

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

Date	03/11/2022
Team ID	PNT2022TMID27544
Project Name	Personal Assistance for Seniors who are Self-Reliant
Maximum Marks	4 Marks

Technical Architecture:

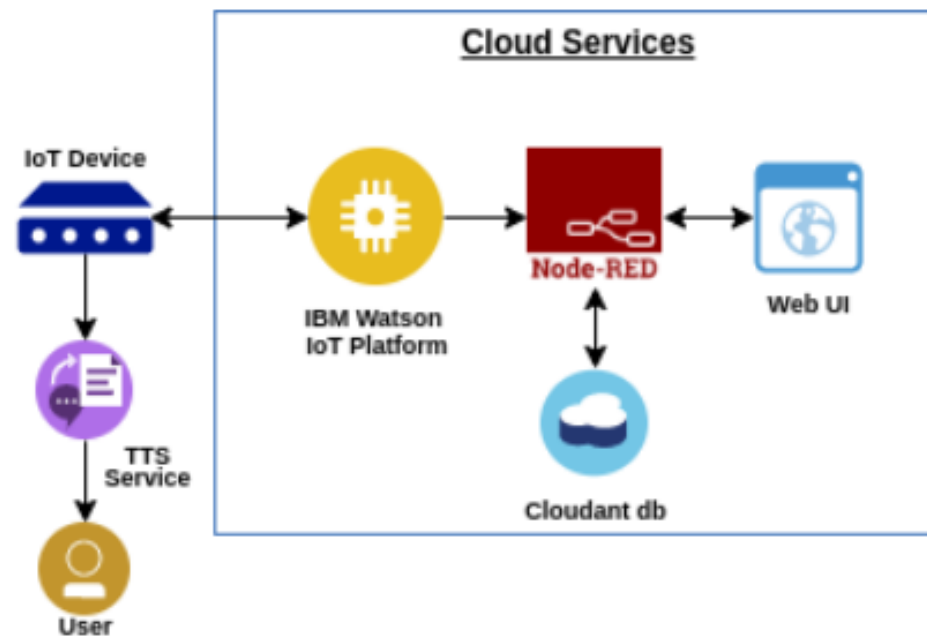


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Mobile Application	MIT
2.	Application Logic-1	Medicine Data Collection	Python
3.	Application Logic-2	Alarms	IBM Watson

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Mobile Application Development Setup, Programming through IOT Device, Text To Speech Service, Storing details in cloud	MIT, IBM Watson, Node RED Service, IBM Cloud
2.	Security Implementations	Implementing encryption for Security purposes	SHA-256 Encryptions,
3.	Scalable Architecture	Application is able to handle higher loads of multiple users	MIT, IBM Watson
4.	Availability	Application is a web based application. Hence it is 24/7 available.	IBM Watson
5.	Performance	Application is able to handle higher loads simultaneously	IBM Cloud, Node RED

