

Research Job: Advertisement

Title: Open Research Positions in Connected Devices and Wearables Lab at IIIT-Bangalore

Connected Devices and Wearables Lab (<https://sites.google.com/view/cdwl>) at **IIIT-Bangalore** (<https://iiitb.ac.in/>) is seeking applications for Research Assistant, Research Associate and Postdoc Positions from deserving candidates. Selected candidates will work on the following research topics.

- **Wearables for Internet of Bodies:** Design of low power wearables capable of harvesting energy from the body (e.g., energy from body heat) for long-term battery free sensing and communication.
- **Ultra-Low Power and Secure Communication:** Explore different modalities of secure and ultra-low-power short-range communication between wearable devices and between wearable devices and off-body transceivers. (e.g., human body communication)
- **Hardware Security:** Develop hardware security measures to protect the wearable devices from unauthorized access or replacements (e.g., PUFs for wearables)

Expected Skillset: Embedded Systems, Analog Circuits (off-chip), Python Programming, PCB Design

Expected Academic Qualification: BTech, M.Tech, Ph.D

PayScale: Based on prior experience, and academic qualifications

Interested and motivated candidates, seriously committed about research and development of state-of-the art connected wearable devices, should contact Prof. Polachan at kurian.polachan@iiitb.ac.in with your CV, a brief description of your research interests and relevant experience (e.g. research/work experience, courses taken, etc.).

