

IOT Lab - 5th Sem

Name : Rajath MK , USN : 1BM18CS079

Program No : 10

Program Title : Distance Measure Using ultrasound sensor

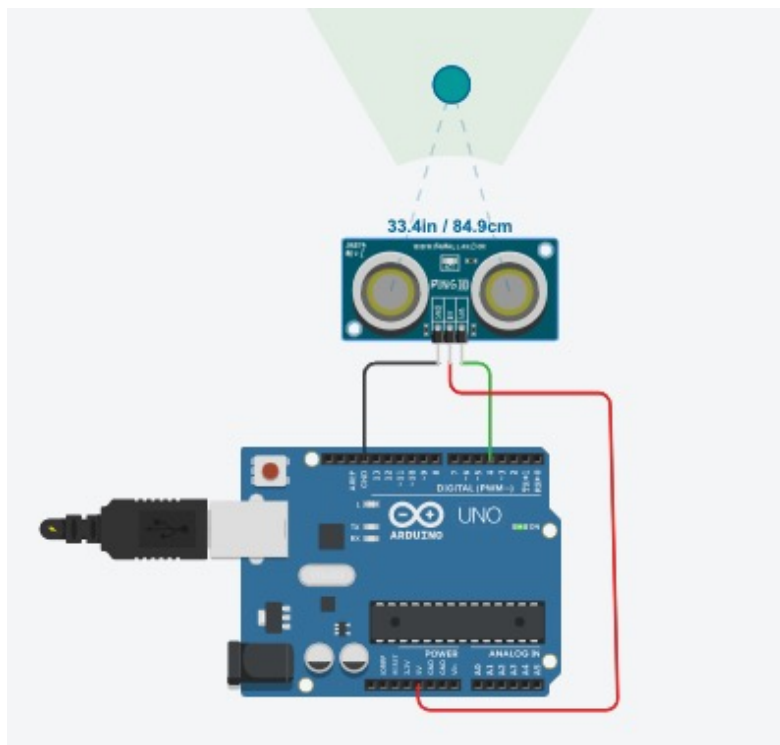
Aim :

To turn on the LED and Buzzer upon detecting a fire.

Hardware Required :

- Arduino Uno Board
- Led Bulb
- Resistors - 240 ohm x2
- Ultrasound Sensor
- Jump wires

Circuit Diagram :



Written Code :

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```
float cm;  
float inches;  
float pulse;  
  
void setup() {  
    serial.begin(9600);  
}  
  
void loop() {  
    pinMode(4, INPUT);  
    pulse = pulseIn(4, HIGH);  
    inches = pulse / 147;  
    cm = inches * 2.54;  
    serial.print("in, ");  
    serial.print(cm);  
    serial.print("cm,");  
    serial.println();  
    delay(500);  
}
```

Observation / Output :

Distance was detected using Ultrasound sensor.