LITERATURE SURVEY ON PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT

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ABSTRACT

Tracking the health of a person and proper medication improves their life time. Studies suggest the most of the elderly people have challenge such as short-term memory. A Caretaker cannot assist a person all the time, for taking medicine. This work proposes a personal assistant for an elderly people or a patient. The personal assistants can provide a reminder, allowing family members or other caretakers free of this. The main objective of this work is to help seniors to have a proper medicine at correct time to improve their health.

APPLICATION	AUTHOR NAME	YEAR	FEATURES
Voice assistants based on smart speakers	Gunther Eyesenbach	2021	The advantages of this kind of gadget are seen differently by older persons, although little is known about this. The ease of a speech-based engagement contributed to the favourable first reception to voice assistants. Particularly, it was common to finish an engagement with a voice assistant by expressing gratitude or providing criticism on the quality of the responses. Asking queries about health care and streaming music were the two main themes of ordersgiven during the first conversation. However, the

			majority of the subsequent responses were negative due to the challenges in creating a structured language for a command.
Personal Care Assistants (PCAs)	Maria Gabriella Melchoire	2022	Caring help is essential for carrying out everyday activities when older persons age alone and become weak with functional limitations. The current study set out to examine the role and features of privately employed Personal Care Assistants (PCAs) who provide care for elderly people in Italy in light of the family's decreasing capacity to provide care and the under-resourcing of governmental services. In the "Inclusive ageing in place" (IN-AGE) project, 120

			qualitative interviews with elderly persons in their homes in the Italian regions of Lombardy, Marche, and Calabria were conducted in 2019. Along with some basic quantifications of assertions, a content analysis was done. Results revealed that PCAs were helpful in 27 situations, mostly when older citizens' health difficulties were raised
Voice-controlled Intelligent Personal Assistants(VIPAs)	Katherine O'Brien MD	2019	The desire of many older persons to age in place may be supported with voice-controlled intelligent personal assistants (VIPAs; examples include Amazon Echo and Google Home). The use of VIPAs by older persons in the actual world hasn't been studied

			before. We wanted to find out how elderly people and their caretakers use VIPAs. Retrospective analysis of all Amazon Echo reviews with confirmed purchases that were published on the website between January 2015 and January 2018, with the health-related older adult key terms filtered out. To find pertinent themes, open-ended reviews were qualitatively examined.
Virtual agent	Ramin Yaghoubzadeh Torky	2017	Cognitively impaired individuals struggle to independently plan their everyday activities. A virtual agent could be a helpful daily calendar aide, but this requires that these particular user groups accept

			the system and can communicate effectively with it. In this study, studies that address these issues for older users and users with cognitive impairment are presented. Results from focus groups and interviews indicate that using a participatorydesign approach can boost acceptance. The viability of spoken-language interaction is shown through actual interaction studies with a prototype, which also disclose mitigation techniques for comprehending issues.
Personal assistant robot called "Robo care for Elderly"	Mithra Venkatesan	2021	The robot for the elderly discussed in this essay is made up of numerous electrical components that

			can be changed in the future and utilised to create new robotic appliances that may be used in a domestic setting. A personal assistant robot called "Robo care for Elderly" is a prototype that will one day be utilized to care for and accompany the elderly. The Raspberry Pi microcomputer, an ultrasonic sensor, a PIR sensor, a temperature sensor, LEDs, an integrated Bluetooth module, a Dc motor, a servo motor, speakers, etc. are all part of this system. The major goal of the created work is to create a personal assistant robot prototype that is affordable and usable in every home, improving the

			usage of technology.