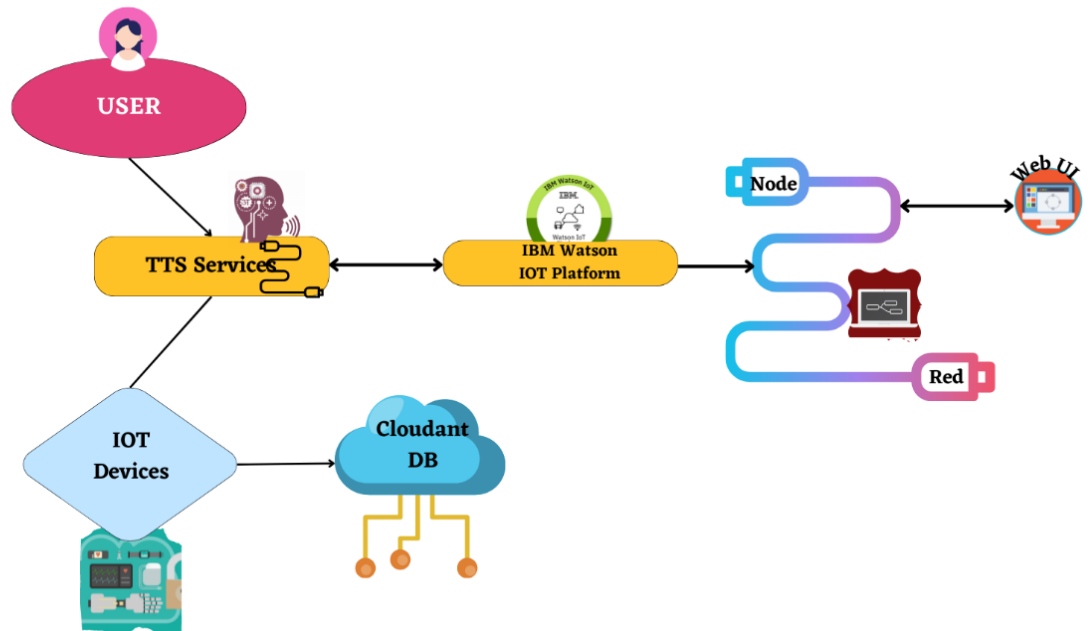


**Project Design Phase- II**  
**Technology stack (Architecture & Stack)**

Date	03 October 2022
Team ID	PNT2022TMID17990
Project Name	Project – Personal Assistant for Senior People's Who are Self-Reliant
Maximum Marks	4 Marks

**Technical Architecture:**

**Technical Architecture**



**Table – 1: Component & Technologies:**

<b>S. No</b>	<b>Component</b>	<b>Description</b>	<b>Technology</b>
1.	User Interface	Web application.	MIT app inventor
2.	Application Logic - 1	Converting Text-to-Speech.	TTS service by IBM
3.	Application Logic - 2	Light weighted protocol.	MQTT
4.	Database	Int , Float ,Strings.	MySQL
5.	Cloud Database	Data storage platform.	Cloudant DB
6.	External API - 1	Access the data from the users.	Web API

**Table – 2: Application Characteristics:**

<b>S. No</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
1.	Performance	Easy to access and always connected to network.	IOT
2.	Security Implementation	Uses firewall	Data encryption
3.	Availability	Always accessible in sever	Cloudant DB
4.	Open-Source Framework	Publicly accessible	Web applications