

SPRINT 1

DATE	14 November 2022
TEAM ID	PNT2022TMID04713
PROJECT NAME	IOT BASED SMART CROP PROTECTION FOR AGRICULTURE
MAXIMUM MARK	20 MARKS

PROGRAM:

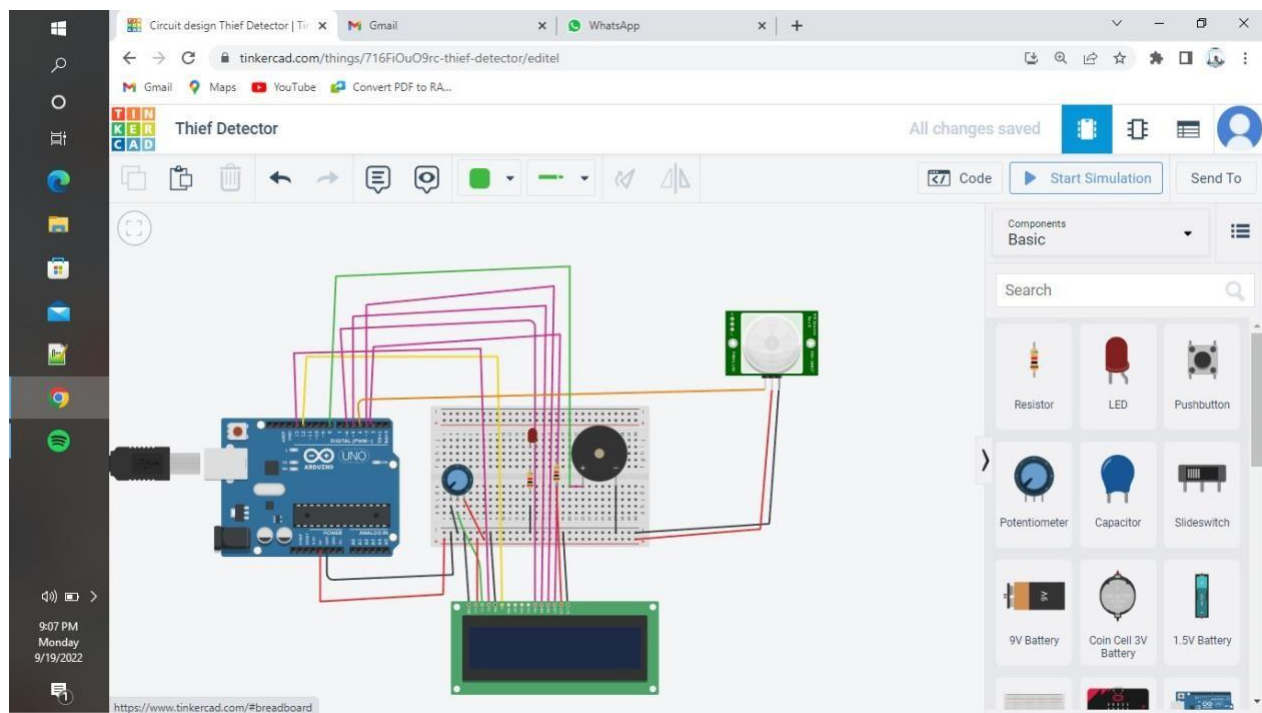
```
#include LiquidCrystal lcd(13,12,6,5,3,2);int led=7;
int PIR=4;
int buzzer=8;
int PIRstatus;
void setup()
{
  lcd.begin(16,2);
  pinMode(led, OUTPUT);
  pinMode(buzzer, OUTPUT);
  pinMode(PIR, INPUT);
  lcd.clear();
}
void loop()
{
  PIRstatus=digitalRead(PIR); if
  (PIRstatus==HIGH)
  {
    lcd.clear();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



PURPOSE:

Through the sensor and a connection to the Arduino, this will be utilized to detect animals or any other thing. Any animal or object will cause them to start alarming, and the LED will turn on.