ELECTRONICS LABORATORIES

The department is equipped with two laboratories for supporting the students in their curriculum activities. The laboratories are Electronics Lab.-1 and Electronics Lab-II. The major equipment in the Electronic Lab-1 are Bread board trainers, Experimental trainers, Digital Storage Oscilloscope (DSO), Function generators, well equipped soldering station, etc. Major equipment in Electronics Lab.-II are communication experimental trainers, DSO, function generators, and PCs with intel i-5 core processor, 8GB RAM systems.

Electronics Circuits laboratory:

This laboratory provides a foundation to electronic circuit design to the students. In this laboratory, the experiments on identification and testing of electronic components is included. The use of electronic test instruments is demonstrated. Further, some basic electronics circuits are studied.





Analog Electronics Laboratory

In this laboratory, the students are learning fundamental electronic circuits, such as: the amplifier, oscillator implementation and study of their characteristics. The basic building component of this laboratory is transistor and Op-Amp.



Digital Circuits and System Laboratory

In this laboratory, the students are learning the realization of different fundamental digital electronic circuits. The basic building component of this laboratory is the digital ICs.



Communication Laboratory

In this laboratory, the students are studying the fundamental digital communication techniques, such as: amplitude shift keying, phase shift keying, frequency shift keying, pulse code modulation, Pulse modulation techniques.



Microprocessor and Microcontroller Laboratory

In this laboratory, the students are learning the programing skills using 8085, 8086 microprocessors and different microcontroller based experiments using 8051.



Communication System Laboratory

In this laboratory, the students are studying different advanced communication systems, such as optical communication, satellite communication, OFDM modulation and demodulation techniques.

