**REQUIREMENTS**

Components

1. Atmega 328 microcontroller

2. Voltage sources

3. Push button

4. Resistor

5. Led

6. Power supply

7.Simuide software

Circuit connections :

A door sensor is connected to bit 1 of port b,and an led is connected to bit 6 port c. the door sensor of AVR C program to monitor the door sensor and, when it opens, turns on the LED without changing the state of other pins