PERSON DETECTION AND ALERT SYSTEM BY USING IR SENSOR

**AIM:**

The aim of the project is design to detect a person and give the alert without using microcontroller.

**BLOCK DIAGRAM:**

POWER SUPPLY

BUZZER

IR SENSOR CIRCUIT

**DESCRIPTION:**

Sensors are very important part of electronics, especially in [Robotics](http://circuitdigest.com/robotics-projects) and Automations. Sensors in electronic devices make our life easy by automatically sense and control the devices, without human interaction. There are many kinds of sensors like Fire sensor, humidity sensor, motion sensor, temperature sensor, IR sensor etc. In this article, we will explain about **IR sensor** (Infrared sensor), how it works and how to **build an IR sensor Module.**

IR sensor is very popular sensor, which is used in many applications in electronics, like it is used in Remote control system, motion detector, [Product counter](http://circuitdigest.com/electronic-circuits/object-counter-circuit-diagram), [Line follower Robots](http://circuitdigest.com/microcontroller-projects/line-follower-robot-using-arduino), Alarms etc.

The IR LED is used as the IR transmitter, which is connected by using the resistor logic as shown in the schematic. The IR receiver is connected by using the transistor logic whose collector is connected to the base of the transistor. The base of the transistor is connected to the photo diode through the resistor.

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**HARDWARE:**

* IR sensor
* Buzzer.
* Power supply

**RESULT:**

Hence by the project is design to detect a person and give the alert without using microcontroller.