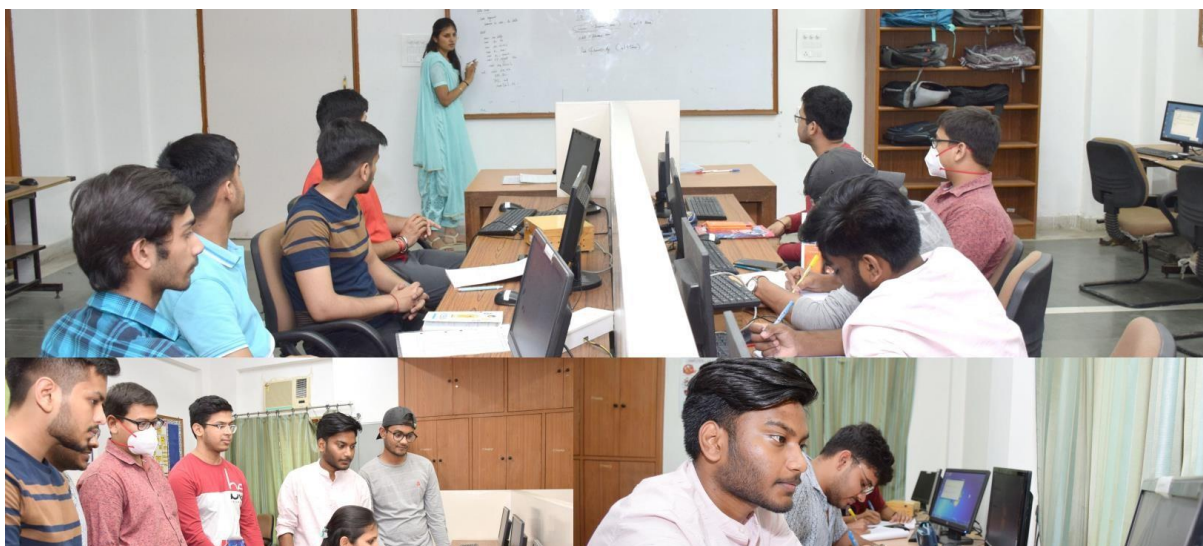


Microprocessors and Microcontrollers Lab

Block No.4, Room No. 417, ECE Dept., MAIT



This Laboratory gives a clear exposure on the theoretical aspect of the subject through laboratory demonstration and experimental setup on various topics. Experiments are designed to elaborate the functions of various microprocessors (8085, 8086) and 8051 (microcontroller) through software and hardware based experiments. The objective of the laboratory is to enhance the practical knowledge of the students by performing experiments based on logical and arithmetic operations and how to interface memory and other peripherals with processors.

A comprehensive lab manual is also provided in the lab to aid the students to perform the experiments with ease and proper understanding. The experiments included in the curriculum covers all the concepts of programming studied in theory. Some additional value added experiments are also included in the end.

Equipment/Tools Available: Computer systems.
8085, 8086, 8051 Trainer Kits.
Interfacing kits for various peripheral devices.
MASM & KEIL Software.