Summary in English

Virtual companion application on smartphone

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This project is part of the SCUSI Kouno Tori project in partnership with Kobe University in Japan and University of Grenoble Alpes.

In Japan, a virtual companion application has been developed on a smartphone called Mei Chan, through a messaging application called LINE, which is very popular in Japan.
The role of the virtual companion is to converse with isolated people, such as elderly people but also isolated young people. They are asked daily questions such as "Hello, how are you today?"
The application has the secondary objective of detecting possible pathologies in these people, such as memory loss.

The objective of this project is to reproduce this application for France. The application can therefore communicate with the elderly through dialogues. The virtual companion can ask questions in order to record the emotional and physical state of the user. It will be able to ask questions every day to check up on the user, such as: "Hello! I hope you are well today" and record the answer in a local database. This database can be retrieved by scientists to analyze the person's condition directly through the thread of discussion with the robot.

The user can also write notes in a diary to express their feelings freely without the intervention of the robot. These notes allow the user to free his thoughts and to tell his daily life story in the diary. The non-secret pages of the diary can also be exported and analyzed by a scientist.
We hope that this application can be adopted by many people in order to prevent the disorders that some isolated people can have. If these disorders are found early enough then it will be easier for medecine people to help them with their problems.