

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

Date	03 October 2022
Team ID	PNT2022TMID54076
Project Name	Personal Assistance for Seniors Who Are Self-Reliant.
Maximum Marks	4 Marks

Technical Architecture:

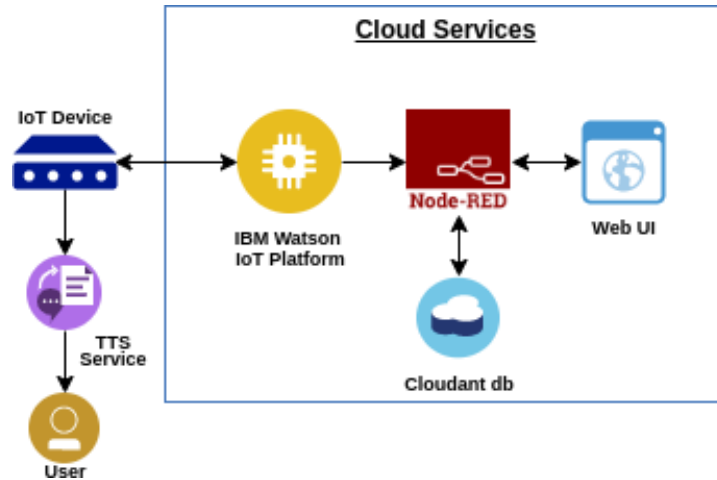


Table-1: Components & Technologies:

S. No	Component	Description	Technology
1.	User Interface	Mobile App	MIT
2.	Application Logic-1	Gathering medicine details and check the timings	Python
3.	Application Logic-2	alarms	IBM Watson
4.	Cloud Database	Database Service on Cloud	IBM Cloud and DB

Table-2: Application Characteristics:

S. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Mobile application development setup, programming the IoT device, text-to-speech service, storing details in the cloud	MIT, IBM Watson, node-red, IBM Cloud
2.	Security Implementations	Implementing encryption for security purposes	SHA-256.
3.	Scalable Architecture	The 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