

TEAM ID : NM2023TMID06783

PROJECT NAME : IOT BASED ADAPTIVE STREET LIGHTING 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);
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);
}
Else
{
Serial.println("Somebody there!");
```