

Funded Research Projects

The **Department of Electronics and Communication Engineering, NIE Mysore**, congratulates the dedicated efforts of our faculty members for successfully securing **funded research projects**.

These achievements reflect the department's strong commitment to **research excellence, innovation, and national development goals**. The funded projects not only enhance the research ecosystem within the department but also contribute significantly to advancements in emerging technologies.

The department applauds the faculty members for their perseverance and outstanding contributions, and wishes them continued success in their future research endeavors.

Project Funding details 2025-'26

1. Award for Implementation of TTDF Proposal

Dr. **Sharmila B. S.** has been awarded the **implementation of the TTDF proposal (TTDF/6G/335)**, approved under the **Telecom Technology Development Fund (TTDF)** scheme of the **Digital Bharat Nidhi (DBN), Department of Telecommunications (DoT)** with a total funding of **Rs.20 lakhs**.

2. Award of Collaborative Research Project

A **collaborative research project** titled **"Proactive Detection and Mitigation Strategies for AI and ML-Based Cyber Attacks in 5G O-RAN Architecture"** has been awarded under the **special call for Vision Viksit Bharat@2047 (VB@2047)** with a funding of **Rs.12 lakhs**.

The project is awarded to **Dr. Hema Chandra P. N., Dr. Sharmila B. S., Dr. Nandini B. M., Dr. Kavitha S. S., B. R. Vatsala, and Lokesha H. R.** The research aims to address emerging cybersecurity challenges in next-generation **5G O-RAN networks** by developing proactive, intelligent detection and mitigation frameworks using **Artificial Intelligence and Machine Learning** techniques.

3. Award of VGST KFIST L1- GRD No.1219

Project proposal has been selected for funding under the **VGST KFIST L1 2023–24** scheme with a grant of **₹20 Lakhs** from VGST and **Rs. 6 lakhs** from NIE. The duration of this project is **2 years**.

Project Title **"Established of Testing and Characterization for Consumer Electronics and Industry Products lab which compiles with Industry Standards"**

PI: **Dr. Remya Jayachandran**, Assistant Professor & Deputy Head IQAC, ECED, NIE Mysore. Amount of **Rs.10 Lakhs** received as first instalment from VGST on **October 2025** and **Rs. 3 lakhs** from NIE to establish the Testing and characterization lab.