

PROPOSED SOLUTION

ABSTRACT:

In modern society, busy life has made people forget many things in day to day life. The older adults and the people victims of chronicle diseases who need to take the medicines timely without missing have dementia, forgetting things in their daily routine. Considering this situation study has been done on this. Recent technologies of home healthcare are currently used to improve this situation by reminding the scheduled of medicine, remote monitoring, and updating patient's new medicine data, which prescribers can do through the web.

INTRODUCTION:

There can be many individuals out there who need constant help, may it be our older adults, family members, the ones who have special needs. Aging comes poor eyesight and memory, what if the patient has Dementia-like Alzheimer. Some people may forget to take the medicines at the correct time and forget the medicines they have to take. To eliminate the factors of always needed observation like nurses or taking the risk of a missed dose, we had to find an easy, portable and efficient solution.

DESCRIPTION OF THE PROPOSED SOLUTION:

The Medicine reminder system consists of a pillbox provided with a set of Compartments. It is designed in such a way that normal people can use it easily for their medication. The pill box's control system consists of LEDs for giving visual alerts to the patient for medicine. There is a Speaker in the system which alerts the patient in audio form. The alert will be given in the form of SMS to the patient's caretaker.

NOVELTY:

Going across many reviews on this project, we can conclude that no technology can replace a personal care taker. Still the technologies are trying to invent a system that replaces a personal care taker by providing friendly relationship with patients.

FEASIBILITY:

Product/service feasibility

Companies conduct a new product feasibility study to prove demand for the new product and provide data-based recommendations for the next steps when entering the market. The company conducted a study using google forms to understand the potential demand of smart medical box organizers and got an overwhelming response where a major number of people suggested the need of a product integrated with their mobile or latest tech to remind them to have medicines on time. Thereby it is sure that the product is feasible in terms of service.

Financial feasibility

Taking in consideration of expenses related to setting up the plant at Hosur, R and D and the marketing of the product and analysing, it concludes that the product is viable and could be manufactured and distributed without any compromise to the current business setup.

Technical feasibility

This assessment focuses on the technical resources available to the organization. It helps the company to determine whether the technical resources meet capacity and whether the technical team is capable of converting the ideas into working systems. The technical involvement in the product manufacturing is mainly in the production of casing and in the electronics. For casing, the injection molding technique is used, since it's cheap and the product will last long. The basic electronics required for the product are already available in the market. The team had already altered the architecture of it to fit the requirement. So the product is technically feasible.

SOCIAL IMPACT:

Need for the special care taker to aging, ill people & physically and mentally challenged people. Health monitoring and health care of people can be improved.

SCALABILITY:

Since the IOT technology is in improving stage, emerging new technology can be easily implemented in this project. This technology provides communication between care taker, Doctor and family members.