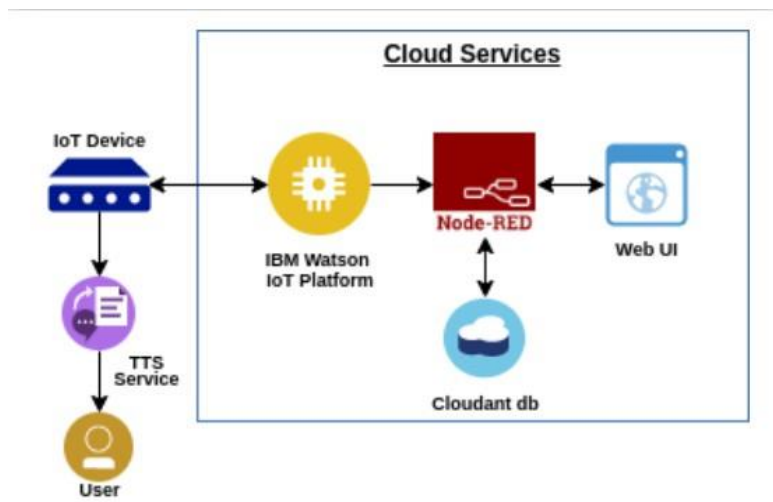


## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	16 October 2022
Team ID	PNT2022TMID12805
Project Name	Personal Assistance For Seniors Who Are Self-Reliant



Medicine / Supplements



Elders



**Table-1 : Components & Technologies:**

<b>S. No</b>	<b>Component</b>	<b>Description</b>	<b>Technology</b>
1.	User Interface	Mobile App	MIT
2.	Application Logic-1	Gathering information about medications and examining timing	Python
3.	Application Logic-2	Alarms	IBM Watson
4.	Cloud Database	Cloud database service	Cloudant DB by IBM

**Table-2: Application Characteristics:**

<b>S. No</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
1.	Open-Source Frameworks	Creating mobile applications, setting up IoT devices, programming IoT devices, using a text-to-speech service, and storing data in the cloud	BM Watson, Node Red, IBM Cloud, and Mit
2.	Security Implementations	Putting encryption to use for security	SHA-256.
3.	Scalable Architecture	The application can load as many members as there are logged in	IBM Watson, Mit
4.	Availability	Application is offered 24/7	IBM Watson, Node Red, IBM Cloud, and Mit
5.	Performance	Reminder with correct timing	lotf, lbn, and Watson