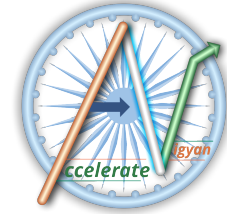


Indian Institute of Information Technology Dharwad
Department of Computer Science and Engineering
VRITIKA (Training and Skill Internship)



Call for Research Internship (Accelerate Vigyan - Vritika) – Offline Mode

Title: "Error Correcting Codes for Communication in Wireless Sensor Networks"

Objectives of the internship:

- Development of error correction codes based on different algebraic structures suitable for wireless sensor nodes with reduced power consumption.
- Reduce latency in the sensor networks by introducing distributed error correcting codes
- Develop network coding approach to reduce power dissipation at the gateway nodes
- Explore combination of clustering and error correcting code approaches to achieve reduced power consumption and increased life time expectancy of the sensor networks
- Develop techniques for Firmware updates in the deployed sensor nodes using error correction codes

Who can Apply? Regular PG and UG 4th-year level students from Computer Science and Engineering (CSE) / Electronics and Communication Engineering (ECE) who are having a strong orientation towards scientific and engineering research and are pursuing their degree from University / Institution within India (primarily from universities, colleges, private academic institutions) in the fields of Science and Engineering and having an interest in scientific research.

Details of Internship & Selection Process

- Duration: 19th February, 2024 to 31st March, 2024.
- Venue: Department of Computer Science and Engineering, IIT Dharwad, Karnataka - 580009
- Number of Interns Required: 05
- Last Date for application/registration: 14th February, 2024
- No stipend will be provided for the internship.
- The shortlisted candidates shall be selected for the research internship program based on their performance in the written test/interview (online mode).

How to Apply?

The candidate shall apply for the Internship program by filling out the following Google Form:
<https://forms.gle/MsAwan1mkfHXnBgeA>

Address for Correspondence:

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