibilities.
- Internship **experience certificate**, and potential to extend the work into an aligned **M.Tech thesis topic** or future collaboration.
- **Our India Office location:** Chemperi, a beautiful hilly village region of Kannur, Kerala, with fresh air and green surroundings — we believe the future deep-tech ecosystem should not sit only in Tier 1 and Tier 2 cities, and we invite candidates who value a local, village work atmosphere to work with us to build the company further.
- **Settling in:** we help you find suitable accommodation and integrate into the local environment.

To apply, send your CV, available mark sheets and a motivation letter (mention your areas of interest) to jobs@ii-ct.com

We are already looking forward to your application!