

## Project Design Phase-II

### Technology Stack (Architecture & Stack)

Date	13 October 2022
Team ID	PNT2022TMID36322
Project Name	Personal Assistance for Seniors Who are Self Reliant
Maximum Marks	4 marks

#### Technical Architecture:-

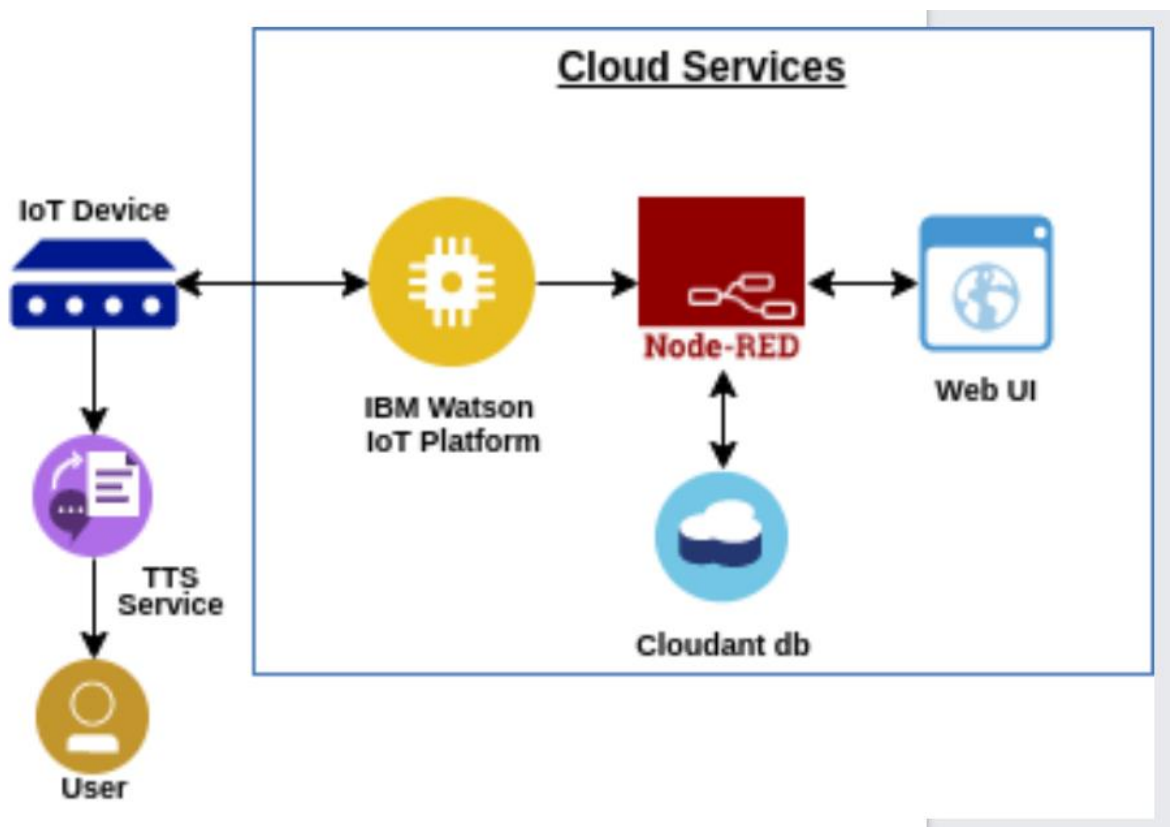


Table-1: Components and Technologies:-

S.NO:	Components	Description	Technology
1.	User Interface	Mobile App	MIT
2.	Application Logic-I	Gathering medicine details and the timings.	Python

3.	Application Logic-2	Alarms	IBM Watson
4.	Cloud Database	Database service on cloud	IBM Cloudant DB
5.	File Storage	File Storage requirements	IBM Block Storage
6.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model.

**Table-2: Application Characteristics:**

<b>S.NO:</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
1.	Open-Source Frameworks	Mobile application development setup, programming the IoT device, text to speech service, storing details in cloud.	MIT, IBM Watson, node red, IBM Cloud.
2.	Security Implementations	Implementing encryption for security purpose	SHA-256
3.	Scalable Architecture	Application is able to load as many members as logged in.	MIT, IBM Watson.
4.	Availability	Application is available 24/7	MIT, IBM Watson, node red, IBM Cloud
5.	Performance	Reminder with correct timing.	IBM Watson, IBM IoT Platform.