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

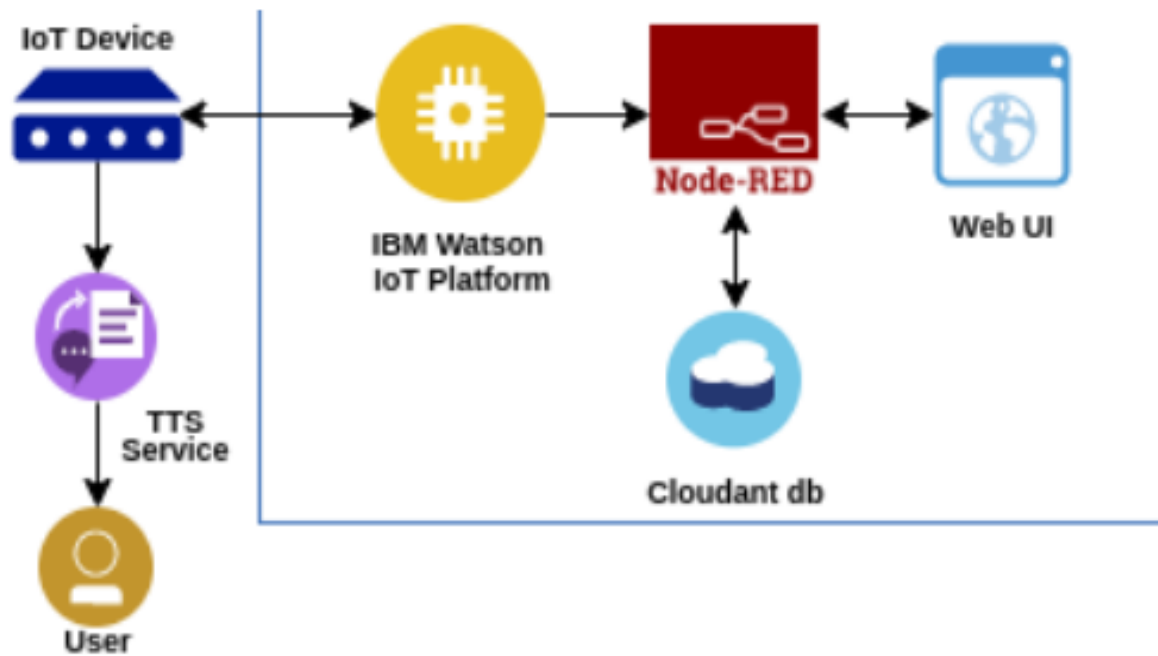|	
Date	15 October 2022
Team ID	PNT2022TMID15483
Project Name	Project – Personal Assistant for Seniors who are self-reliant
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S. No	Component	Description	Technology
1.	User Interface	Web application	MIT app inventor
2.	Application Logic-1	Convert text to speech	IBM Watson TTS service
3.	Application Logic-2	Light weight messaging protocol	MQTT
4.	Database	String, int, float	MySQL
5.	Cloud Database	Stores data	IBM Cloudant DB
6.	External API-1	Get the data from the user	Web API

Table-2: Application Characteristics:

S. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Accept many subscriber	Web application
2.	Security Implementations	Uses firewall	Data encryption
3.	Availability	Resources available in sever	Cloudant DB
4.	Performance	Real time accessing, connected to server all the time	IOT