

Personal Assistance for Seniors Who Are Self-Reliant

ABSTRACT

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Elderly people sometimes tend to forget to take their medicine at the correct time, or might forget which medicine they are supposed to take at that particular time. This makes it difficult for the doctors/caretakers to monitor the patients properly around the clock, which leads to inadequate treatments being provided to the elderly patients, and could result in casualties.

The aim of this project is to design a medicine reminder system, which is an application built for the user (caretaker), that enables them to set the desired time and medicine. When it is time to take the medicine, the web application will send the name of the medicine to the IoT Device through the IBM IoT Platform. The device will receive the medicine name and notify the user with voice commands (using text-to-speech conversion). The softwares required for developing the system are **IBM Watson** - to connect the application to the IBM Cloud, **NODE-Red** - to create a web application and connect to the Cloud and **Cloudant DB** - to store the medicine intake details.