#include <LiquidCrystal\_I2C.h> // Library for LCD

LiquidCrystal\_I2C lcd = LiquidCrystal\_I2C(0x27, 16, 2); // Change to (0x27,16,2) for 16x2 LCD.my address is (0x3F)

#define buzzer 8

#define motor 7

#define panic 3

Int water = 2;

Int trigPin = A1;

Int echoPin = A0;

Long distance;

Long distanceInch;

Long duration;

Void setup()

{

pinMode(trigPin, OUTPUT);

pinMode(echoPin, INPUT);

pinMode(buzzer,OUTPUT);

pinMode(motor,OUTPUT);

pinMode(panic, INPUT);

pinMode(water, INPUT);

lcd.setCursor(0,0);

lcd.print(“THIRD EYE FOR”);

lcd.setCursor(0,1);

lcd.print(“BLIND USING IOT”);

delay(2000);

}

Void loop()

{

ULTRASONIC();

Lcd.clear();

Lcd.setCursor(0,0);

Lcd.print(“DISTANCE CM:”);

Lcd.print(distance);

Lcd.setCursor(0,1);

Lcd.print(“DISTANCE INCH:”);

Lcd.print(distanceInch);

Serial.println(distance);

Delay(500);

If (distanceInch < 15)

{

Lcd.clear();

Delay(500);

digitalWrite(motor, HIGH);

delay(1000);

digitalWrite(motor, LOW);

delay(1000);

lcd.setCursor(0,0);

lcd.print(“OBJECT DETECTED”);

beep();

beep();

beep();

beep();

beep();

delay(500);

Serial.println(“sensornewgsm.php?client=iot2k23130&s1=OBJECT\_DETECTED&s2=NA&s3=NA&s4=NA&s5=NA&sms=NO&msg=NA”);

digitalWrite(motor, HIGH);

delay(3000);

digitalWrite(motor, LOW);

delay(1000);

}

If ( digitalRead(panic)==HIGH)

{

Lcd.clear();

Lcd.setCursor(0,0);

Lcd.print(“NEED HELP…”);

Delay(2000);

Serial.println(“sensornewgsm.php?client=iot2k23130&s1=NA&s2=ALERT&s3=NA&s4=NA&s5=NA&sms=NO&msg=I%20AM%20IN%20TROUBLE%20NEED%20HELP”);

Delay(1000);

Beep();

Beep();

Beep();

Beep();

Beep();

Delay(1000);

Lcd.clear();

}

If ( digitalRead(water)==HIGH)

{

Lcd.clear();

Lcd.setCursor(0,0);

Lcd.print(“WATER DETECTED”);

Beep();

Beep();

Beep();

Beep();

Beep();

Delay(2000);

Serial.println(“sensornewgsm.php?client=iot2k23130&s1=NA&s2=NA&s3=ALERT&s4=NA&s5=NA&sms=NO&msg=NA”);

Delay(2000);

Lcd.clear();

}

}

Void ULTRASONIC()

{

digitalWrite(trigPin, LOW);

delayMicroseconds(2);

digitalWrite(trigPin, HIGH);

delayMicroseconds(10);

digitalWrite(trigPin, LOW);

duration = pulseIn(echoPin, HIGH);

distance = duration\*0.434/12;

distanceInch = duration\*1.0133/15;

}

Void beep()

{

Tone(buzzer, 100000,5000);

Delay(750);

noTone(buzzer);

delay(7500);

}