Module 5 : Experiments on Microcontrollers

Lecture 43 : Interfacing PIC16F877 Microcontroller with an LCD

Aim

To interface LCD (Displaytech 162A) with PIC16F877microcontroller and to display "IITK" in the Liquid Cryst

Components/Softwares

1. MPLAB IDE (PIC microcontrollers simulator)
2. PIC BURNER 3 with software to load the code
3. LCD (Displaytech 162A)
4. Computer System with Windows operating system and RS 232 cable
5. PIC16F877 Microcontroller
6. +5V D.C Power Supply
7. Resistors - 10K Ω-1,50Ω-1
8. Capacitors - 27 μ F-2
9. Potentiometers - 10K Ω -1
10. 20MHz Crystal oscillator
11. SPST switches -1