

PROJECT OBJECTIVES

DATE	2-10-2022
TEAM ID	PNT2022TMID15069
PROJECT NAME	Personal Assistance for Seniors who are Self-Reliant

By the end of this project you will:

- Gain knowledge of Watson IoT Platform.
- Connect IoT devices to the Watson IoT platform and exchange the sensor data.
- Gain knowledge on IBM Text to Speech Service
- Explore python client libraries of Watson IoT Platform, Text to Speech Service.
- Gain knowledge on IBM Cloudant DB
- Creating a Web Application that interacts with IoT device

Project Flow:

- Users can configure the medicine name, and time through a web application.
- All the medicine details will be stored in the IBM Cloudant DB.
- The web application will send the medicine name to the IoT device at the desired time.
- After getting the medicine name the device will speak out the medicine name using IBM text-to-speech Service to intimate the user to take the medicine.

To accomplish this, we have to complete all the activities and tasks listed below:

- Create and configure IBM Cloud Services
 - Create IBM Watson IoT Platform
 - Create a device & configure the IBM IoT Platform
 - Create Node-RED service
 - Create text-to-speech service
 - Create a database in Cloudant DB to store medicine details
- Develop a web Application using Node-RED Service
- Develop a python script to subscribe to the IBM IoT platform & Generate voice alerts