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

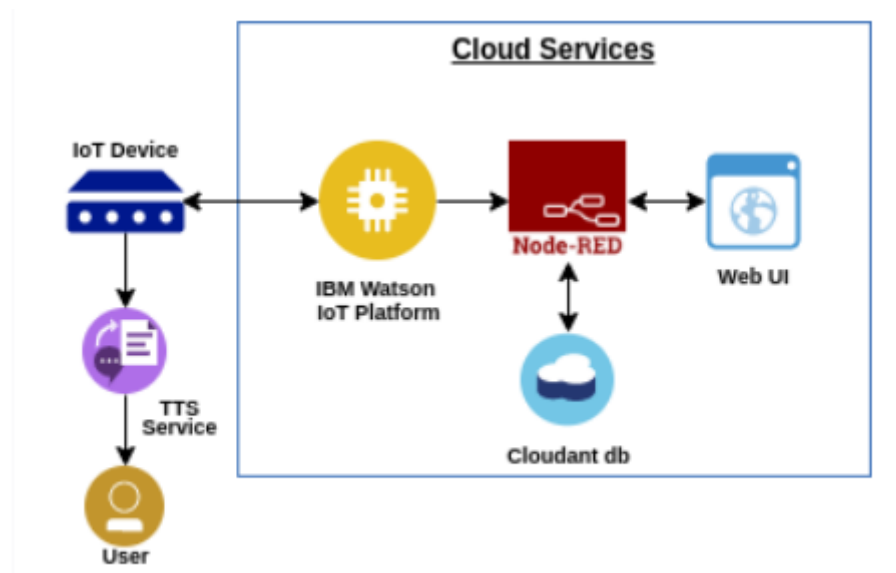| Date	03 October 2022
Team ID	PNT2022TMID10148
Project Name	Personal assistance for seniors who are self-reliant
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Mobile App	MIT
2.	Application Logic-1	Gathering Medicine details and check 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	List the open-source frameworks used	MIT, IBM Watson, node red, node red, IBM cloud
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	SHA-256
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	MIT, IBM Watson
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	MIT, IBM Watson, node red, node red, IBM cloud
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	IBM Watson, IBM IoT platform