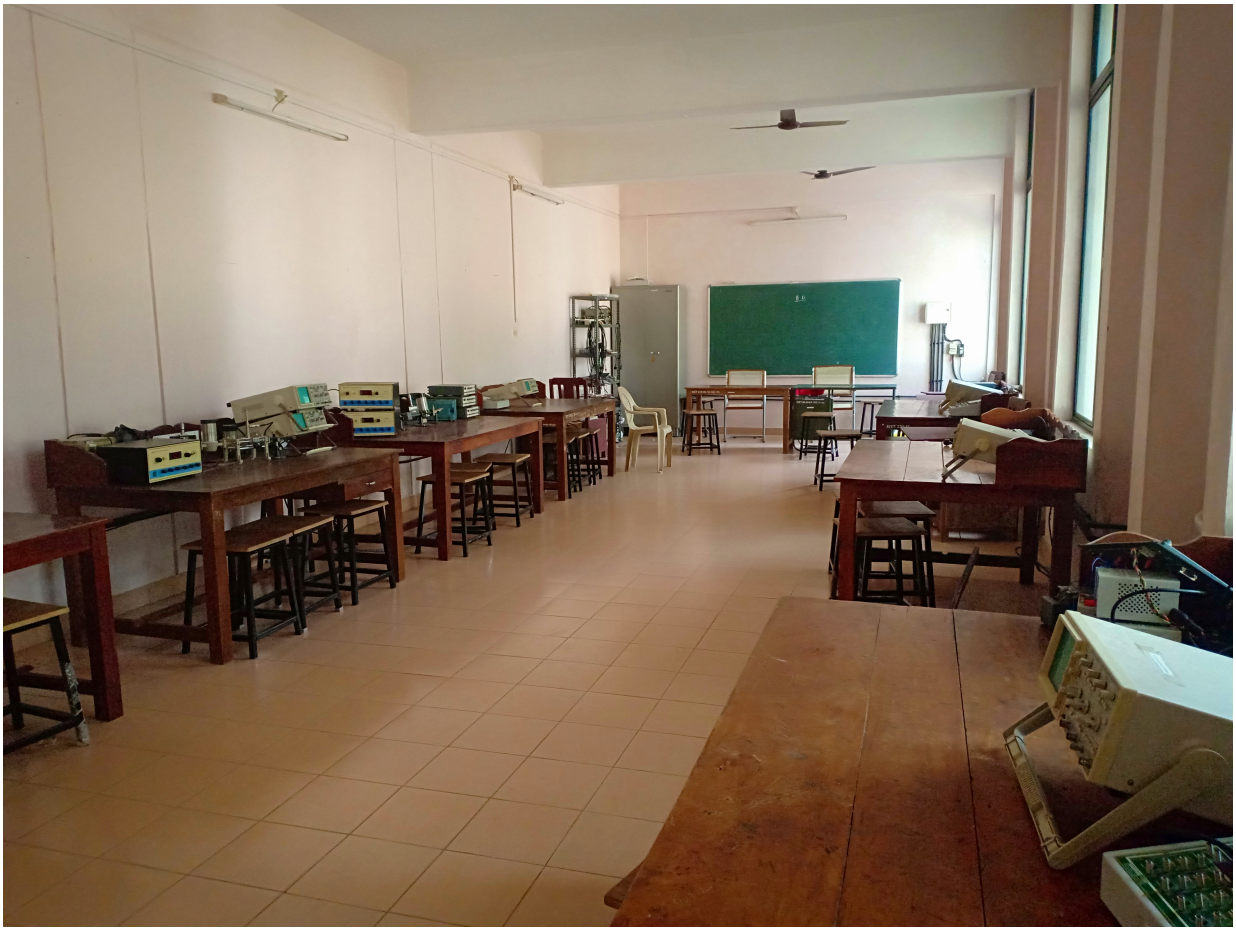
