

# **MEDICINE REMINDER**

Personal Assistance for Seniors Who Are Self-Reliant

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# **LITERATURE SURVEY**

Personal Assistance for Seniors Who Are Self-Reliant

## **“Medicine Reminder”**

### **SURVEY 1:**

Sultan Ahmad, Mahamudul Hasan, Gouse Pasha Mohammed, Mohammad Shahabuddin, Tasnia Tabassum, and Mustafa Wasif Allvi (2020)

#### **“IoT based pill reminder and monitoring system”**

There are many people around us who are the victims of chronic disease. Most of them suffering from dementia. Some people overlook to take care of health. Because of the lack of an expert system, people are forced to submit in frequent health related problems. By analyzing the data, an internet of things (IoT) based reminder system has been developed. It is designed to assist the patient who forgets to take medicine. The proposed system consists of an IoT enabled device and an android application. It mainly focuses on dementia patient. But it is beneficial for all. Patients will no longer have to worry about daily medication. The application will send a notification when it's time to take medicine. The mobile application is used for keeping the record in medicine details and reminding the schedule of medicine. They have used the IoT enabled Arduino device for monitoring the whole system. The device can sense whether a patient has taken medicine or not with the help of the infrared (IR) sensor. They have tried to develop a system which will help patients to manage their health care properly.

## Survey 2:

K.Srinivas, P.Yogitha, M.Sindhu, M.Rohit

### HEALTH MONITORING USING IOT, MEDICINE REMINDER USING GSM (2019)

In the contemporary day life style people have no time to spend with their family. In such a busy life it's difficult to keep an isolated day out of their busy schedule for the doctor for consistent medical checkup and taking medicines at time. There is a necessity for new idea and technology which helps in saving their time.

The proposed model enables users to improve health related risks and reduce healthcare costs by reminding to take medicines at time ,collecting, recording and analyzing data in real time efficiently .With the help of this proposal the time of both patients and doctors are saved and doctors can also help in emergency scenario as much as possible .The proposed outcome of the project is to give proper and efficient medical services to patients by reminding them when to take medicines and collecting data information through health status monitors which would include patient's Heart rate.

## Survey 3:

B.Ayshwarya, R.Velmurugan

### **Intelligent and Safe Medication Box In Health IoT Platform for Medication Monitoring System with Timely Reminders (2021)**

The progress in IoT health care is considered to be a massive contribution to the elderly people. The elderly people and people who are suffering from chronic diseases need to intake tablets regularly on timely basis. Care takers with their busy daily routine may forget the instructions and time about pills which are prescribed for patient. Also care takers who are dealing increased number of patients may feel hectic to sort the medicine list for corresponding patients at proper time. Earlier many researches have been carried in this area and different pill boxes have been proposed already. The intelligent medication box proposed in this work have specialized features including six sub boxes which helps to organize six different pills, provides timely reminders for the patient or caretaker in an android application like hand-held devices like smartphone. This intelligent medication box contains bio-sensor for monitoring of temperature and heartbeat. Overdosage and improper intake of medicines may lead to serious issues in health of elderly people to avoid mis usage of medicines a simple authentication process either by the care taker or the patient himself is performed. They proposed medication is much safer as it clearly intimates about time, dosage, stock of medicine and sorts out different pills in correct sub boxes during the next fill by caretaker.

## Survey 4:

Pallavi Prakash Ghogare, Mrs. V. S. Jahagirdar (2018)

### **“ MEDICATION REMINDER AND MONITORING USING IOT ”**

The idea of digital world where different types of sensors and local processing connected to share information is used in many industries nowadays. There are various products which are developed based on these ideas. Healthcare industry is one where lot of improvements is taking place. Medicines play important role for prevention and cure for most of the diseases. Many Harmful and risky diseases can be cured through proper medication. The proposed system consists of an IoT enabled medication reminder system and it gives timely alerts for the patients about their medication time. It alerts the patient to take medicines at proper time by providing audio-visual alert. The system helps to monitor whether patient has taken the medicine and it's healthcare data.

## Reference:

1. Sultan Ahmad, Mahamudul Hasan, Gouse Pasha Mohammed, Mohammad Shahabuddin, Tasnia Tabassum, and Mustafa Wasif Allvi (2020)  
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2. K.Srinivas, P.Yogitha, M.Sindhu, M.Rohit (2019)  
"HEALTH MONITORING USING IOT, MEDICINE REMINDER USING GSM "
3. B.Ayshwarya, R.Velmurugan (2021)  
"Intelligent and Safe Medication Box In Health IoT Platformform  
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4. Pallavi Prakash Ghogare, Mrs. V. S. Jahagirdar (2018)  
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