project development phase

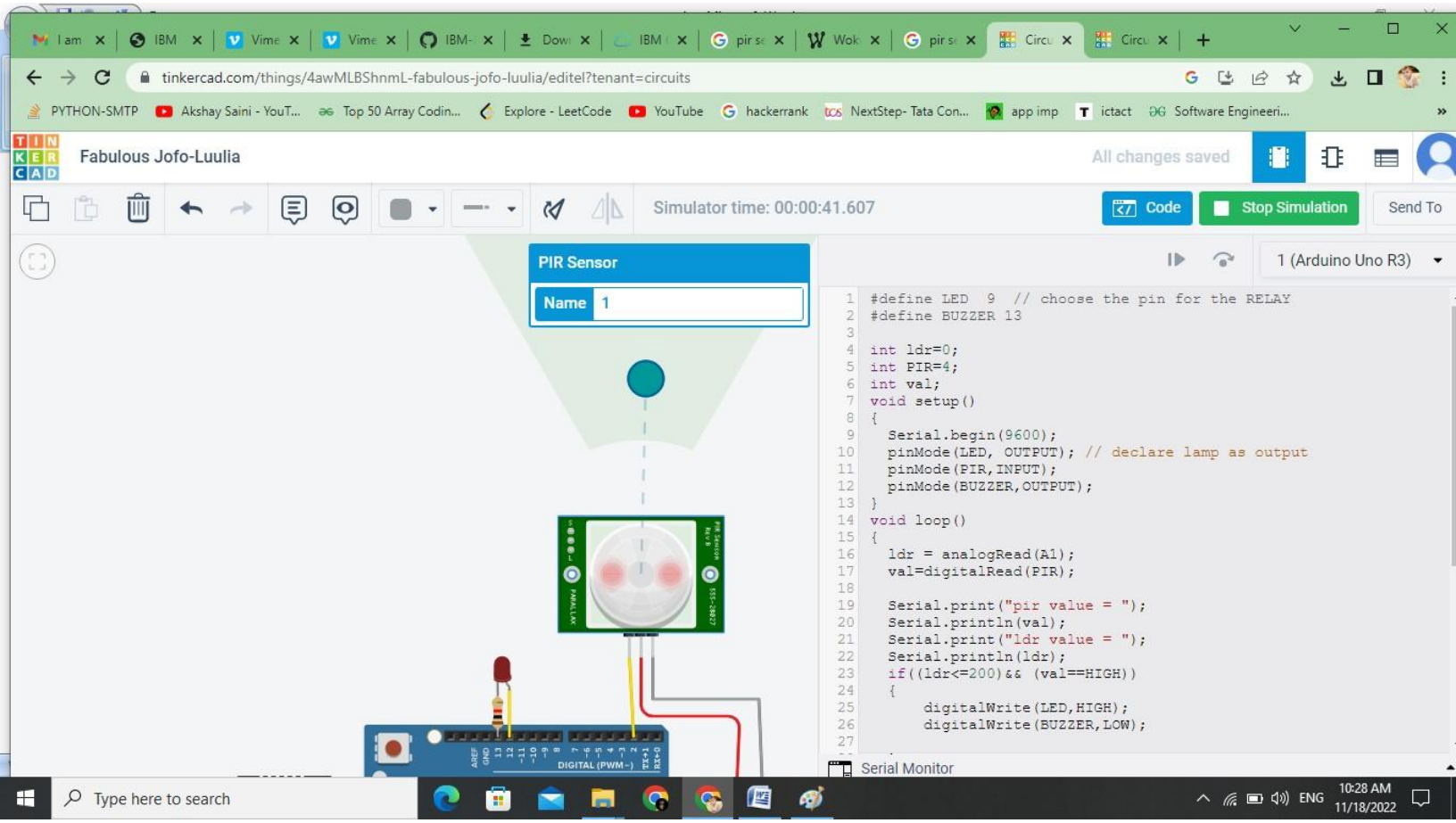
sprint 4

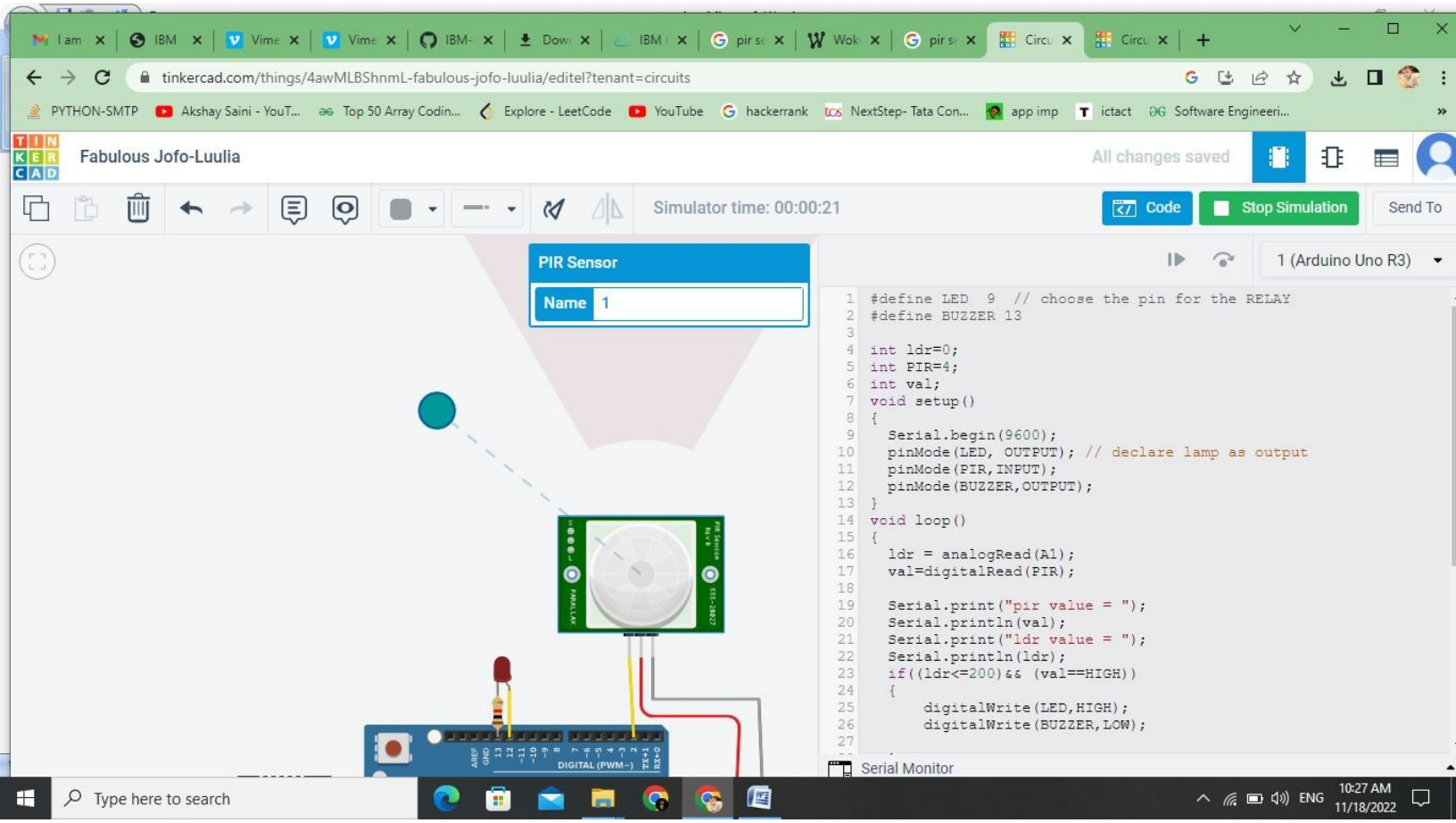
Date	14 NOV 2022
Team ID	PNT2022TMID25229
Project Name	IOT Based Smart Crop Protection System For Agriculture

To detect a animal in agriculture by using PIR sensors code:

```
#define LED  9  // choose the pin for the RELAY
#define BUZZER 13

int ldr=0; int
PIR=4; int
val; void
setup()
{
 Serial.begin(9600);
 pinMode(LED, OUTPUT); // declare lamp as output
 pinMode(PIR,INPUT);
 pinMode(BUZZER,OUTPUT);
}
void loop()
{
 ldr = analogRead(A1);
 val=digitalRead(PIR);

 Serial.print("pir value = ");
 Serial.println(val);
 Serial.print("ldr value = ");
 Serial.println(ldr);
 if((ldr<=200)&& (val==HIGH))
 {
    digitalWrite(LED,HIGH);
    digitalWrite(BUZZER,LOW);
```

```
}

else if((ldr>=200)&& (val==HIGH))
{
digitalWrite(BUZZER,HIGH);
digitalWrite(LED,LOW);
}
else {
   digitalWrite(LED,LOW);
   digitalWrite(BUZZER,LOW);
}
   delay(300);
}
```




tinkercad.com/things/4awMLBShnmL-fabulous-jofo-luulia/editel?tenant=circuits
Fabulous Jofo-Luulia
All changes saved
Simulator time: 00:00:21
Code
Stop Simulation
Send To
PIR Sensor
Name 1
1 (Arduino Uno R3)
#define LED 9 // choose the pin for the RELAY
#define BUZZER 13
int ldr=0;
int PIR=4;
int val;
void setup()
{
Serial.begin(9600);
pinMode(LED, OUTPUT); // declare lamp as output
pinMode(PIR,INPUT);
pinMode(BUZZER,OUTPUT);
}
void loop()
{
ldr = analogRead(A1);
val=digitalRead(PIR);
Serial.print("pir value = ");
Serial.println(val);
Serial.print("ldr value = ");
Serial.println(ldr);
if((ldr<=200)&& (val==HIGH))
{
digitalWrite(LED,HIGH);
digitalWrite(BUZZER,LOW);
Serial Monitor
Type here to search
ENG
10:27 AM
11/18/2022