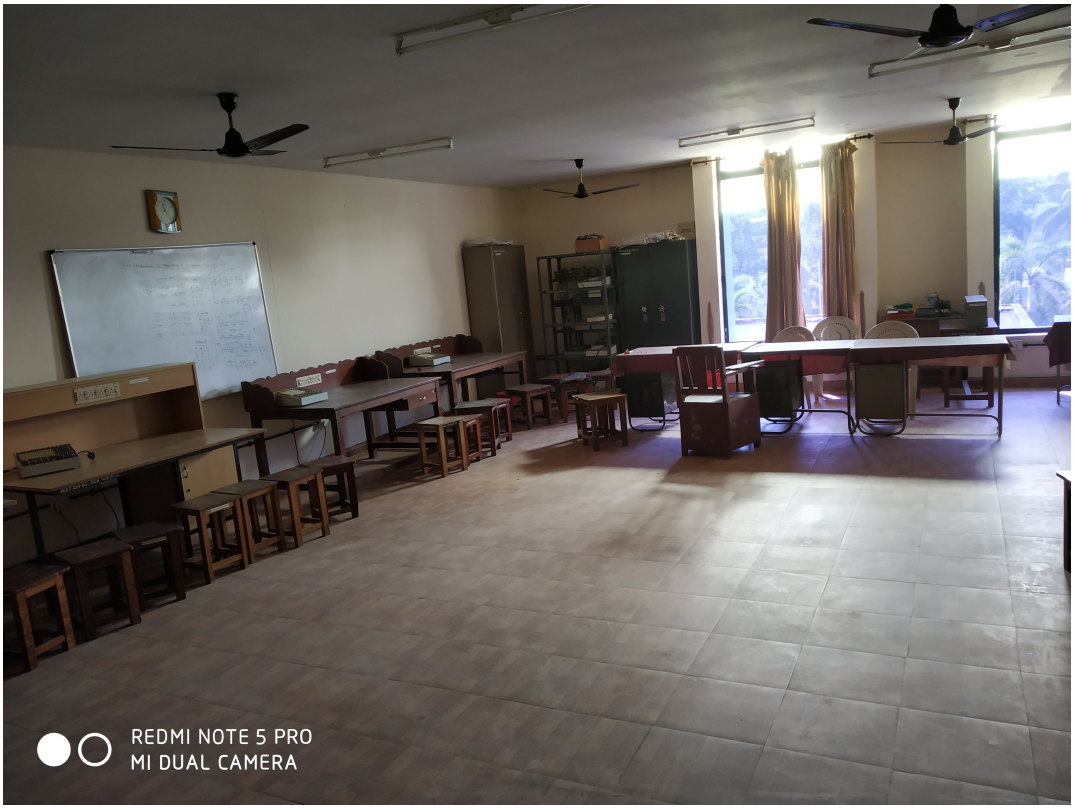
Advanced Communication Laboratory



