Human proximity Alert System for Social distance COVID-19

ABSTRACT

The term social-distancing (S-D) is a way to stop or slow the spreading of contagious disease. In other words, it means less physical communication between two or more persons. In S-D the gap between two living beings (normally human) is 6 feet (two meters). In this short note, we propose a proximity-based alarming device that alerts the user when he or she crosses the threshold S-D limit.

This equipment will help people to maintain safe distance among themselves that ultimately help avoidance of spreading coronavirus. This model is the integration of the proximity sensor and an alarming mechanism.This prototype has been tested on a toy for validation purposes.

In the simulation this device an ultrasonic sensor will be used to sense the signal when a person coming towards the sensor.This sensed signal will give an output as in the form of Buzzer sound and a Glowing LED.

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