Micro controller Lab.

This lab enables students to understand basic concepts and applications of Microcontrollers. Six workstations are available in this lab. Workstation equipment consists of the following:

- 8051 / AT89S51/ PIC16F877A Development Board with USB Programmer
- GPS Receiver, GSM Modem, Real time clock, ADC/DAC board.

Microcontroller provides interfacing external devices to the processor according to the user requirements to create novel products and solutions for the real time problems. The lab consists of six numbers of 8bit Atmega16 and Atmel Microcontroller development board, USB programmer, motion sensor, load cell, ultrasonic distance sensor, temperature sensors, fire flame sensors, accelerometer, gas sensors, proximity sensors and many more sensors. The students get familiarize with the assembly level programming, design circuits for various applications using microcontrollers.

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