IBM Nalaiya Thiran

Literature survey

Title Name: Personal Assistance for Seniors Who AreSelf-Reliant

Domain Name: Internet OfThings

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ABSTRACT:

Elder people find it difficult to do their work independently without others' help. They must be given opportunities to live their life reliably and remove their hesitation in asking or depending on others. IoT(Internet Of Things) is the greatest deal in today's life which helps people a lot to lead a happy and prosperous life. IoT plays a major role in minimizing human work and improving their lively ethics. This made us integrate IOT with the need of helping elderly people. This gives an idea to build devices that work to help the elderly people in remembering their tablet or medicine timings since many people find it difficult to remember their medicine timings and also people surrounding do not remember it all the time. This has been developed using IoT. The model has been designed with the device efficiency, low cost, and low power consumption aim. This may be designed with voice assistance or a small alarm that would pick up ringing automatically and remember the elderly people. The device will be compact and portable in various locations.

KEY WORDS:

Remember tablet timings, IoT(Internet of Things), voice assistance, and reminder alarms.

INTRODUCTION:

Nearly 40% of old age people suffer from memory impairment [Memory Impairment]. They also have many health issues like diabetes, blood pressure, etc., [Elderly health] for which they are under continuous medication. This medicating phase is not an easy one. They depend on other people to help them. They do not find it easy also they hesitate to obtain help from others. This makes them skip the tablet hours. This risks their health and safety. Sometimes this leads to deaths even. This simple reason could not cause such big effects. Old age people must have cared a lot. This is eternally important. These kinds of things and their intense feeling that no one is there to care for them will cause lots of depression and stress. Thus as a motive to help the elderly, this project has been done to remind them of their tablet timings which would help them have a better old age.

LITERATURE SURVEY :

- Author 1 says, Compared to their grandparents living in the 1970s, our more self-reliant and empowered American aging baby boomers will be better able to access the goods, services, and care they need to age in place autonomously in their current dwellings. The emergence of the Internet economy and the prospects of gerontechnological advances will only increase this connectivity divide. However, one unintended consequence of increased connectivity may be a generation of more socially isolated older baby boomers.

- Author 2 says, An estimated 8.4 million adults with disabilities have children under age 18 living with them. Despite the large number of adults with disabilities engaged in parenting, studies of parents with disabilities have been relatively scarce, though the number is growing. This article reviews the literature on parents with disabilities as a whole and elaborates three themes relevant to parental support and care: parental capacity, "young carers," and social networks. Also discussed are key concepts from the feminist and disability studies literature that can form the basis for a theoretical framework to guide research on parents with disabilities.

- Author 3 says, Developing self-reliance in community plays an important role to enhance the well-being and participation of its members. This study aimed to understand the conditions which contribute to the success of community well-being and the strategies to develop healthy communities. Qualitative research methodology was employed. The data collection strategy utilized in-depth interviews of thirteen key informants from the core group leaders and local residents of the community and from community development networks in Bangkok, Thailand. Data analysis was conducted through content analysis methods. The results showed that two conditions contributed to the success in community well-being. Firstly, it included human potential capital such as having outstanding leadership capabilities, for example, being patient, team oriented, well respected, and the potential of the elder leader's core group in contributing their experience. Secondly it included the ability to foster community development; cultural capital, namely, having a traditional community with close family ties; and natural resource capital with some plants as an economic crop. In addition, the community need to collaborate with network partners. Those strategies in implementing community well-being operations included, 1) fostering community participation in a "healthy space"; 2) creating exposure to a wide range of organizational networks; 3) the implementation of a mentoring system; and 4) continuous development of the "healthy space" and opening it for public use, along with fostering cooperation with neighboring communities. Practical implications for sustainable development in the area of community well-being are discussed.

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