

Second Runner up - 5G Innovation Hackathon 2025

The project, “Crime Investigation using Camera-Mounted Rover and VR with 5G,” won the Second Runner-Up position in the highly competitive 5G Innovation Hackathon 2025 (Academia/Student Category), organized by the Department of Telecommunications. The team included members **Vivek Mukundan and Tanmay Joyashi (Second-Year, Communication Systems)** and was led by **Dr. E.S. Gopi**, Professor, Department of ECE. The award was presented during the IMC 2025 (India Mobile Congress) on October 9, 2025, by **Dr. Pemmasani Chandra Sekhar**, the Hon’ble Minister of State for Communications and Minister of Rural Development.

This preliminary prototype uses a camera-mounted rover and a Virtual Reality (VR) interface connected over a private 5G network to enable remote, real-time forensic inspections. The system is designed to overcome the shortage of trained forensic experts and eliminate the risk of evidence contamination, with potential for use in search and rescue, and border surveillance, directly supporting the **Atma Nirbhar Bharat (Self-Reliant India)** mission through indigenous high-technology development.

