

DIPLOMA IN ELECTRONICS & COMMUNICATION ENGINEERING LAB FACILITY

Microcontroller/microprocessor Lab

This lab course introduces the assembly language programming of 8085 microprocessor and 8051 microcontroller. The course objective is to introduce the basic concepts of microprocessor/Microcontroller and to develop in students the assembly language programming skills and real time applications of Microprocessor as well as microcontroller. Hardware equipment includes **Microprocessor/ Microcontroller Trainer with LCD Display, USB interface, EPROM Programmer, ADC, DAC & Power Supply.**

Faculty in-charge of lab:

Er.Aarti Neema



Area of Interest: Microcontroller & Microprocessor



Digital Electronics lab

It is the most important and well equipped lab of the Electronics & communication Engineering. This lab is based on the logics (positive and negative). Here the students verify the performance of the combinational as well as sequential circuits. Hardware equipments include **the Digital Trainer Kit with Bread Board which provides basic facilities essential for conducting simple experiments in the laboratory. The system has an onboard facility of four crystal generated clock output of 1MHz, 100Hz, 10Hz & 1Hz. It has a facility of Single Pulse Generation by push button switch. Four Seven Segment Display with BCD inputs having breadboard area facility of 1200 TIE points.**

Faculty in-charge of lab:

Er.Aarti Neema

Area of Interest: Digital Electronics

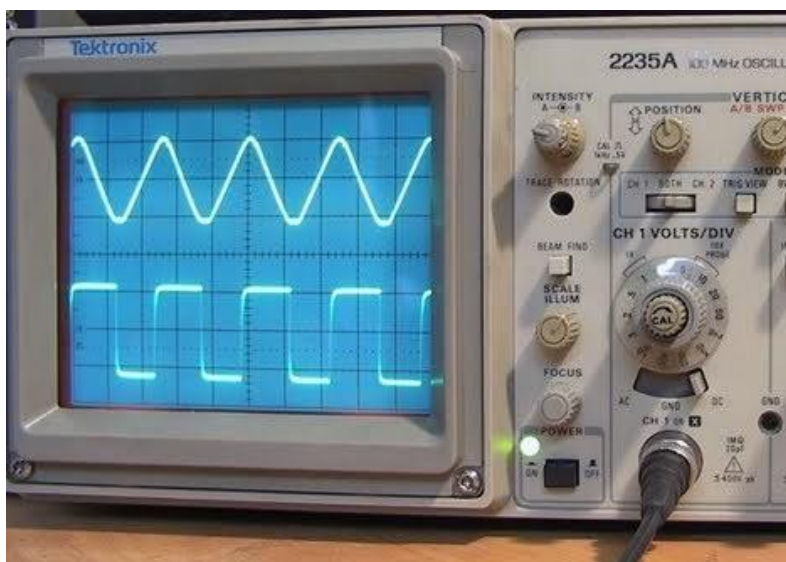
Analog Electronics Lab

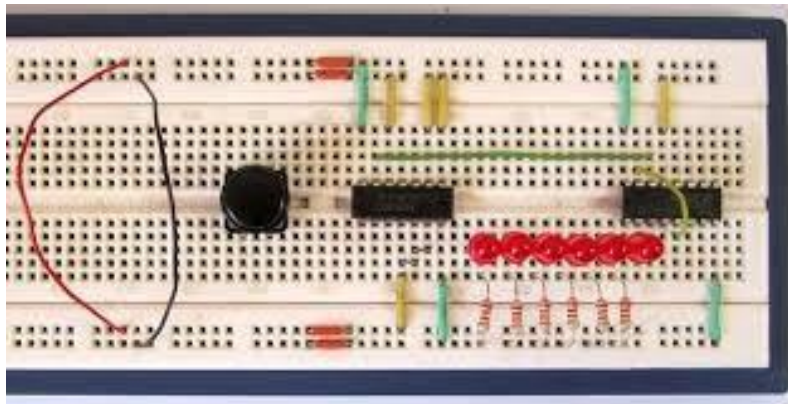
This is the experimental laboratory that explores the design, construction, and verifying of analog electronic circuits. Theory lectures and laboratory experiments investigate the performance characteristics of diodes, transistors, JFETs, and op-amp. The course provides opportunity to simulate real-world problems and solutions that involve tradeoffs and the use of engineering judgment. Engineers from local analog engineering companies come to campus to help students with their design projects. Hardware equipments include CRO, bread board, ICs, connecting wires, power supply, function generators etc.

Faculty in-charge of lab:

Er.Aarti Neema

Area of interest: Electronic devices & Circuits





Analog Integrated circuit Lab

This lab is for undergraduates. Analog integrated circuits laboratory is based on the designing of IC (Op Amp) and passive component based circuit, verification of results on CRO and calculations of various performance parameters. Experiments include summer, differentiator, adder, inverting, non inverting amplifier etc. Hardware equipments include CRO, bread board, ICs, connecting wires, power supply, function generators, passive components etc.

Faculty in-charge of lab:

Er.Aarti Neema

Area of interest: Communication

