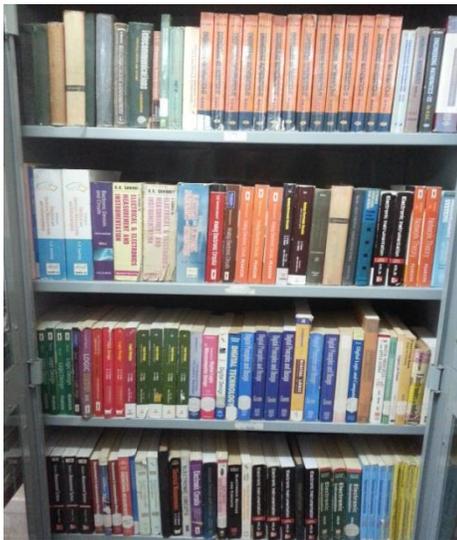


Department Library: The department has got its library exclusively for the department students. The department library is well equipped with more than 1000 text books and reference books, project reports, seminar reports, CDs, and previous years' VTU question papers.



Laboratories: The department has well equipped laboratories with the latest software and hardware facilities required for the fulfillment of the curriculum and also to take up some innovative projects. Brief summary of the laboratory facilities and various equipments available in our department are as follows.

Name of the laboratory and Details	Lab View
<p>Instrumentation Lab: In this lab the students are exposed to various types of sensors and measuring instruments. Students learn the characteristics & calibration of sensors, various bridges and measurement of various physical quantities using sensors.</p>	



Process Control System Lab:

This is an advanced lab in instrumentation where the students will have hands-on experience in designing various signal conditioning circuits to measure/control different parameters. Also the lab includes experiments on PLC programming for realization of bottle filling system.



Analog Lab:

Analog Electronics Lab:

In this lab the students will study the design and operation of basic analog circuits using Diodes, Transistors, JFET and Op-AMPs. The lab is equipped with sufficient number of Power Supplies, Function Generators and Oscilloscopes along with necessary trainer kits.

Analog Integrated Circuits Lab:

In this lab, students will measure the op-amp



parameters, and learn to design the linear and non-linear circuits using op-amps. The lab is equipped with sufficient number of IC trainer kits, IC tester and oscilloscopes.



Digital Lab:

Logic Design Lab:

In this lab students will be trained to implement Boolean expressions and to design various combinational & sequential circuits. The lab is equipped with sufficient number of IC trainer kits, IC tester and oscilloscopes.

Control Systems & Data Converters Lab:

The lab is fully equipped so as to expose students to various techniques of acquiring data from different sensors and analyze them for presenting information either in time domain or frequency domain.



Computer Lab:

The computer lab has 60 advanced computers with necessary licensed software and interfacing equipments so as to conduct the following lab courses.

Digital Signal Processing:

In this lab the students will learn about design & implementation of different algorithms and filters.

Microprocessor & Microcontroller Lab:

In this lab the students will be exposed to



programming microprocessor and microcontroller based computing system and interface them with various input-output devices.

HDL Programming Lab:

Here the students will learn front end designing of circuits and implement them on IC.

