Project Design Phase-I
Solution Architecture

DATE	07/10/2022
TEAMID	PNT2022TMID01063
PROJECT NAME	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

SOLUTION ARCHITECTURE:

Application

Cloud Services
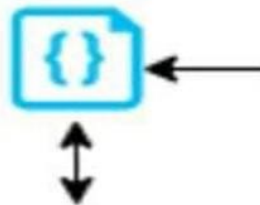

IBM Watson
IoT Platform

Node-RED

Web UI

IoT Device
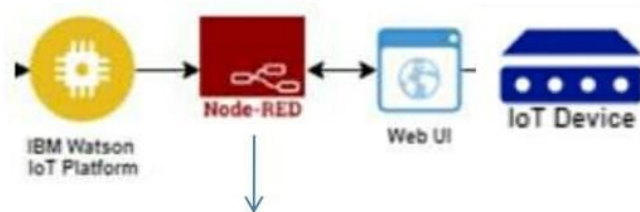
Middleware

Python Code
(random data)

Networking

OpenweatherMap

User

Sensing

```
                          START

              Location Data

Get data from        Is it near          Is it near        Read Images
Weather API          Schools,            Hospitals ?       from Camera
                     Colleges ?

Is it Raining ??     SLOW DOWN if                          Is it Foggy ???
                     working hours/day

Slower Speed              DO NOT HONK                      Slower Speed
Displayed                                                  Displayed

                          END
```