PROJECT INFORMATION

University of Nottingham
UK | CHINA | MALAYSIA

Date: 12/11/2018

Project: Investigation of how AI assistant Alexa can aid learning

School of Computer Science Ethics Reference:

Purpose of the research.

The purpose of this research is to evaluate how useful AI assistants are at aiding the maths learning process currently in order to make them better in the future.

This aims to break down the interaction between Amazon Alexa and the participant to see what happens when learning activities are completed and the processes than Alexa carries out currently.

Nature of participation.

This research is voluntary and relies on the participant giving written consent or if the participant is under the age of 18, the participant's legal guardian and the participant giving consent.

Participant engagement

Taking part in this research will involve one questionnaire, the participant interacting with Alexa for 10-15 minutes to do maths activities such as 1-2-3- Maths and then a semi-structured interview. With the discussion and time interacting with Alexa, audio will be recorded and the responses on the questionnaire along with the Alexa transcript will be used.

Benefits and risks of the research.

This research could help to develop Alexa skills in order to better help young people learn Maths and improve the human interaction abilities of the Amazon Alexa.

Use of your data.

This data will be stored on a password-protected computer and will only be seen by myself, and my supervision team for examination purposes. All data will be destroyed after graduation and will not be used for any purpose other than those stated on the consent form.

Future use of your data.

The data will be deleted after graduation and data will never be used by another study.

Mixed personal data

The research will not gather 'mixed' personal data. Each audio file will be specific to the participant so if the participant withdraws consent, their file can be deleted without further repercussions.

Procedure for withdrawal from the research

You may withdraw yourself or if you have given consent for your child- withdraw your child from the study and do not have to give reasons for this.This can be done up until alternative data can be collected so as not to rick the success of the dissertation. All personal data on the participant will be destroyed in that case.

If you wish to withdraw your consent or your consent for your child or your child wishes to be withdrawn, please contact the researcher who gathered the data. If you receive no response from the researcher please contact the School of Computer Science's Ethics Committee.

Contact details of the ethics committee.

If you wish to file a complaint or exercise your rights you can contact the Ethics Committee at the following address: cs-ethicsadmin@cs.nott.ac.uk

Contact details of researcher

If you have any questions about your child participating in this study that you want answered before giving consent, please feel free to contact the researcher.

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