Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID52021
Project Name	Personal Assistance for Seniors who are Self Reliant
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

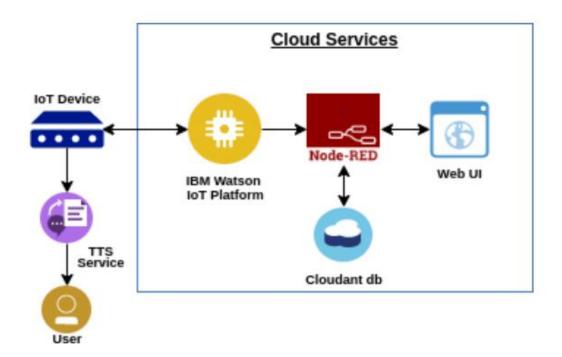**Table-1 :**   **Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	Mobile App	MIT
2.	Application Logic-1	Collecting information about medications and checking the timings	Python
3.	Application Logic-2	Alarms	IBM Watson
4.	Cloud Database	Database Service on Cloud	IBM Cloudant DB

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Configuration for mobile application development, programming the IoT device , text-to-speech services, and storing details in cloud	MIT,IBM Watson,node red,IBM cloud
2.	Security Implementations	Encryption implementation for security	SHA-256
3.	Scalable Architecture	The application can load as many members as there are logged in.	MIT,IBM Watson
4.	Availability	Application is available 24/7	MIT,IBM Watson,node red,IBM cloud
5.	Performance	Reminds the users at the right time	IBM Watson,IBM IoT Platform