



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EMBEDDED SYSTEM DESIGN LABORATORY

Lab incharge : Mr.S.Mohanraj

Lab instructor : Ms.A.Sakila

Overview:

Microprocessor lab helps the students enhance their knowledge on architecture, programming and interfacing of various micro processors and microcontrollers. Students from other branch of engineering and sciences also utilize this lab and develop their skills in the field of microprocessor and its applications. The features and facilities available in this lab will help the students do their projects and enhance their knowledge about the latest trends and technologies.

The area of laboratory is 87.66 Sq.M

Software details:

- MPLAB Compiler
- KEIL IDE
- IAR Embedded Workbench
- Arduino IDE

Major equipments:

- 8085 Microprocessor trainer
- 8086 Microprocessor trainer (Micro 86/88 LCD)
- 8051 Microcontroller trainer



- Stepper Motor Controller Study Module (VCET 06)
- LVDT Position Trainer (VLPCT 01)
- Microprocessor Based AC motor controller (IIB PEC00A1)
- Microprocessor Based DC motor Controller (IIB PEC 00S1)
- Cathode Ray Oscilloscope
- Microcontroller / EEPROM Programmer
- 8255, 8251/8253, 8279, Stepper motor, DAC, ADC, Traffic Light Controller, LCD, DC Motor, Keyboard, Temperature sensor, Zigbee Interfaces
- ARM 7 CORE Based Microcontrollers (LPC2148/LPC2378)
- PIC 16F877 microcontroller



Snapshot of embedded system design laboratory