

## VISITOR COUNTER USING ARDUINO

### **AIM:**

Design and Development of Visitor counter using Arduino.

### **PURPOSE:**

This project yields an effective solution to count the number of visitors visited any particular place/historical place and if any person enters into the place Entry IR sensor activated and count will increase. Exit IR sensor activated while exit any person. The updated count will be displayed on the display unit 16X2 LCD [Liquid Crystal Display]. IR sensor has both transmitter and receiver pair. IR transmitter continuously emits the IR rays and the receiver activated when the IR rays fall on it. Here the project title is visitor counter using Arduino.

### **DESCRIPTION:**

This project includes two IR sensors connected to Arduino digital pins.

### **WORKING:**

We will fix these Two IR sensors at entry and exit of any hall or auditoriums. Whenever the sensor [IR receiver] at the entrance is activated the count corresponding to the number of people inside the room will be increased and in opposite case if IR receiver at the exit is activated and count will be decreased and visitor count will be displayed on 16X2 LCD display

## TECHNICAL SPECIFICATIONS:

### HARDWARE:

Microcontroller	:	Arduino Uno
LCD	:	16X2 LCD Display
Crystal	:	16 MHz
Obstacle Sensor	:	IR sensor DC 5V
Power Source	:	12v 2 amp Adaptor

### SOFTWARE:

Arduino IDE  
Proteus based circuit diagram

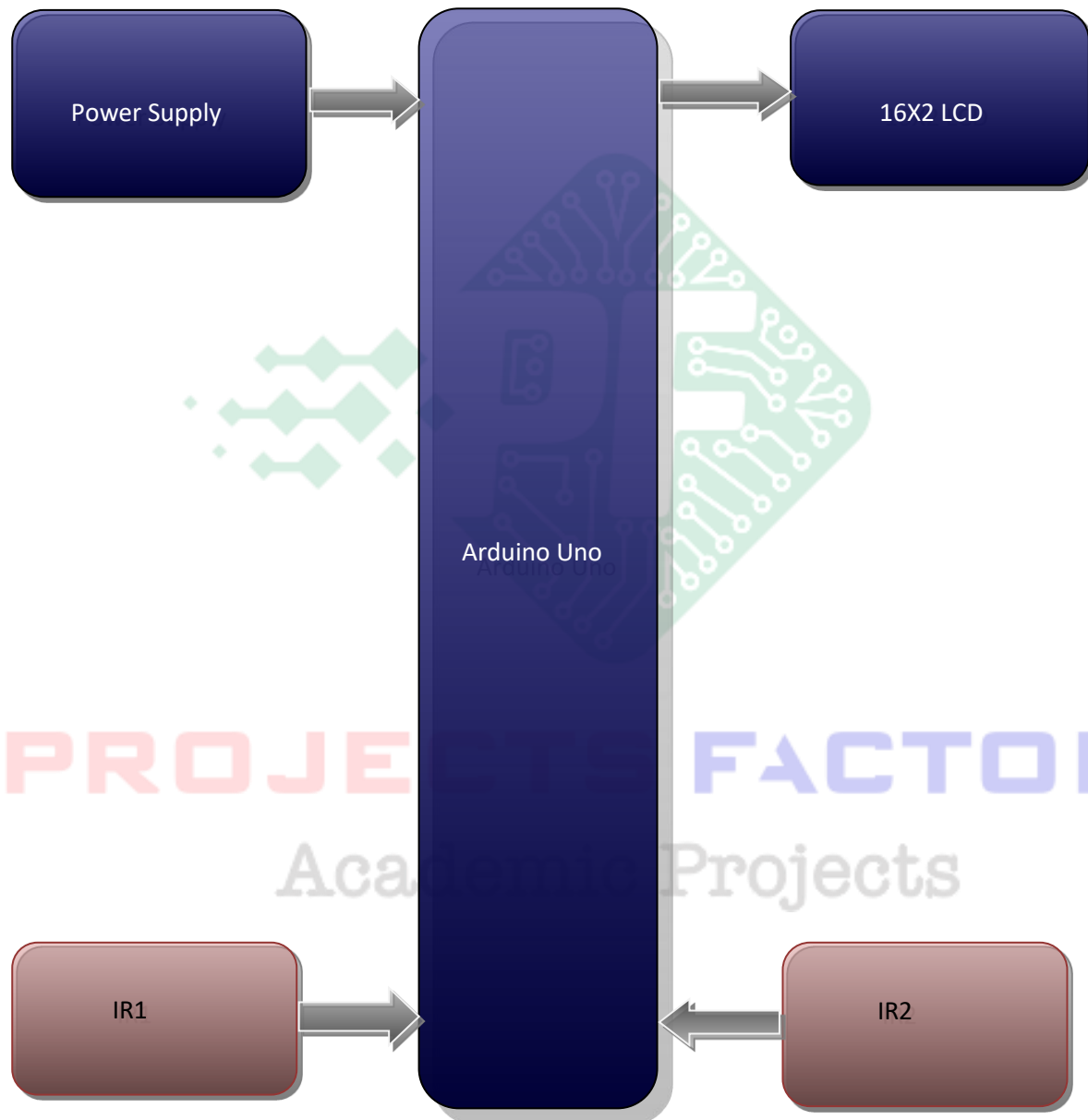
### APPLICATIONS:

- Visitor Counter Applications

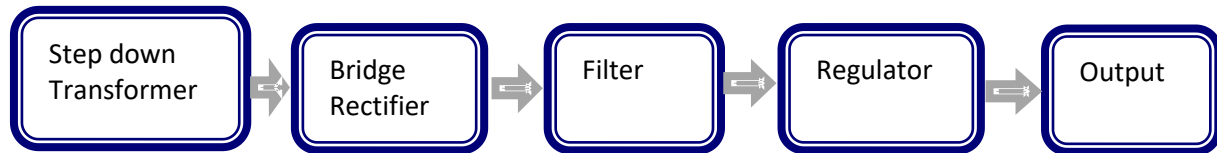


**PROJECTS FACTORY**  
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**BLOCK DIAGRAM:**



## POWER SUPPLY BLOCKDIAGRAM:



## INTERFACES COVERED:

- Two IR sensors interface

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