

## **LITERATURE SURVEY**

**Project:** Personal Assistance for Seniors Who are Self – Reliant

**Team Members:**

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**Paper 1:**

Prof. R.M Gawande, Ms. Shinde Gayatri, Ms. Supekar Pragati, Ms. Shevkar Vaishali,  
Mr Shevkar Akash.

### **Smart Medicine Box for Old Age People**

Proper Medication is extremely problematic for the elderly patient who had problem in keeping track of their medicine. So to overcome this we made this Smart Medicine Box which keep tracks of the dosage and duration between each consumption. The common reasons are listed here Poor Eyesight, less remembrance due to which errors such as mis dosage since the elderly finds it troublesome to read the instruction on the medicine case and identifying the right dosage of the medicine. Hence, this Smart Medicine Box will track their medication and inform patient to take right dosage of right medicine at the right time.

**Paper 2:**

Priyanka J. Solankel, Scientist. K. Lakshman2

### **Smart Medication & Monitoring System for Secure Health using IoT**

The elderly people and the people victims of chronicle diseases who need to take the medicines timely without missing are suffering from dementia, which is forgetting things in their daily routine. Considering this situation study has been done in this. Reminding the scheduled medicine, remote monitoring and update new medicine Consumption data of patients, which can be done by prescriber through IOT. We need to be in advice of Doctor who tells us to take desired pills in desired way so that patients face problems like forgetting pills to take at right time and also when Doctor changes the prescription of medicine patients have to remember the new schedule of medicine

**Paper 3:**

Mohammad Alhaj, Abdullah Nizar, Shahd Al-Hatem, Athraa Leekha

**A case study of medication reminder system**

An important topic for treating the elderly who often take multiple medications simultaneously to treat different conditions and symptoms. Medications usually need to be taken in specific doses at set intervals. Missing doses or timing doses incorrectly can cause medical complications. Medication management can include everything from using devices that issue reminders to patients to take their medications to filling pill cases for patients and marking the lid of each compartment to indicate when the contents need to be taken. In this paper, we present a case study of medication reminder system that helps to alert patients who forget to take their medicines at prescribed time. We used HW/SW Co-design approach to allow the hardware and the software of the system designed and implemented in parallel and make sure that the non-functional properties are met.

**Paper 4:**

Vikas Anna Mali.

**IoT Based Intelligent Medicine Box with Assistance**

In this paper, the intelligent medicine box has been designed. This medicine box stores the medicines and which alerts and remind to patients to take the medicines time to time. So that it avoids the health hazards due to negligence of not taking medicines time to time. Also in this paper different health parameters such as pulse rate, blood pressure and temperature and ECG of heart are measured. These parameters are sent to firebase IoT. Doctors can monitor health parameters on firebase website and accordingly decisions can be taken about patient treatment.