



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

RESEARCH LABORATORY

Overview

- This laboratory is a **Centre's Of Excellence under Intel College Excellence program** through FICE.
- This provided platform to set up state of art labs based Intel Architecture at various higher education institutes
- The area of laboratory is 55.60 Sq.m (28.5*21)

List of the equipments:

1. Personal Computer with i5 Processor, 8 GB RAM, 1TB HDD
2. Personal Computer with i5 Processor, 4 GB RAM, 500GB HDD
3. Ansys-HFSS Simulation tool – 25 users
4. ARM Processor 7 Kit (LPC 2378)
5. Intel Galileo Gen 2 Boards
6. Raspberry Pi 3 Boards
7. Arduino Boards+Wi500 Ethernet Shield
8. 1.3 GHz Vector Network Analyzer
9. GPS Technology Trainer
10. Basic Microstrip component trainer
11. WiFi Modules, BLE Transceivers and RFID Tags
12. Load Cells with Amplifier
13. Accelerometers and Gyroscopes
14. ECG/EMG Sensor
15. Temperature Sensor, Pulse Sensor and Touch Sensor
16. Object Detection Sensor, RGB Color Sensor pH and Moisture Sensor and Flow Sensor
17. MCP3008 Boards & CMOS Camera

Objectives:

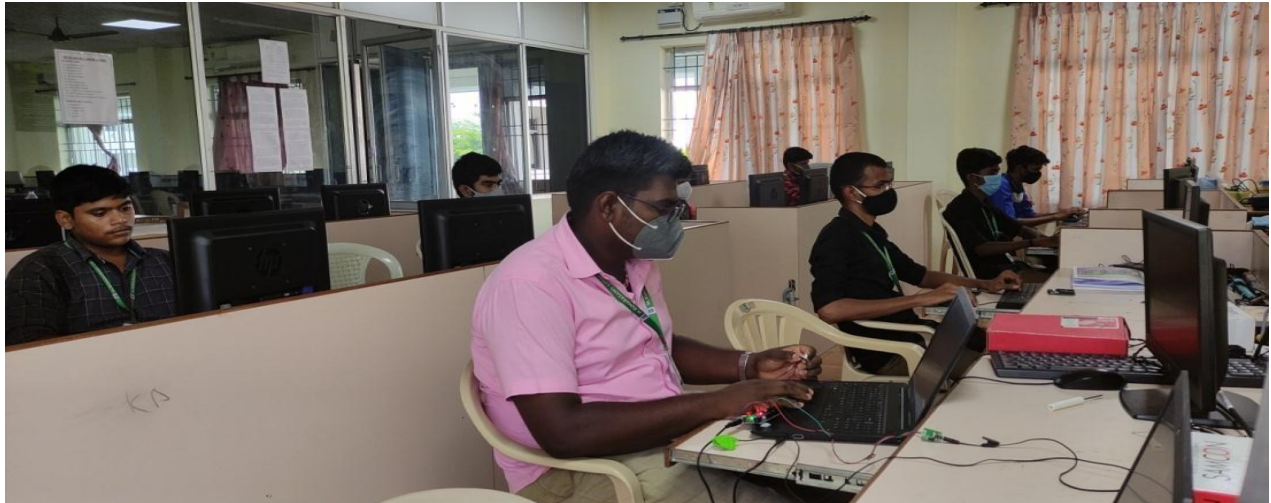
1. To fine-tune software and core skills of our students
2. To create numerous certified professionals with competitive skills which are mandatory for industries



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Outcomes:

- Our students are doing projects using the Intel boards in following domains like Agriculture, BabyCaring& Monitoring, Automobile & Transportation, and People Rescue & Digital EB Assist.



Snapshot of Research laboratory