

SPRINT 1

DATE	14 november 2022
TEAM ID	PNT2022TMID41353
PROJECT NAME	IOT BASED SMART CROP PROTECTION FOR AGRICULTURE
MAXIMUM MARK	20 MARKS

PROGRAM:

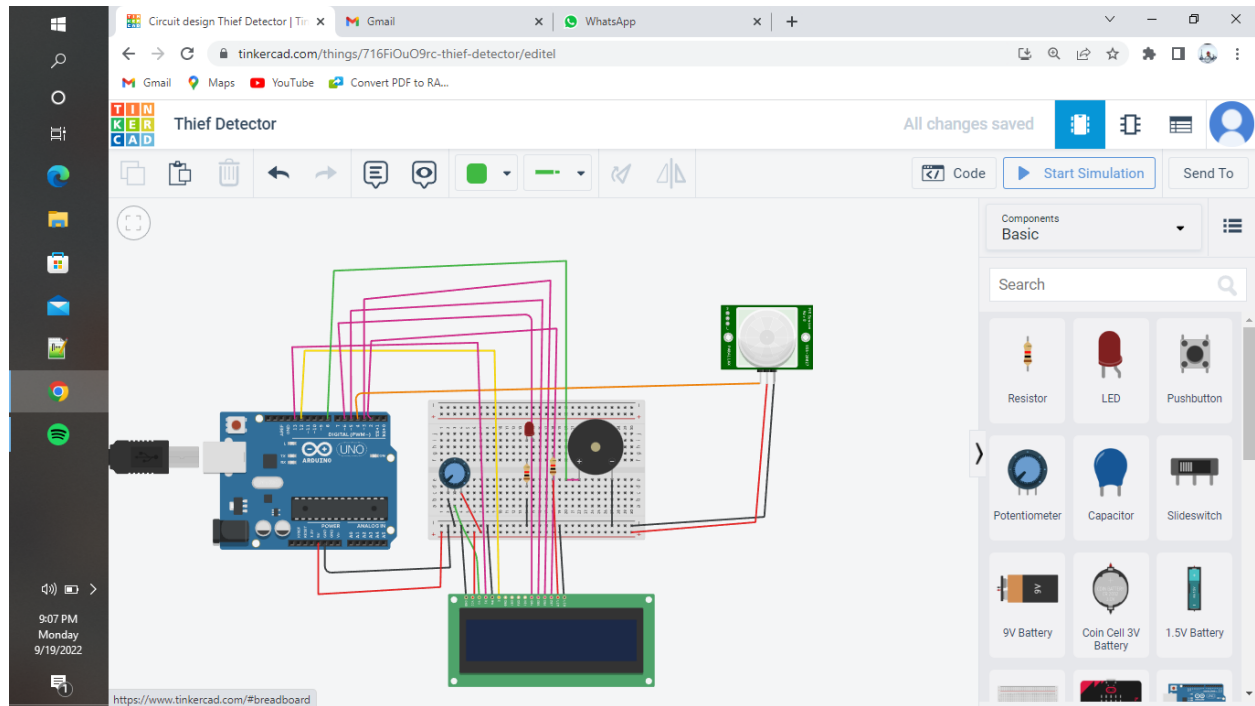
```
#include LiquidCrystal lcd(13,12,6,5,3,2);
int led=7;
int PIR=4;
int buzzer=8;
int PIRstatus;
void setup()
{
  lcd.begin(16,2);
  pinMode(led, OUTPUT);
  pinMode(buzzer, OUTPUT);
  pinMode(PIR, INPUT);
  lcd.clear();
}
void loop()
{
  PIRstatus=digitalRead(PIR);
  if (PIRstatus==HIGH)
  {
    lcd.clear();
  }
  void loop()
```

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```
{
  PIRstatus=digitalRead(PIR);
  if (PIRstatus==HIGH)
  {
    lcd.clear();
    digitalWrite(led, HIGH);
    digitalWrite(buzzer, HIGH);
    digitalWrite(buzzer, HIGH);
    tone(buzzer, 300, 10000);
    lcd.setCursor(0,1);
    lcd.print("ALERT");
    delay(7000);
    lcd.clear();
  }
  else
  {
    lcd.setCursor(0, 0);
    lcd.print("SAFE");
    digitalWrite(led, LOW);
    digitalWrite(buzzer, LOW);
  }
  delay(1000);
}
```

OUTPUT:

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PURPOSE:

This will be used to sense the animal or any other object through the sensor and it will connect to the Arduino. Any animal or object they will start up to alarm sound and the LED will be on.