Thesis Title	The Suitable Communication Schema Between Basic Mobile Phone and Automatic System for Thai Elders
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Abstract

Technology can be used to improve quality of life. Due to physical and mental degeneration of elders, they have limited abilities in adapting to new technologies. Because of its simplicity and its high rate of ownership and use, basic mobile phone is an appealing technology for Thai elders. This research aims to study the communication scheme between basic mobile phone and automatic system that is suitable for Thai elders. Each participant was tested with 6 activities: answer call, read text message, send text message, voice interaction, listen and response with text, and text interaction. Instructions and training were provided prior to each test and was asked to evaluate his/her perceived ease of use, and intention to use of each activity after the test. Forty Thai elders in the age of 60 to 80 years old were tested. There are 19 elders with a bachelor degree or above and 21 elders with less education. The results showed that most elders with a bachelor degree or above were able to perform every activities while most elders with less education were not able to send text messages and perform text interaction. The average values of perceived ease of use were close to the average values of intention to use. It could be suggested that the automatic system for elders should use either answering call or voice interaction scheme. For elders with a bachelor degree or above, reading text message or text interaction might be used.

Keywords: Ability to Use / Automatic System / Thai Elders / Mobile Phone