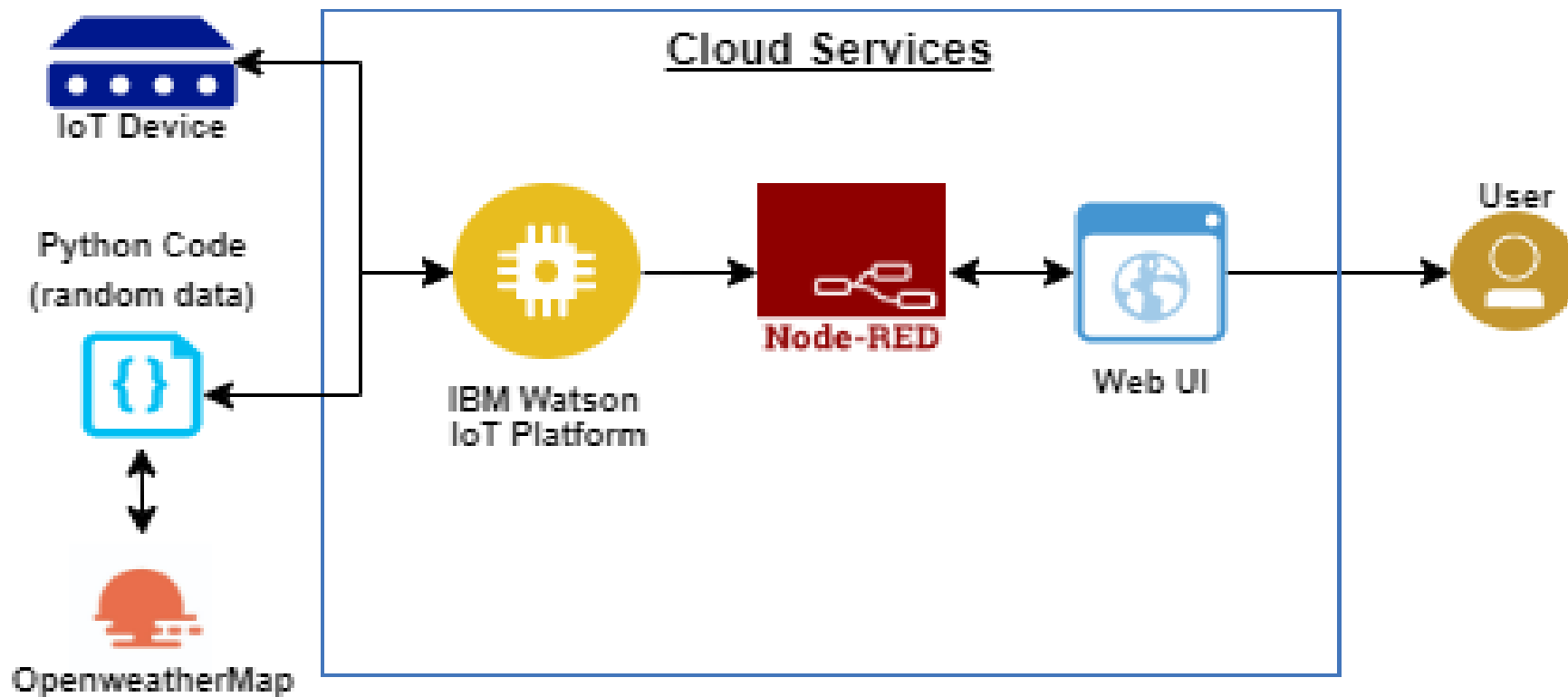**Project Design Phase-II**
Technology Stack (Architecture & Stack)

Date	20 October 2022
Team ID	PNT2022TMID19266
Project Name	Project – 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	How must we communicate with the application	Python
2.	Application Logic-1	Logic for a process in the application	Java / Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Cloud Database	Cloud service with a database	IBM DB2, IBM Cloudant etc.
6.	External API-1	Purpose of External API used in the application	IBM Weather API, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Technology of Opensource framework
2.	Security Implementations	No one will have access to this without login information with very high security system	Firebase, Firewall, Cyber resiliency strategy
3.	Scalable Architecture	By expanding the operating system's bandwidth range may be expanded	IOT Internet
4.	Availability	Available 24/7	IBM Cloud
5.	Performance	It can accommodate many users at once. utilising the technologies	IBM Cloud