Participant Information Sheet: Keep Your Distance! Real-time Social Distancing Using ESP32

The aim of this experiment is to learn about how effective the created system is at enforcing a greater level of social distancing between people.

This experiment should take around 1 hour to complete.

At the start of the experiment, you will read the tutorial sheet that will instruct you, and the other participant from your household that has agreed to the experiment, with how to setup the Android app, then the esp32 device. This tutorial sheet will then instruct you on how to proceed.

You will be asked to choose three different areas within your house, or included outdoor areas such as a garden, and setup a tape measure for three metres. Each participant will stand at one side of the tape measure.

At each area one participant will move towards the other participant at a steady pace. They will stop and record the distance between each other when the device alerts them or if the device does not alert them but continuing further would cause them to collide with the other participant. They will then move back until the device stops alerting them and record this distance. They should do this 5 times in total for each area.

At the end of the experiment, you will be asked to fill in a survey and submit the collected data along with this, there will be no compensation for this experiment and survey.

All results will be held in strict confidence, ensuring the privacy of all participants. No personal participant information will be stored with the data. Online data will be stored in a password protected computer account.

Your participation in this experiment will have no effect on your marks for any subject at this, or any other university.

Please note that it is the device, not you, that is being evaluated. You may withdraw from the experiment at any time without prejudice, and any data already recorded, from you and your linked participant, will be discarded.

If you have any further questions regarding this experiment, please contact:

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This study adheres to the BPS ethical guidelines, and has been approved by the DCS ethics committee of The University of Glasgow.. Whilst you are free to discuss your participation in this study with the experimenter, if you would like to speak to someone not involved in the study, you may contact the chair of the DCS Ethics Committee: Prof Stephen Brewster .