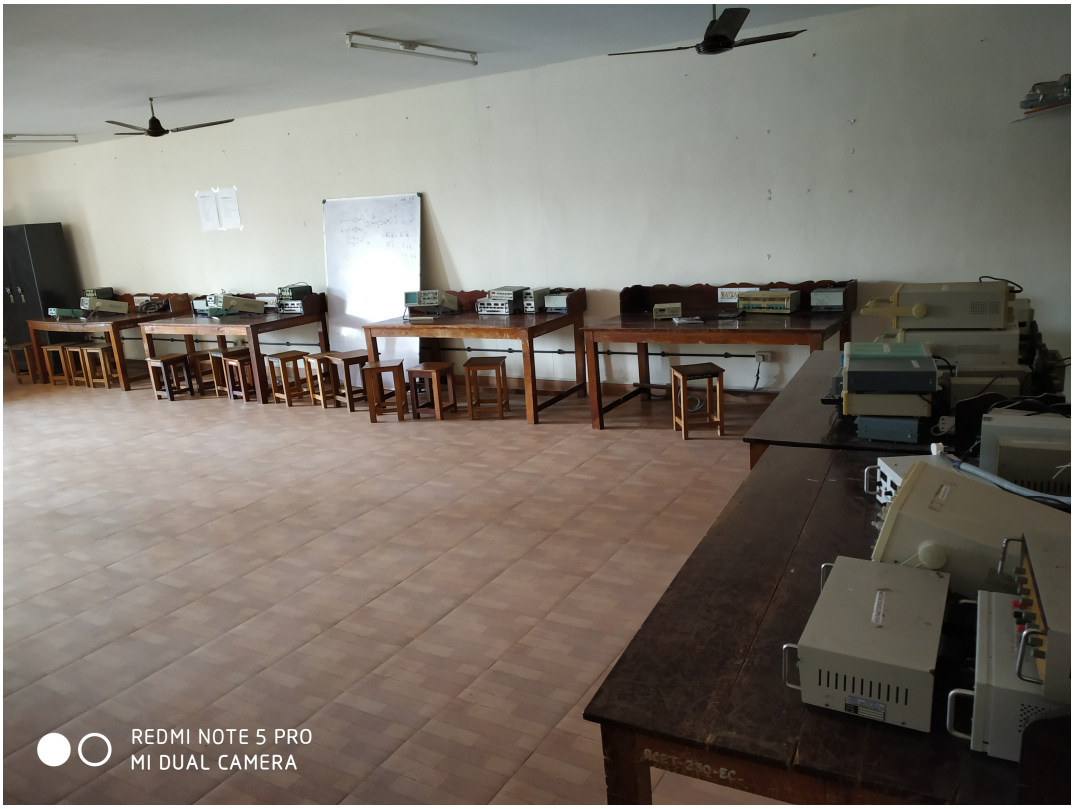
The Advanced Communication Laboratory is to understand basic theories of digital and analog communication. The laboratory is adequately equipped with microwave benches at C-band and X-band, which includes Klystron tubes, Gunn diodes, Klystron power supplies, modulators, directional couplers, various power energy and VSWR meters. This laboratory also equipped with advanced Optical fiber trainer kits which help the students to analyze the numerical aperture and attenuation measurements and also to measure the analog and digital transmission characteristics.

