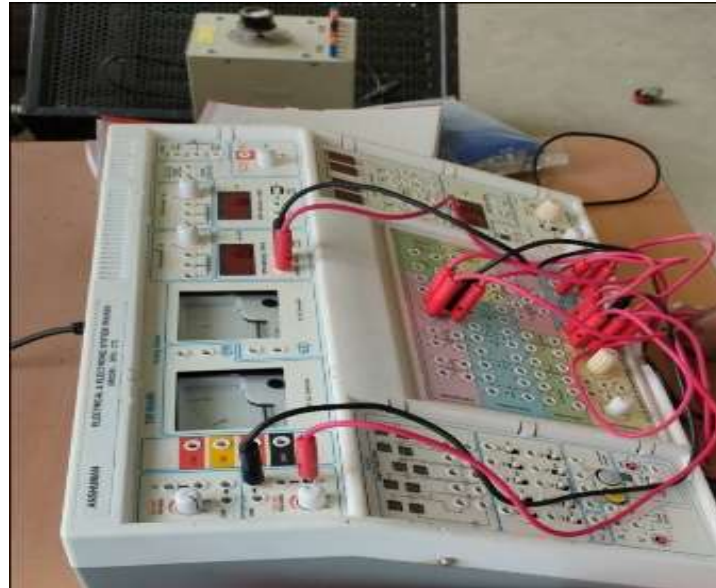


Electronics Device Laboratory / Electronics Circuit Laboratory



In this laboratory, students will be taught about various electronic devices and their use in the electronic industry. Students will be taught to practically implement the theory learnt in class about the use of diodes, transistors, ICs and test different theorems with a hands-on approach.



Laboratory experiments will be performed on oscilloscope, previously called an oscillograph, and informally known as a scope or o-scope, CRO (for cathode-ray oscilloscope), or DSO (for the more modern digital storage oscilloscope), is a **type of electronic test instrument that graphically displays varying signal voltages.**

Microprocessor and Embedded System Laboratory



Students will learn to use 8085 microprocessor for assembly language programming to understand the functioning of Registers, ALU operations, memory transfer operations and other controllers.



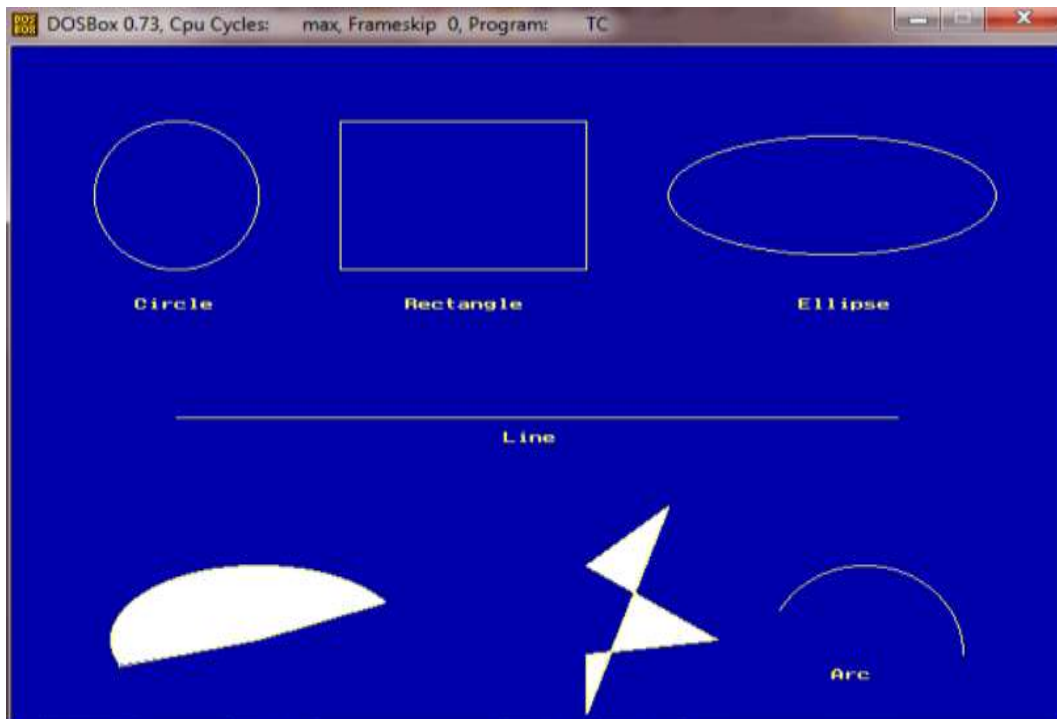
The embedded laboratory will familiarize the students with embedded programming with the help of different devices, sensors, hardware and software components. Students will learn about different embedded systems and their deployment.

Computer Networking Laboratory



The computer networking laboratory will teach the students about how computer networks work and the use of various network devices like routers, switches, bridges and gateways. Students will get hands-on exposure on setting up of local area network and other networking devices.

Data Structure and Computer Graphics Laboratory



The Data Structure and Computer Graphics laboratory will acquaint the students with various data structures in programming and their applications. Students will be taught to implement data structures using C,C++ languages. Computer Graphics will give students knowledge about how to handle graphical elements via programming and other tools. Students will also learn about basics of Animation.

Digital Communication and Information Technology Laboratory

This laboratory will explain students about principles of Digital Communication through experiments and the components involved in digital communication and the use of IT principles involved in digital communication.