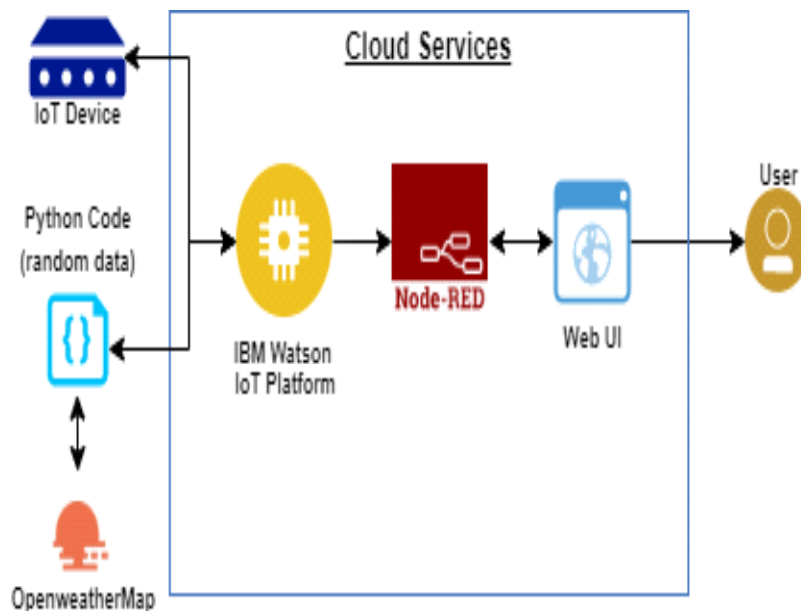


## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID44776
Project Name	Project – SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY
Maximum Marks	4 Marks

### Technical Architecture:

### Technical Architecture:



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
•	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js,python , c++
•	Application Logic-1	Logic for a process in the	Java / Python

		application	
•	Application Logic-2	Logic for a process in the application	IBM Watson STT service
•	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
•	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
•	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
•	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
•	External API-1	Purpose of External API used in the application	IBM Weather API, etc.
•	External API-2	Purpose of External API used in the application	Aadhar API, etc.
•	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model, etc.
•	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
•	Open-Source Frameworks	<i>TINKER CAD, NODERED, IBM WATSON, MURAL, MIRO, PYCHARM</i>	Firewall, Firebase, cyber resiliency, strategy
•	Security Implementations	<i>Powerful security system for everyone's peace of mind No access data Hackers cannot access network</i>	IoT, internet
•	Scalable Architecture	<i>EASY TO EXTEND THE NETWORK WITH THE AID OF THE BANDWIDTH OF THE NETWORK</i>	IBM Cloud
•	Availability	<i>Available every time and everywhere 24/7 so long as the consumer is signed into the network.</i>	IBM Cloud
•	Performance	<i>AIDS MASSIVE RANGE OF USERS TO USE TECHNOLOGY</i>	IBM Cloud

