Training Development Engineer – 5G/6G, Industrial AIoT

Internship (Full-Time) – Turning Technology Research into Hands-On Training Modules

(Voluntary or Part of Study Program, 3–6 months, flexible start | Offenburg | Onsite | IICT GmbH)

About Us

IICT GmbH offers a complete training system — **one connected learning ecosystem, from training hardware to guided experimentation**. IICT GmbH combines **physical training systems, remotely accessible virtual labs, and structured hands-on courses** into one practical learning pathway across **IoT, 5G/6G, and Embedded AI**, giving SMEs and academic institutions access to next-generation connectivity technologies & testing environments. Join our dynamic team and help shape the future of connected technologies.

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

Role & Responsibilities

As a **Training Development Engineer Intern**, you will work closely with our **technical and training teams** to turn ongoing research and engineering work in **5G/6G and Industrial AIoT** into **hands-on training modules and lab exercises**. You will collaborate directly with **Subject-Matter Experts (SMEs)**, gaining exposure to both **advanced wireless/IoT engineering** and **instructional design**. Your tasks include:

Technical Research & Exploration

- Support research, testing, and documentation of **5G/6G and Industrial IoT communication** topics, including **O-RAN, 5G-SA, RIC/rApps/xApps**, and **Joint Sensing and Communication (JSAC/ISAC)** concepts.
- Explore and evaluate **Industrial AIoT use cases** on IICT GmbH's experimentation platform and testbeds.

Training Module Development

- Work with **SMEs** to translate technical research and platform features into **structured training modules, lab exercises, and guided experiments**.
- Support the creation of **learning content, documentation, and assessments** for IICT GmbH's training courses, in cooperation with the instructional design team.
- Help maintain **quality and consistency** across training materials through structured review and testing.

Platform & Learning Support

- Contribute to **setting up and testing digital platforms for learning and experimentation**.
- Support **documentation and knowledge transfer** between the technical development team and the training/learning team.

Qualifications & Requirements

- Currently pursuing, or recently completed, a **Bachelor's or Master's degree** in **Communications Engineering, Electrical/Telecommunication Engineering, Computer Science**, or a related field.
- Interest in **5G/6G, Industrial IoT/AIoT**, or wireless communication systems, through coursework, projects, or personal interest.
- Interest in **technical training, instructional design, or knowledge transfer** — prior experience is a plus but not required.
- Willingness to **learn by working directly with SMEs** and cross-functional technical and training teams.
- Basic familiarity with **Python, MATLAB, or C/C++** is a plus.
- Good written and spoken **English**; German language skills are a plus.
- Valid work/internship permit to take up an internship in Germany.

What We Offer

- Hands-on exposure to **real 5G/6G and Industrial AIoT research and testbeds**, alongside experienced engineers and SMEs.
- Direct mentorship in both **technical engineering** and **instructional/learning design**.
- A **flexible internship format**: full-time or voluntary as part of study program, for **3–6 months**, with a flexible start date.
- A **certificate of internship** and the possibility of a follow-on role at IICT GmbH based on performance.
- A collaborative, international, research-driven environment spanning **technical development and training/learning design**.

To apply, please send your CV and a short motivation letter to jobs@ii-ct.com
We are already looking forward to your application!