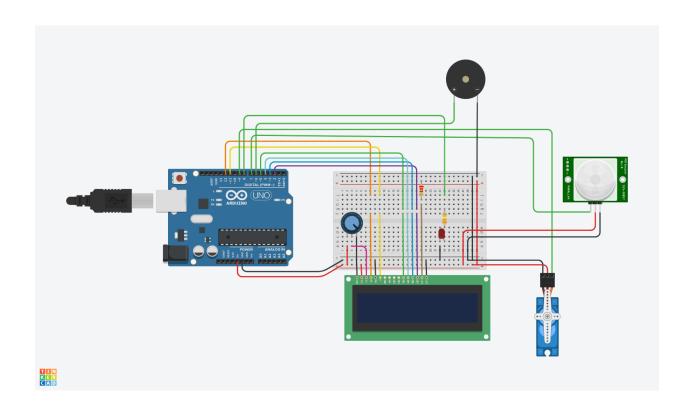
## Project

## Drowsiness detection and alerting system



## Code

#include <Servo.h>

#include <LiquidCrystal.h>

Servo servo;

LiquidCrystal lcd(12, 11, 5, 4, 3, 2);

```
const int PIRpin=7;
const int buzzerPin=6;
const int ledPin=8;
int sensorValue = 0;
long duration, distance;
void setup()
{
Serial.begin(9600);
servo.attach(9);
servo.write(0);
pinMode(PIRpin, INPUT);
pinMode(buzzerPin, OUTPUT);
 pinMode(ledPin, OUTPUT);
lcd.begin(16, 2);
lcd.setCursor(0, 0);
lcd.print("DRIVER DROWSINESS");
lcd.setCursor(3, 1);
lcd.print("DETECTOR");
delay(2000);
}
```

```
void loop()
{
 lcd.begin(16, 2);
 lcd.setCursor(0, 0);
 lcd.print("DRIVER DROWSINESS");
 lcd.setCursor(3, 1);
 lcd.print("DETECTOR");
 delay(500);
 if(digitalRead(PIRpin)==1)
 {
  lcd.clear();
  lcd.setCursor(1, 0);
  lcd.print("Driver Drowsy !");
  lcd.setCursor(0, 1);
        digitalWrite(buzzerPin,HIGH);
  digitalWrite(ledPin,HIGH);
  delay(500);
  digitalWrite(ledPin,LOW);
  delay(500);
  digitalWrite(ledPin,HIGH);
  delay(500);
  digitalWrite(ledPin,LOW);
  delay(500);
```

```
digitalWrite(buzzerPin,LOW);
servo.write(90);
delay(5000);
servo.write(0);
}
```