TEAM ID : NM2023TMID06779

PROJECT NAME: IOT based adaptive street light system

#include <LiquidCrystal.h>

// initialize the library with the numbers of the interface pins

LiquidCrystal lcd(8, 9, 10, 11, 12, 13);

Int irPin = 2; // IR pin

Int LED = 3; // LED pin

Int buzzerPin = 4; //Buzzer pin

Int sensorOut = LOW; // Initialize

Void setup () {

// set up the LCD’s number of columns and rows:

Lcd.begin(16, 2);

pinMode(irPin, INPUT);

pinMode(LED, OUTPUT);

pinMode(buzzerPin, OUTPUT); TEAM ID : NM2023TMID06779

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Serial.begin(9600);

}

Void loop() {

sensorOut = digitalRead(irPin);

if (sensorOut == LOW)

{

Serial.println(“No Obstacle!”);

Lcd.clear();

Lcd.print(“No Obstacle!”);

digitalWrite(LED, LOW);

digitalWrite(buzzerPin, LOW);

}