

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

This project proposes a IOT based personal assistance for seniors who are self-reliant. The main components include a microcontroller for processing the system, In our busy and hectic life, we sometimes forget to take medicines on time. In hospitals it becomes difficult for doctors to remind every patient to take the medicines on time. The perfect solution for this problem should be a Automatic Medicine Reminder Alarm System. The technology used in this project are IOT webpage, MYSQL database, SMS alert, e-mail alert, esp8266 sensor, IR sensor, FTDI board, power supply. The singularity of our proposed project is to alert the elders either by sending email/SMS or by triggering some alarm. Therefore, our proposed system will immensely help elder people to become more conscious to take medicine on time

This is an Android-based application in which an automatic alert system is implemented. It focuses on doctor and patient interaction. Patients need not remember their medicine dosage timings as they can set an alarm on their dosage timings. The alert can be set for multiple medicines and timings including date, time and medicine description. A notification will be sent to them through email or message inside the system preferably chosen by the patients. The patients will get the contact details of doctors as per their availability. The system focuses on easy navigation and good user interface. Many such Medical Reminder Systems have been developed where a new hardware is required but in our work we have made an attempt to develop a system which is economical, time-saving and supports medication adherence.

Following are the aims of idea implementation

- To prompt the users to take medication using android application.
- To send an alert notification to the users automatically when they want to prompt their medication.