**PC Controlled Scrolling Message Display for Notice Board**

The scrolling display board is a common display board used in shopping malls, railway stations, colleges, etc. This board offers an effective means of conveying information to public. However, it is not flexible for updating messages instantly. This system is enhanced to display the latest information on the notice board by using a computer.

The proposed system uses a microcontroller of 8051 family and a regulated power supply. This project uses an EEPROM device for storing the information which is interface to the microcontroller. A PC is connected to the microcontroller with help of a level shifter IC. A 16x2 LCD display interfaced to the microcontroller serving to display the message in a continuous scrolling manner.

Whenever a user wants to update the latest information, he or she can enter the information through the PC hyper terminal. The microcontroller receives that message and displays it on the LCD display, instead of the previous message.

NOTE: The project works only on operating systems with hyper terminal (E.g. Windows XP). The computer must have a RS232 serial port as well.