Digital Laboratory



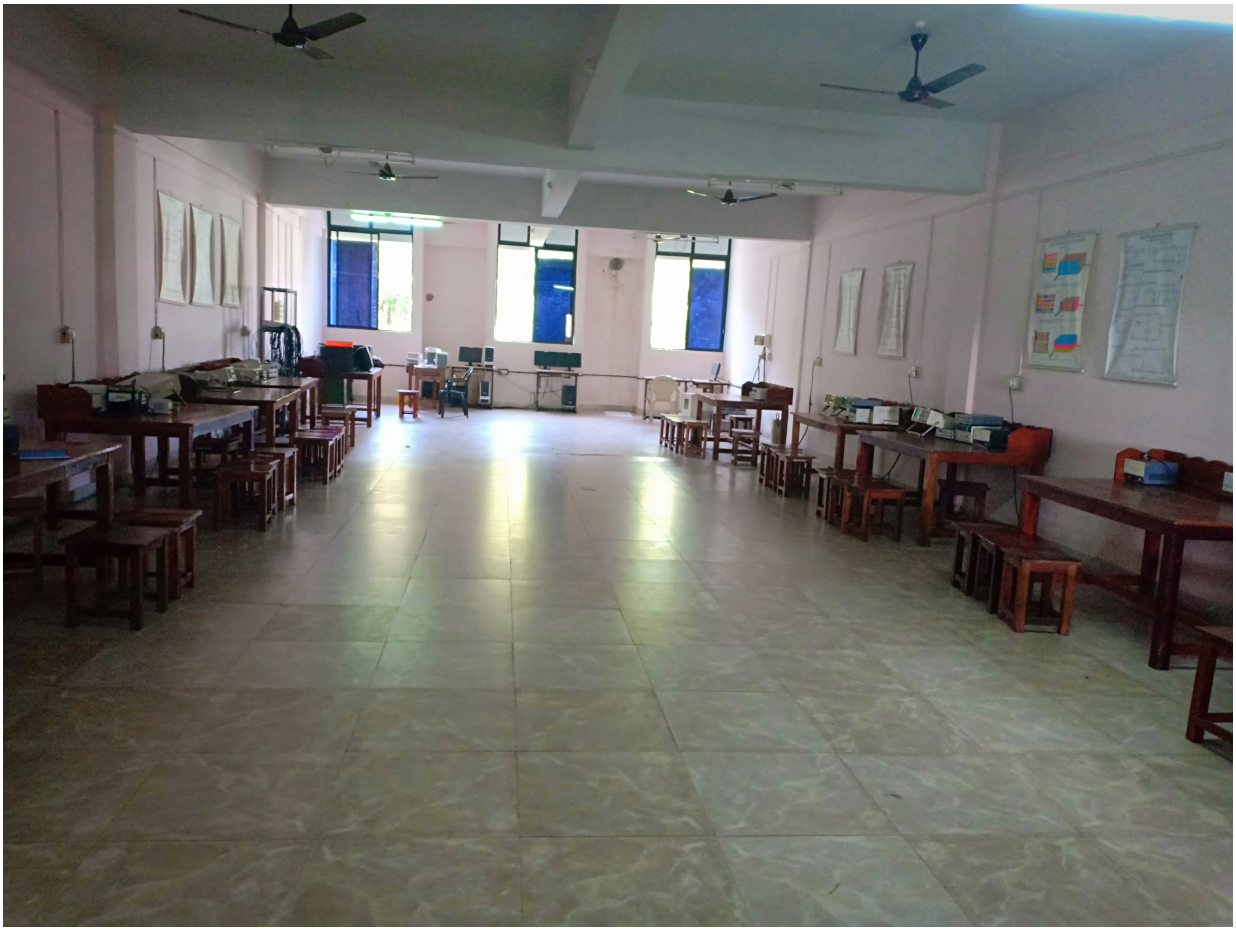
The Digital Logic Lab makes the students understand the fundamentals of digital Electronics. Through experiments, students become familiar with gates, multiplexers, decoders, flip-flops, counters, registers and displays. Explains Boolean logic functions, Describes TTL and CMOS logic, as well as IC logic devices. The Digital Lab is well equipped with all the trainer kits and measuring instruments for the proper setting up of different Digital circuits and experiment. An IC tester is also available in the lab for testing of ICs.

