

Software	:	Embedded C, Keil, Proload
Microcontroller	:	AT89S52
Power Supply	:	+5V, 750mA Regulated Power Supply
Display	:	LED 5mm
Crystal	:	11.0592MHz
Communication Device	:	RF Modules
Input	:	PC Key Board
Applications	:	Colleges, Schools, offices, public utility places,
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ELECTRONIC NOTICE BOARD USING AT89S52

ABSTRACT

Notice Board is primary thing in any institution / organization or public utility places like bus stations, railway stations and parks. But sticking various notices day-to-day is a difficult process. A separate person is required to take care of this notices display. This project deals about an advanced hi-tech notice board.

The project is built around the AT89C52 micro controller from Atmel. This micro controller provides all the functionality of the display and control. It also takes care of creating different display effects for given text.

Matrix type display is designed using 5mm LED on a printed circuit board. A driver circuit is designed to drive all these LEDs. A simple PC key board can be connected to this system to enter the required text or notice. Several scrolling effects can be selected using function keys of keyboard. The scrolling speed of the text also can be changed according to user requirement.

After entering the text, the user can disconnect the keyboard. At any time the user can add or remove or alter the text according to his requirement.

This project uses regulated 5V, 1A power supply. 7805 three terminal voltage regulator is used for voltage regulation. Bridge type full wave rectifier is used to rectify the ac out put of secondary of 230/12V step down transformer.

Block Diagram:

