

Participant Information Sheet

Project Title: Are you good at identifying thieves? (online version)

Researchers:

The researchers conducting this experiment are Zi Jin, Xuanying Zhu and Professor Tom Gedeon.

Experiment:

In this experiment, you will watch a selection of videos which record some participants being greeted and interviewed by others. These participants may or may not have taken a phone which does not belong to them prior to the interview, and your task is to estimate whether the participants in the video have conducted some deceptive behaviours.

While you perform the experiment, you need to record your video through a webcam, using any recording software you have (mp4 format is preferred, minimum screen size recorded has to be 640x360). After finishing the experiment, you need to upload the video recording to a cloud storage (details will be in the experiment website). Once you send us the video recording, your experiment participation will be considered complete and then you can receive credit for it. The total duration of the experiment will be around 60 minutes, and will gain you 1 hour experiment credit.

Devices

In this experiment, your facial expressions will be captured by a webcam.

Tasks

In this experiment, you will watch a series of videos from the computer screen and estimate whether the person involved in the videos has conducted deceptive behaviours (such as stealing a phone) or not. After completion of identification, all sensors will be removed. During the observation and identification of the experiment, you will be required to record their facial expression.

At the start of the experiment, you will:

- i) Watch the preliminary video to understand the tasks you are required to do
- ii) Sign the online consent form
- iii) Start recording your facial expression using a recording software
- iv) Fill demographic information.
- v) Read instructions and press the **Next** button.
- vi) Watch a series of videos and answer the questions. Press **Submit** to continue.
- vii) Repeat step vi) until all the videos have been displayed.
- viii) Fill in the post-experiment questionnaires and press **Submit**.
- ix) Stop recording your facial expression and upload the video to the link mentioned in the experiment website.

Use of Data and Feedback

The data collected will be used to draw conclusions about certain interaction techniques and the nature of the tasks. Any data collected, either raw or processed, may be used research and publications. The data will be made unidentifiable so that no participant will be able to be identified from any data collected.

Voluntary Participation & Withdrawal

This usability experiment is completely voluntary. You may end the test session or ask for a break at any time. You may request that any or all data collected from you be destroyed. You have the right to completely withdraw from the experiment at any point with no explanation to the researcher. In this case, your data and personal information will be destroyed in accordance with the ANU Code of Research Conduct. You can ask that your name be deleted from our contact list for future testing at any time.

What does participation in the research request of you?

The main purpose of the user study is to collect data to enable useful information to be gained on the interface, the interaction techniques, and tasks. We will give you a pre- and post-task questionnaire that may contain some questions of an identifying nature. You do not need to complete these or any of the other questions if you have any objections to them. The task carried during the session will involve recording facial expression data.

Location and Duration

The study will take place online. The time needed to complete this user study will be about 60 minutes in one standalone session. This time will include an introduction to the tasks, setup, and completion of the tasks mentioned above.

Incentives

No incentives are provided. Participants signing up via the SONA system gain course credits.

Risks

As the study is conducted in a carefully designed lab environment, all care will be taken to make participants as comfortable as possible, given the nature of the interaction tasks. ***Participants are free to request that your participation in the user study cease at any stage without explanation.***

Confidentiality

The data from the experiment will be made unidentifiable so that no participant will be able to be identified from any data collected. All results published will be in regards to the overall findings from the cohort of participants and not on an individual basis. Until that time, if you give your permission, your contact details will be retained for follow-up testing. The data may be used in follow-up research by researchers not listed on this form. All researchers that will gain access to the data collected in this research will be listed under the same human ethics protocol as the current researcher.

Data Storage

The data from the research will be stored securely at the CSIT Building, ANU. The data from the experiment will be made unidentifiable to retain privacy of each participant. The lookup for the

unidentifiable data will be kept in a separate secure location so that participants information can be found in the case of their wanting access to their data or destruction of their data.

In accordance with the ANU Code of Research Conduct all data collected for the research will be stored for at minimum 5 years from the data of publication. After this period the data will be archived for follow-up research. The data will be kept in secure storage at the Research School of Computer Science, ANU.

Queries and Concerns:

If you have any further requests for information or queries regarding the study participants should be directed to the primary investigators,

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Ethics Committee Clearance:

The ethical aspects of this research have been approved by the ANU Human Research Ethics Committee. If you have any concerns or complaints about how this research has been conducted, please contact:

Ethics Manager

The ANU Human Research Ethics Committee

The Australian National University

Telephone: +61 2 6125 3427

Email: Human.Ethics.Officer@anu.edu.au