Name – Parag Gattani

Program No. – 09

Program Title – PIR
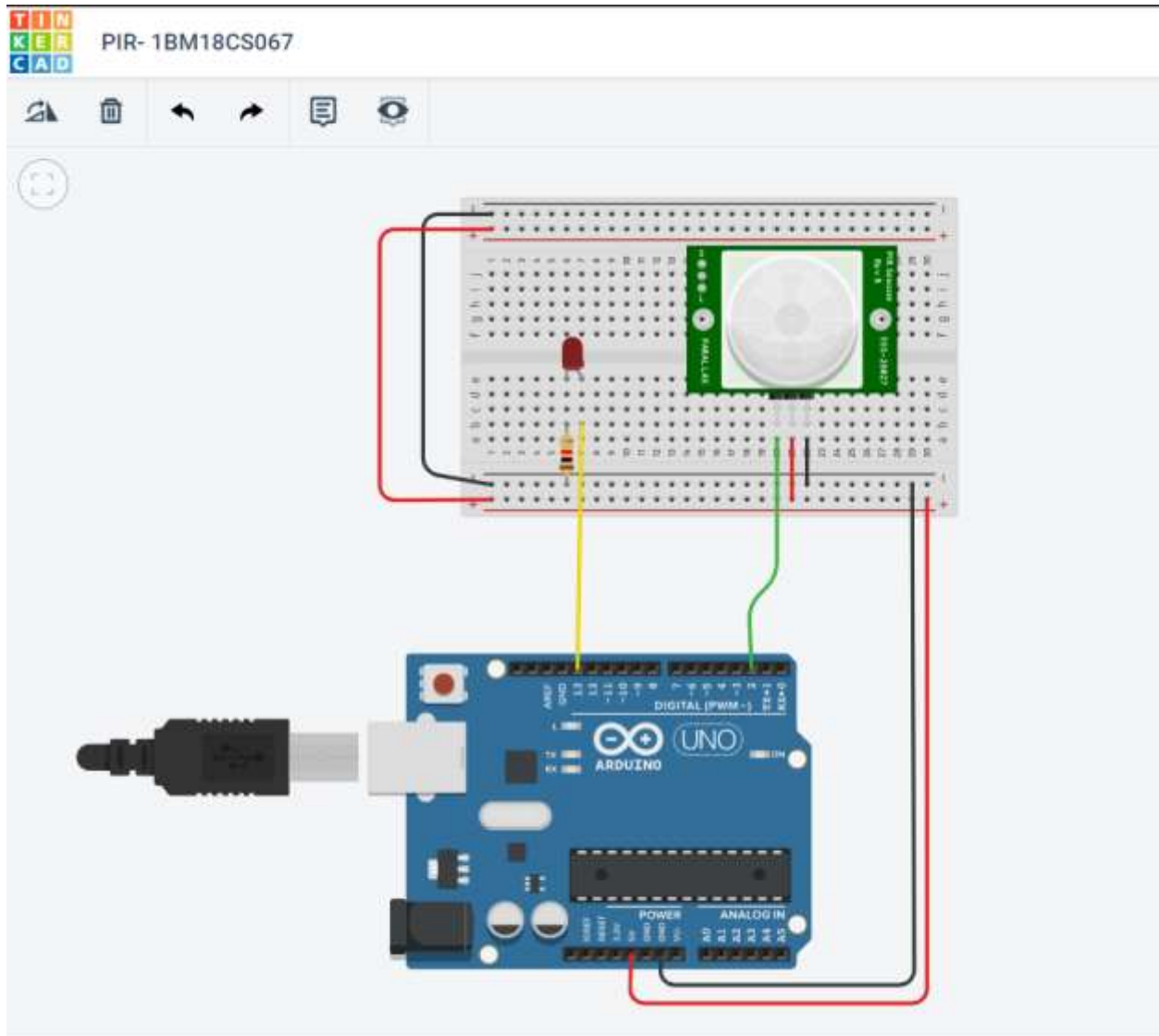

AIM

   Demonstrate to show working of PIR sensor.

HARDWARES REQUIRED

- Arduino Board
- PIR sensor
- Resistor
- LED pin
- Breadboard Small

CIRCUIT DIAGRAM

WRITE-UP

Name - Parag Gattani
USN - 18M18CS067

30/09/2020

Exp. 7

Aim :-
Demonstrate to show the working of PIR sensor.

Hardware Required :-
LED Pin, Arduino Board, Breadboard, Resistor, PIR Sensor.

Code :-

```
int sensorState = 0;
void setup()
{
    pinMode (2, INPUT);
    pinMode (13, OUTPUT);
    Serial.begin (9600);
}

void loop()
{
    sensorState = digitalRead (2);
    if (sensorState == HIGH)
    {
        digitalWrite (13, HIGH);
        Serial.println (" Sensor activated");
    }
    else
    {
        digitalWrite (13, LOW);
    }
    delay (10);
}
```

CODE

```
int sensorState = 0;

void setup()

{

  pinMode(2, INPUT);

  pinMode(13, OUTPUT);

  Serial.begin(9600);

}

void loop()

{

  sensorState = digitalRead(2);

  if (sensorState == HIGH) {

    digitalWrite(13, HIGH);

    Serial.println("Sensor activated!");

  } else {

    digitalWrite(13, LOW);

    Serial.println("Sensor deactivated!");


  }

  delay(5); }
```

OUTPUT

Designed a system to show working of PIR Sensor.