Electronic Circuits Laboratory



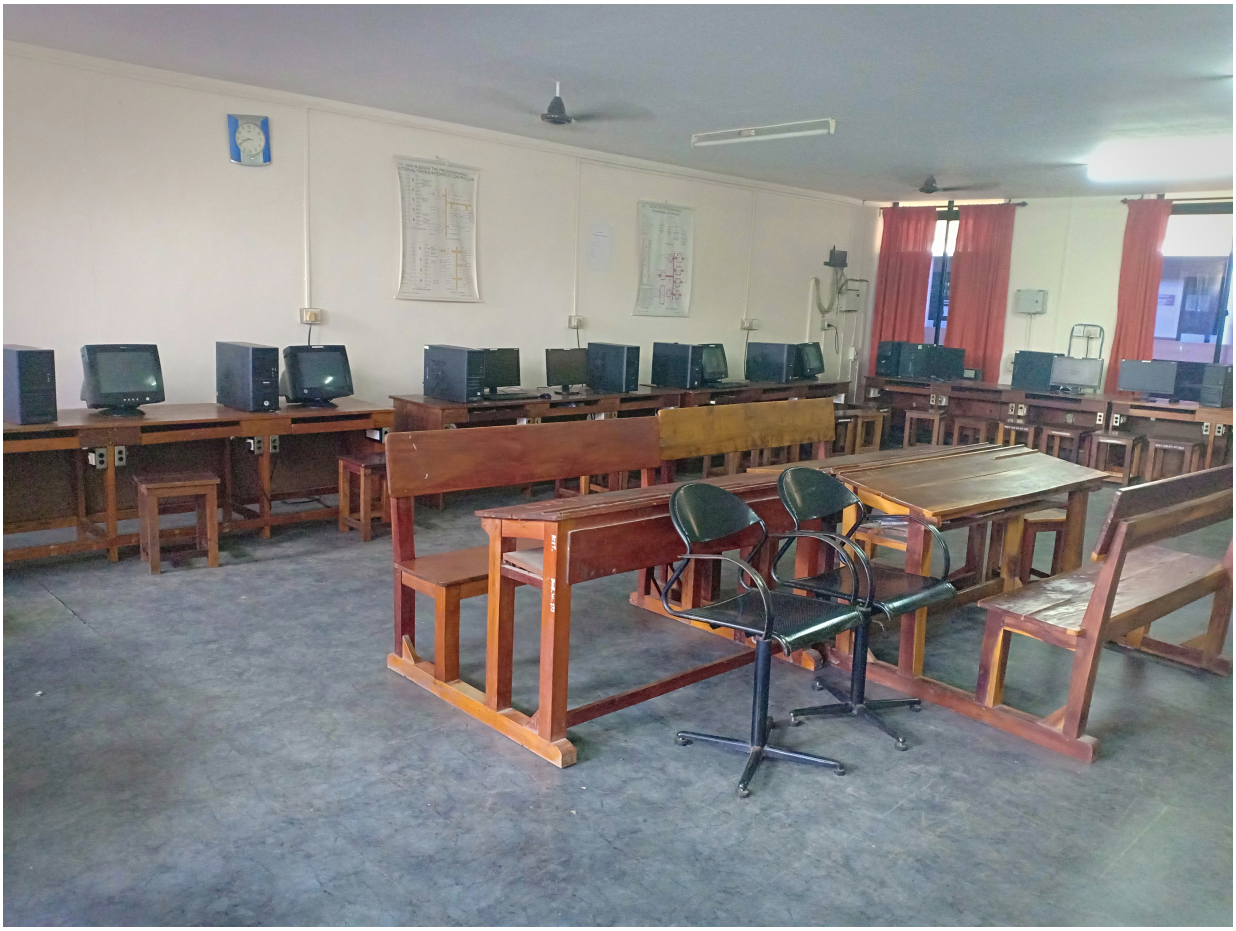
The Lab is well equipped with Signal generating and Measuring instruments. This laboratory introduces a student to the world of electronic circuits and equipments. This laboratory focusses on designing, developing, and testing electronic circuits using test and measuring instruments like cathode ray oscilloscopes, function generators, digital multimeters etc. In this lab, the students will be able to carry out the experiments and analyze the electronic circuits.

