

IOT BASED SOCIAL DISTANCING ALERT SYSTEM

ABSTRACT

Our Project titled IOT BASED SOCIAL DISTANCING ALERT SYSTEM is a device for alerting worn person to maintain social distance with the fellowmen by means of Buzzer and glowing danger light which helps to protect the person from the pandemic viruses. This easy to carry portable device can sense any fellowmen presence within 2 feet radius distance with the help of an effective ultrasonic sensor. The Node MCU ESP8266, Buzzer and sensor circuit plays a major role in our project. When any fellowmen comes nearer to this device, then the signal transferred to Buzzer through the ESP8266. As soon as the buzzer gets signal from the controller, it will start to alert a person by beep sound along with glowing danger light. This buzzing sound will be felt by a person who worn this smart device and alerting him to be vigilant in any public or working places. This continuous alert will be stopped when a person moves away from the designed distances along with the light turned off. The Entire circuit are powered by 9V rechargeable battery integrated with this device. The manual ON/OFF switch is provided with this smart device for comfortable use. This low cost IOT BASED SOCIAL DISTANCING ALERT SYSTEM could be an effective solution to stop the pandemic virus spread.

BLOCK DIAGRAM

