

Project Design Phase-II

Technology Stack (Architecture & Stack)

Team ID	PNT2022TMID17071
Project Name	Signs with Smart Connectivity for Better Road Safety

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table 1 & table 2

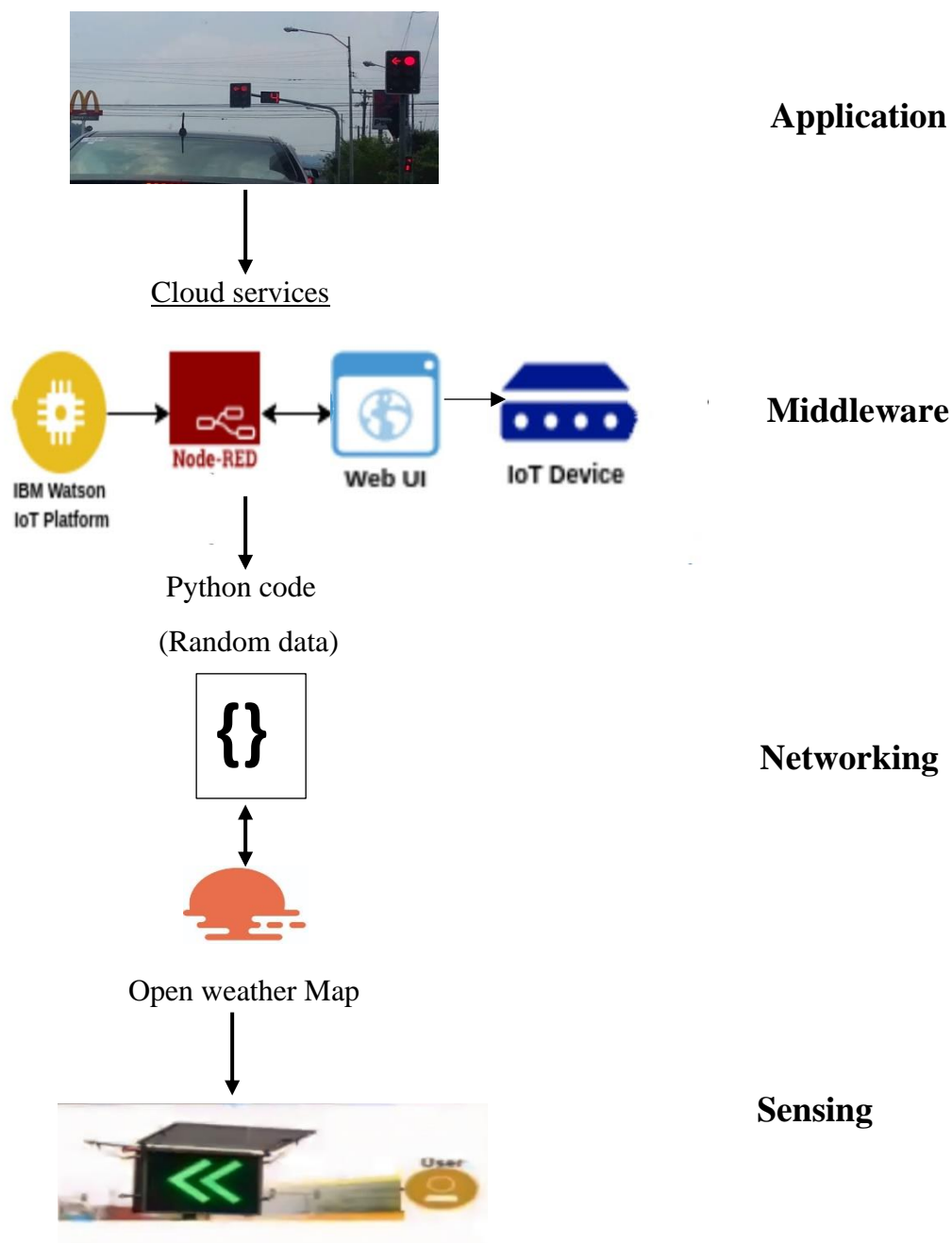


Table-1 : Components & Technologies:

S.No.	Component	Description	Technology
1.	User Interface	How user interacts with application. e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js
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	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
5.	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.	Security implementations	Strong security system that anyone without login credentials and hackers are not allowed to enter the network	Firewall, Firebase, cyber resiliency strategy
2.	Scalable Architecture	Easy to expand the operating range by increasing the bandwidth of the network	IOT, internet
3.	Availability	Available anytime and everywhere 24/7 as long as the user is signed into the network	IBM Cloud
4.	Performance	Supports a large number of users to access the technology simultaneously.	IBM Cloud