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

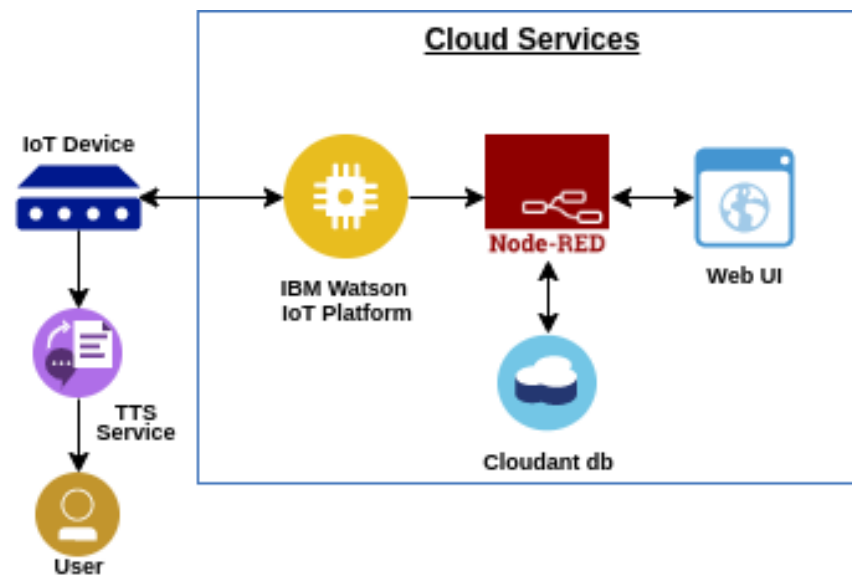|	
Date	03October 2022
Team ID	PNT2022TMID52309
Project Name	Personal Assistance For Seniors Who Are Self-Reliant
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Mobile App	MIT
2.	Application Logic-1	Gathering medicine details	Python
3.	Application Logic-2	Alarms	IBM Watson STT service
4.	Cloud Database	Database Service on Cloud	IBM Cloudant DB

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Mobile ,application development setup,programming the IopT dfevice ,text to speech service,storing details in cloud.	MIT,IBMWatson,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