

PROJECT OBJECTIVES

Team ID	PNT2022TMID21393
Project Name	Personal Assistance for Seniors Who Are Self-Reliant.
Team Members	Nishok Rajan P, Karthikeyan B, Saravanaprakash S, Viswa Bharathi K

Objective :

- Sometimes elderly people forget to take their medicine at the correct time.
- They also forget which medicine He / She should take at that particular time.
- And it is difficult for doctors/caretakers to monitor the patients around the clock. To avoid this problem, this medicine reminder system is developed.
- An app is built for the user (caretaker) which enables him to set the desired time and medicine. These details will be stored in the IBM Cloudant DB.
- If the medicine time arrives the web application will send the medicine name to the IoT Device through the IBM IoT platform.
- The device will receive the medicine name and notify the user with voice commands.

What we learn:

By the end of the project, you will:

- Gain Knowledge of Watson IOT platform.
- Connecting IOT devices to the Watson IOT platform and exchanging the sensor data.
- Gain knowledge on IBM Watson Cloudant DB.
- Explore Python Client libraries of Watson IOT platform.
- Gain Knowledge of web application development.
- Gain Knowledge of Node-RED and its application.
- Gain Knowledge of Text to Speech service.

To accomplish Objective, we have to complete all task and activities below:

Create and configure IBM Cloud Services.

1. Create IBM Watson IOT platform and Device.
2. Create Text to speech service.
3. Create Node-Red Service.

Develop python script.

1. Develop python script

Develop a web application using Node-Red Service.

1. Develop web application using Node-Red.
2. Testing web UI by giving the required inputs.