Linear Integrated Circuits Laboratory



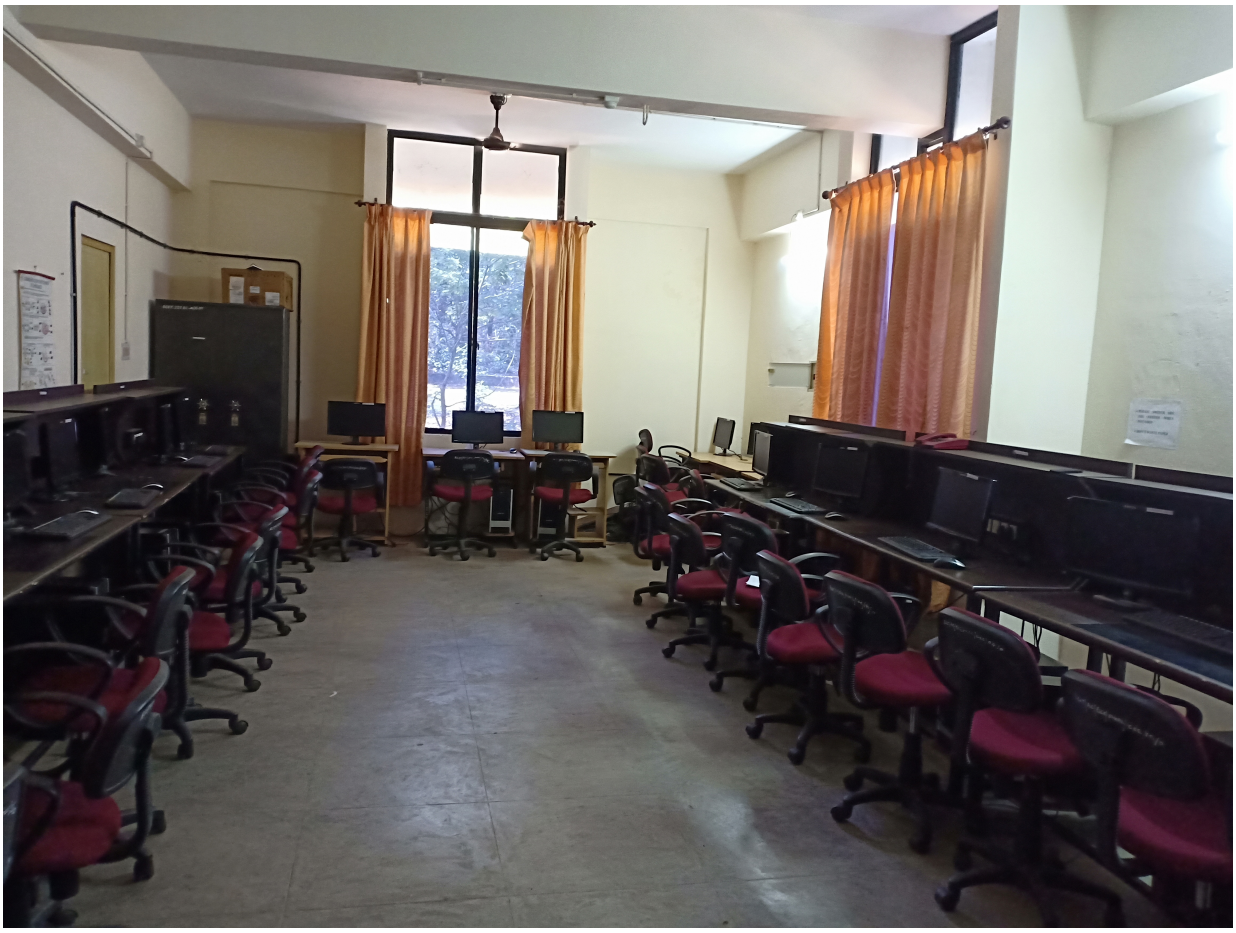
Linear Integrated Circuits (LIC) laboratory focusses on designing and developing electronic circuits using Operational Amplifier & Timer IC. Experiments are carried out for the measurement of various Op-Amp parameters and its applications such as amplifiers, oscillators, filters etc

