

**Digital logic design**

**Cen-120**

**Project Proposal**

**“IR OBSTACLE SENSOR”**

**Class: BSCS 2A**

**Semester: 2ND**

**Lab Teacher: Mohammad Zohaib Sohail .**

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**Group Members:**

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**Introduction:**

In this project we are going to make a Obstacle sensor without the Help of any Microcontroller. Obstacle sensor have many uses . since we are not using any microcontroller , so this project is cheaper also. Most importantly we can extend this project to Fire alarm system etc. Only thing we have to do is to change the sensor.

The components we used in this project are as follows :

1. Breadboard(1\*1)

2. IR sensor(1\*1)

3. NPN transistor(1\*1)

4. Resistor(300ohm,10k ohm)

5. Buzzer(1\*1)

6. Led(1\*1)

7. 9v DC battery

8. Jumper wires

**Circuit diagram :**

