

**TEAM ID: PNT2022TMID11032**

**PROJECT NAME: PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF-RELIANT**

### **PROJECT OBJECTIVES**

- 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 desired time.
- After getting the medicine name, the device will speak out the name of the medicine 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 and 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 and to generate voice alerts