Microprocessor Laboratory



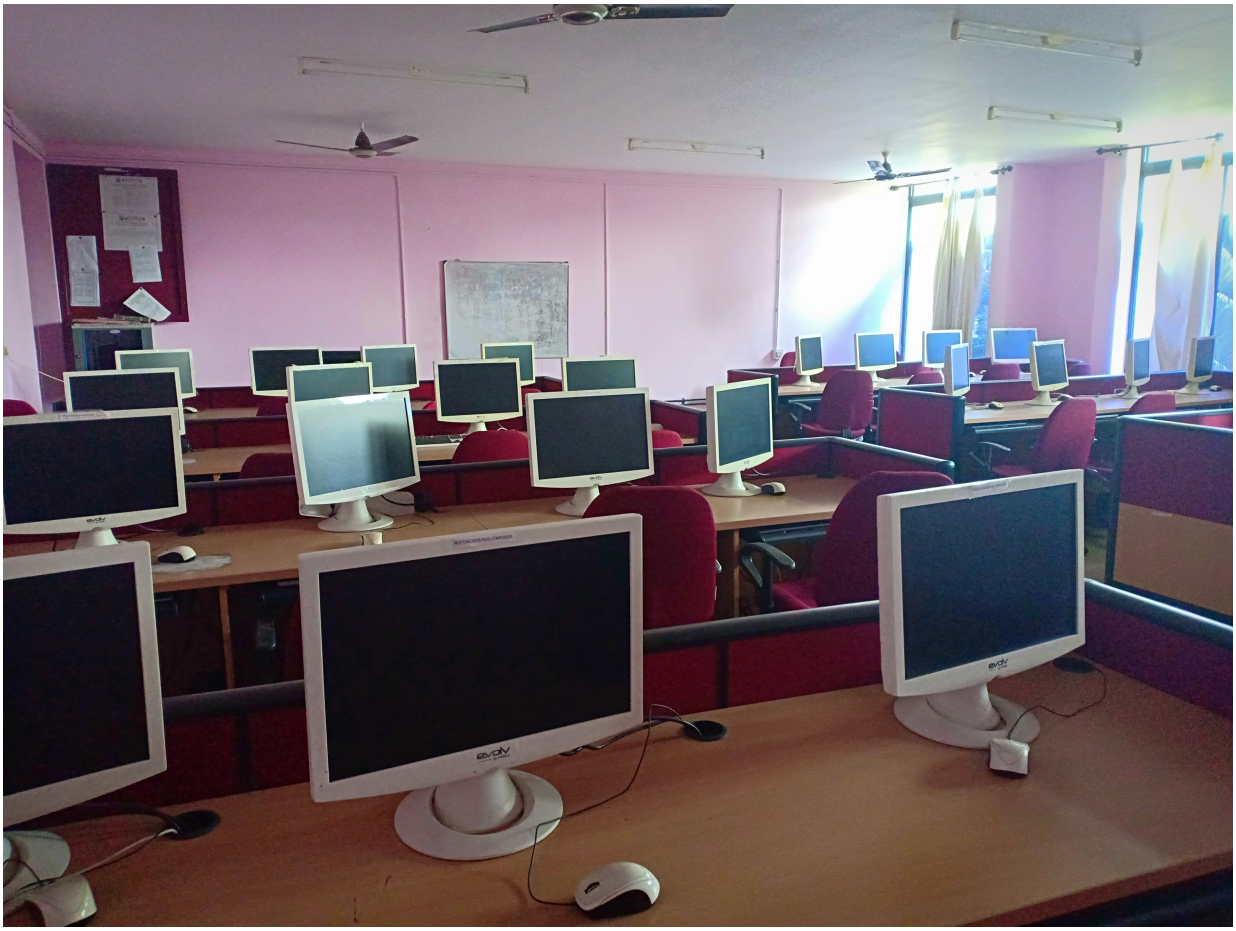
The Microprocessor laboratory is well equipped with various types of Microprocessor, Microcontroller trainer Kits along with interfacing modules to demonstrate the detailed applications of Microprocessors. The purpose of this laboratory is to train the students to be familiar with the software and hardware of microprocessors. Students learn about assembly language programming, CPU, memory and I/O design, interfacing of programmable chips and peripherals such as stepper motors, analog - to - digital and digital - to- analog converters etc. They acquire the practical skills sufficient to design and realize basic microprocessor based systems.

PG / Research Laboratory



This is a well equipped laboratory for research purpose containing 24 advanced and capable computer systems. All systems are installed with advanced simulation tools like "MATLAB, SCILAB, NS2 & Electronic CADD designing tools"

VLSI Laboratory



The VLSI laboratory is well equipped with the most up-to-date industry standard VLSI EDA tools and hardware resources like Xilinx 13.2, Spartan3E & Spartan 6. The laboratory provides hands-on experience to students in the field of analog and digital circuit design.