Project Design Phase- II

Technology Stack (Architecture & Stack)

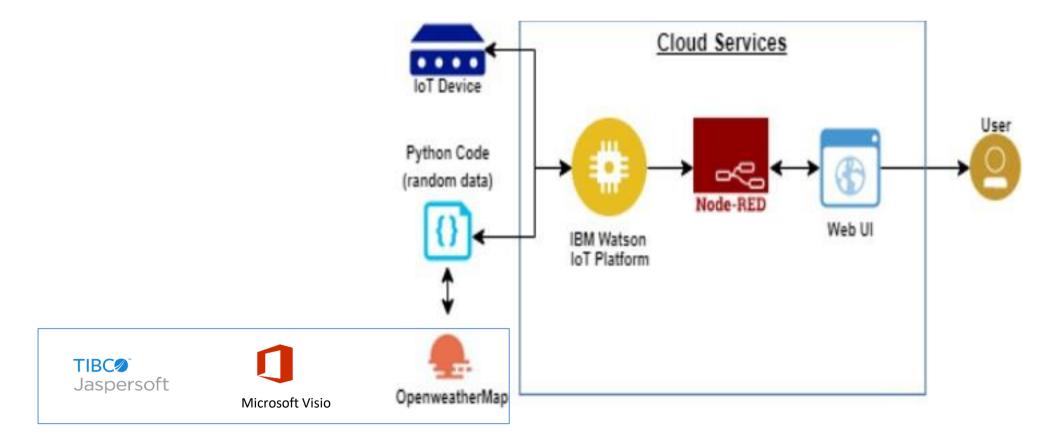| Date	15 October 2022
Team ID	PNT2022TMID46406
Project Title	Signs With Smart Connectivity for Better Road Safety
Maximum Marks	4 Marks

Technical Architecture :

Table 1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	In what way we have to interact with the application	Python
2.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
3.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
4.	Cloud Database	Cloud which has database service	IBM DB2, IBM Cloudant etc.,
5.	External API-1	Purpose of External API used in the application	IBM Weather API
6.	External API-2	Purpose of External API used in the application	TIBSCO JasperSoft REST API
7.	External API-3	Purpose of External API used in the application	Visio JavaScript API

Table 2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Security Implementations	Here no one will be able to access without login credentials in a very strong security system	Firebase, Firewall, Cyber resiliency strategy
2.	Scalable Architecture	By increasing the bandwidth the operating range can be increased	IOT Internet
3.	Availability	Available 24/7	IBM Cloud
4.	Performance	It can support a large amount of users to access the technology	IBM Cloud