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

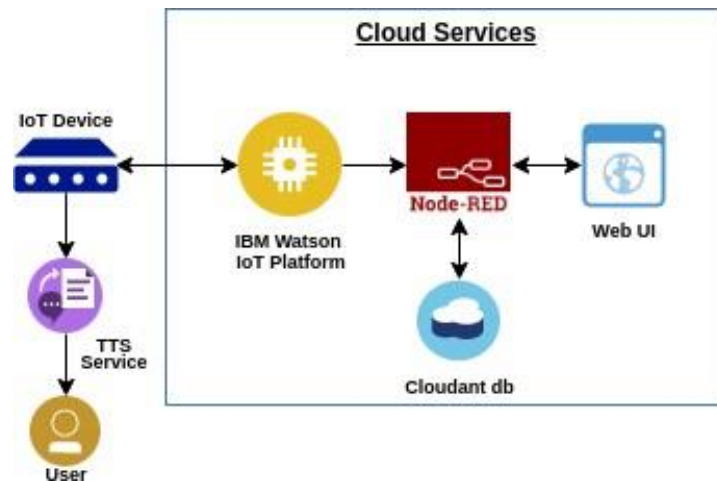| Date	19-10-2022
Team ID	PNT2022TMID00130
Project Name	Personal Assistance for seniors who are self reliant – Medicine Reminder.
Maximum Marks	4 Marks

Technical Architecture:

Table-1: Components & Technologies:

S. No	Characteristics	Description	Technology
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

Table-2: Application Characteristics:

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 Cloudant DB