

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

Date	15 th October 2022
Team ID	PNT2022TMID32772
Project Name	Personal Assistance for Seniors who are Self-Reliant
Maximum Marks	4 Marks

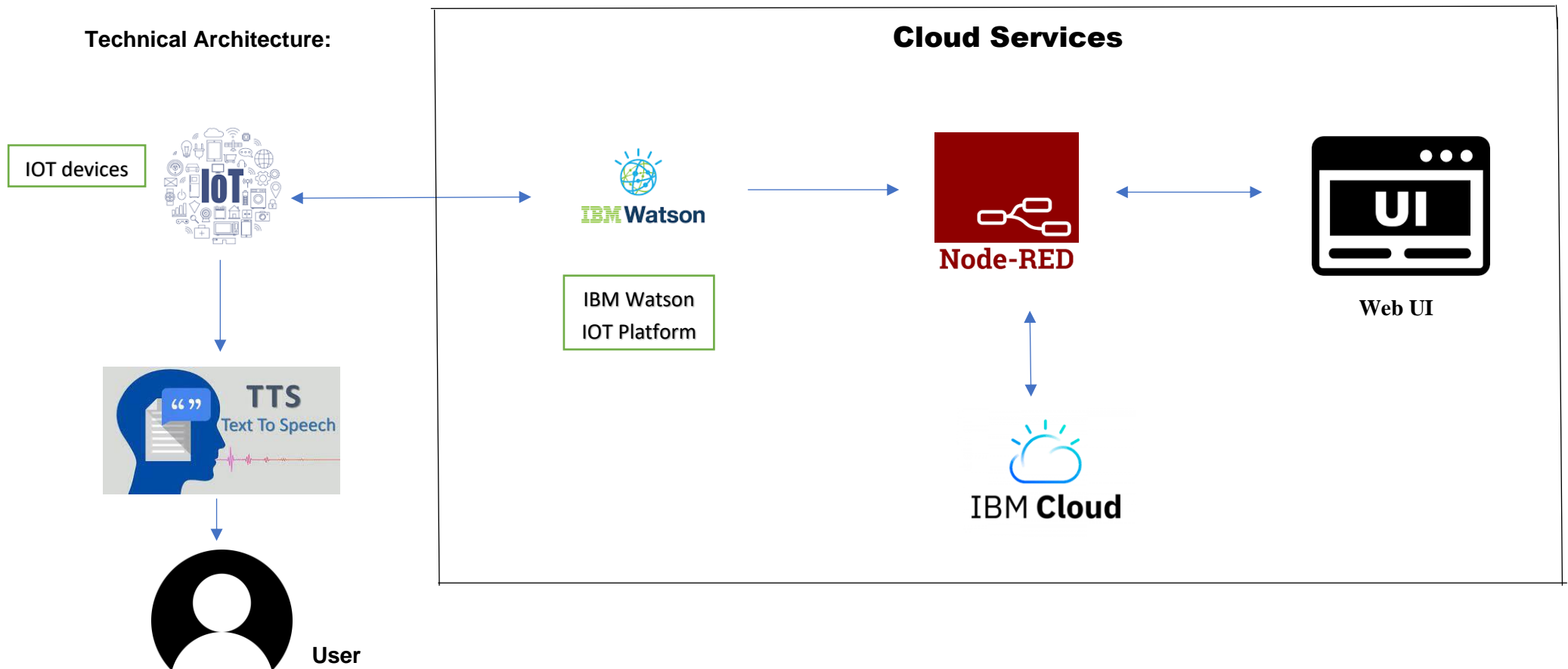


Table-1 : Components & Technologies:

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	Set alarms	IBM Watson
4.	Cloud Database	Database service provide on cloud	IBM Cloudant DB

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Mobile application devolpment setup, programming the IOT devices, text to speech service, storing details in cloud	MIT, IBM Watson, node red, IBM cloud
2.	Security Implementations	Improving security by implementing encryption for the purpose of security	SHA-256
3.	Scalable Architecture	Application is able to load as many members as logged in	MIT, IBM Watson
4.	Availability	Application is available in 24/7	MIT, IBM Watson, node red, IBM cloud
5.	Performance	Reminder with proper timing	IBM Watson, IBM IOT platform