

# **LITERATURE SURVEY**

## **PERSONAL ASSISTANCE WHO ARE SELF RELIANT**

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### **SUMMARY:**

There are many senior people around us who are the victims of many different disease. And those people were prescribed to take medicine regularly on time. Most of them suffering from dementia, amnesia, etc .So these people are overlook by someone to take care of their health. Maintaining daily medication or pills become very difficult for old people. To over comes these hurdles the new technologies were introduced for elder people to remind the medicines to be consumed on time.

### **LITERATURE SURVEY:**

Some People will obliterate to have proper medicine correctly on time. To help these community an application is built which sends notification to IOT device, the device will receive medicine name and notify user with voice command. Additionally, alerting with an alarm and light indications. To confirm whether the person has taken the medicines or not can be identified by putting a button at the opening end of the pillbox. When the person/patient is feeling uneasy the different buttons fixed on the box he/she can press one of those fixed buttons to notify family members about the situation.[4] An IOT device for the people who take medicine frequently and also remembering the prescription of the patient's medicine for a long time is very hard to

remember by the patient and also the caretaker. Present time and notification time could be saved in RTC and EEPROM. So, at the time of taking medicine, the system will be sending a notification and beep sound and display the bright light in IOT device from which the patient has to consume medicine. This system has an advantage of sensing whether the patient has consumed medicine or not and also senses when the patient tries to postpone the medication by opening and closing the box in to stop the notification and lighting.[5] An intelligent pillbox system is designed whether the patients have taken the correct dosage or not which has to be monitored by the caretaker. The caretaker will be notified by using the audio instructions when the medicines are taken or refilled. Different functions that are present in this device are which pill has to be taken, the remainder of medicine timings to patient/caretaker and notifying using LED, buzzer, voice alarms, and the Android applications.[6] A Pillbox with remind and consumption function that gives alert and box will be in open position at the time of taking medicines. Most patients don't recollect their whole drug routine and they additionally sometimes neglect to take their prescription [7]. Outpatients with interminable sicknesses, especially the individuals who must oversee more than one prescription or take drug more than once per day, may not take their meds appropriately. The pace of drug adherence, characterized as "the degree to which the patient adheres to restorative guidelines", has been accounted for to be around 50–80% [8]. Quiet adherence to prescription is clinically critical in lessening mortality of genuine infection and complete medicinal services costs. By and by, the above depicted issues have opposed an answer for quite a while [10]. The most widely recognized patient-related factor coming about in non-adherence incorporate 'essentially overlooked', although prescription adherence is a multidimensional wonder [7]. The pace of 'just overlooked' was 66% in HIV/AIDS clinical preliminaries and 30% in other clinical preliminaries [8].

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