Event Title	IoT Enabled Application Development using ESP32 to address SDGs
Event category	Project Expo
Date and duration	20th June, 2025
Conducted By	Department of ECE
Co-ordinators	Mr. R. RajaRaja, Assistant Professor, ECE Ms. N. Iswarya, Assistant Professor, ECE Ms. M. Deepa, Assistant Professor, ECE
No. of participants	62 students

- The Department of Electronics and Communication Engineering organized a Project Expo on June 20, 2025, as part of the Value-Added Course (VAC) titled "IoT-Enabled Application Development Using ESP32 to Address SDGs."
- The course focused on equipping students with hands-on skills in IoT application development using the ESP32 microcontroller, while encouraging them to align their innovations with the Sustainable Development Goals (SDGs) set by the United Nations.
- The expo served as a platform for students to demonstrate the projects they developed during the course. These projects covered a variety of application domains, such as smart healthcare, environmental monitoring, sustainable agriculture, and energy-efficient systems.
- Students showcased real-time implementations, proving their ability to integrate theoretical knowledge with practical problem-solving aimed at societal benefit. The event was judged by Mr. Suganth, Senior Project Engineer at Soliton Technologies Pvt. Ltd., and a proud alumnus of the ECE Department, PSG iTech (Batch of 2021).
- His industry insights and constructive feedback were greatly appreciated by all participants. His involvement also reflected the strong alumni engagement and encouragement for innovation within the institution. Prizes and certificates of participation were distributed at the end of the expo.

Students demonstrating their project to the Judge