

Literature Survey

Date	01 November 2022
Team ID	PNT2022TMID19102
Project Name	Personal Assistance for Seniors Who Are Self-Reliant
Maximum Marks	4 Marks

Team Members

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Project Title

Personal Assistance for Seniors Who Are Self-Reliant

S. No	Link	Year and Journal	Paper Title	Author Name	Solution
1	Autonomous Robot for House Supervision Based on Personal Assistance Technology IEEE Conference Publication	May - 2020 2020 43rd International Spring Seminar on Electronics Technology (ISSE)	Autonomous Robot for House Supervision Based on Personal Assistance Technology	Alin Grama; Elena-Mirela Stetco; Ovidiu-Aurel Pop; Olimpiu Pop	This Paper work presents a device which is designed in such a way that to allow the house to be supervised in the absence of its inhabitants, so that the owner of the house is warned, if, in his absence accidents like gas leaks, fire, water leaks occur. Also, the owner is alerted if an intruder has entered the house. This solution comes under Internet of Things devices. However, this requires a secure internet connection that is capable of transferring to the user all the data collected by the device.
2	Design & Implementation of an Automated Reminder Medicine Box for Old People and Hospital IEEE Conference Publication	2018 2nd Int. Conf. on Innovations in Science, Engineering and Technology (ICISSET) 27-28 October 2018, Chittagong,	Design & Implementation of an Automated Reminder Medicine Box for Old People and Hospital	Mohammed Abdul Kader; Mohammad Nayim Uddin; Asif Mohammad Arfi; Naeemul Islam; Md. Anisuzzaman	This device has 21 airtight compartments to keep the medicine. The attendant of a patient or nurse can make a weekly plan of medicine remainder by keeping medicine in 21 compartments for taking medicine three times per day. It can be set manually too, this device has a real-time clock to read the time. When time is matched with the set time, the device plays a sound in the speaker to share the information of medicine quantity and blinks the LED of the specific compartment

		Bangladesh			where medicine is kept for that time
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3	PAS: A Wireless-Enabled, Sensor-Integrated Personal Assistance System for Independent and Assisted Living IEEE Conference Publication IEEE Xplore	2007 Joint Workshop on High Confidence Medical Devices, Software, and Systems and Medical Device Plug-and-Play Interoperability	PAS: A Wireless-Enabled, Sensor-Integrated Personal Assistance System for Independent and Assisted Living	Jennifer C. Hou; Qixin Wang; Bedoor K. AlShebli; Linda Ball; Stanley Birge; Marco Caccamo; Chin-Fei Cheah; Eric Gilbert; Carl A. Gunter;	PAS open architecture for assisted living, which allows independently developed third party components to collaborate. We discuss key technological issues in assisted living systems, such as tracking, fall detection, security and privacy; and results from our pilot study in a real assisted living facility are presented.
4	Medicine Reminder and Monitoring System for Secure Health Using IOT - ScienceDirect	June 2015 Article in International Journal of Managing Public Sector Information and Communication Technologies · June 2015 DOI: 10.5121/ijmpict.2015.6204	Medication Reminder and Healthcare – An Android Application	Samir V.ZanjalaGiri sh. R.Talmaleb	This is an Android-based application in which an automatic alarm ringing system is implemented. It focuses on doctor and patient interaction. The alarm can be set for multiple medicines and timings including date, time and medicine description. A notification will be sent to them through email or message inside the system preferably chosen by the patients. economical, time-saving and supports medication adherence.

Objective

Personal Assistance for Seniors Who Are Self-Reliant

Sometimes elderly people forget to take their medicine at the correct time.

They also forget which medicine He / She should take at that particular time.

Our objective is to create a mobile or software application that reminds the elderly people to take up the medicine during the right time, initially it reminds through a message, A Special Ringtone to take up the medicine, even after receiving the messages and calls, still there is no response from the users means, a message will be send to the user's close ones. This happens in an interval of 10 min each.