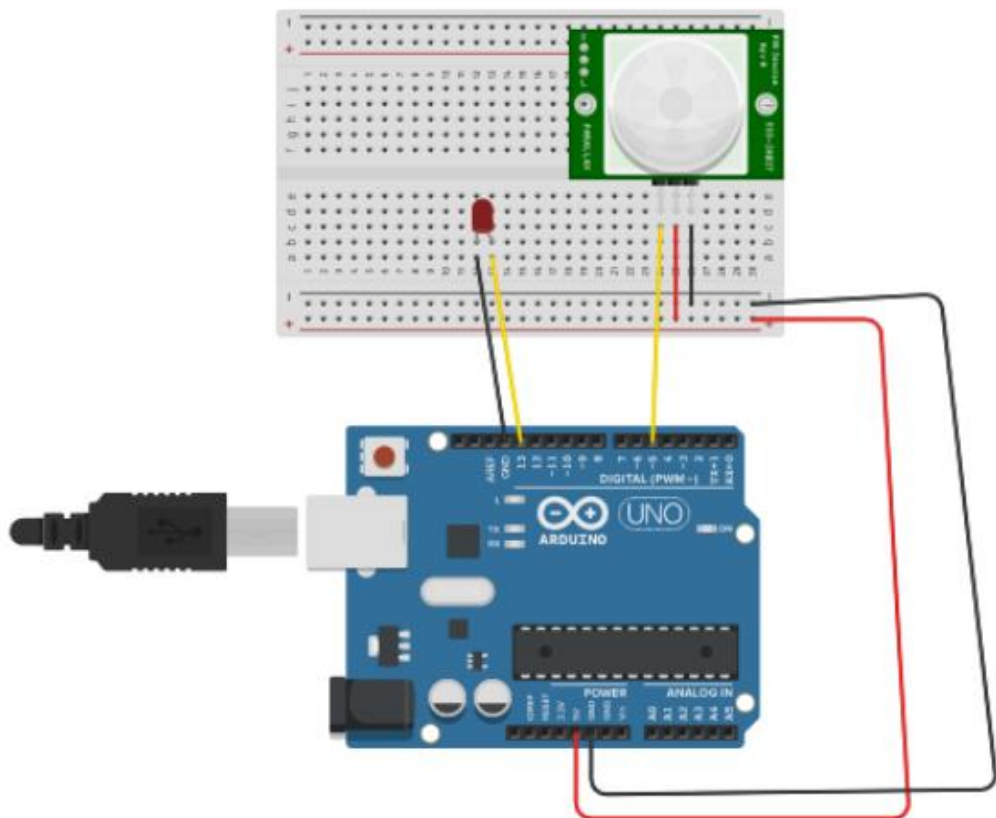# Motion Detection Sensor

## Harsha R

## 1BM18CS034

**Aim** :  To detect motion and switch on an L.E.D when motion is detected

## Circuit Diagram

**Handwritten Code**

Passive infrared Sensor
(PIR)

Harsha R
1BM1PCS035

```
int sensor = 5;
int led    = 13;

void setup()
{
    Serial.begin(9600);
    pinMode(led, OUTPUT);
    pinMode(sensor, INPUT);
}

void loop() {
    if (digitalRead(sensor) == HIGH)
    {
        digitalWrite(led, HIGH);
        Serial.println("Person detected");
    }
    else {
        digitalWrite(led, LOW).
        Serial.println("Person not detected");
    }
}
```

①

## Observation/Output:

The L.E.D is lit when the P.I.R sensor detects motion.