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

Date	03 November 2022
Team ID	PNT2022TMID5315
Project Name	Project - Signs with Smart Connectivity for Better Road Safety
Maximum Marks	4 Marks

Technical Architecture:

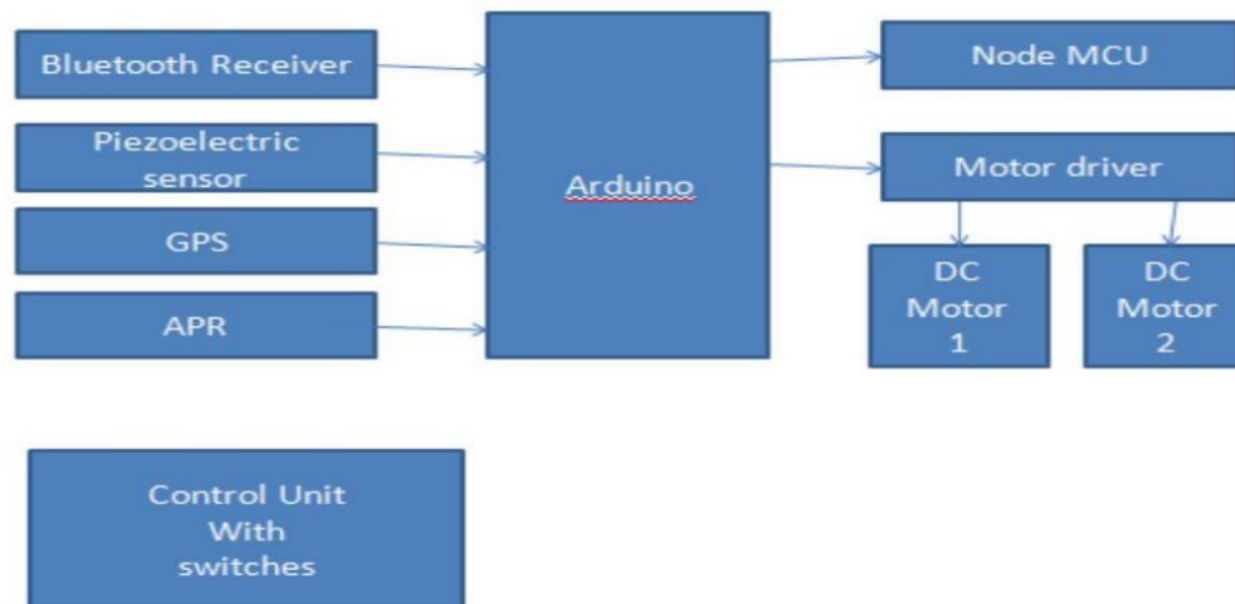The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Table-1 : Components & Technologies:

S.NO	COMPONENTS	DESCRIPTION	TECHNOLOGIES
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular JS / React JS etc.
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 I	IBM Weather API etc.

Table-2: Application Characteristics:

S.NO	CHARACTERISTICS	DESCRIPTION	TECHNOLOGIES
1.	Security Implementations	Strong security measures prevent hackers and users without login credentials from accessing the network.	Firewall, Firebase, cyber resiliency strategy
2.	Scalable Architecture	By expanding the network's bandwidth, the operating range can be upgraded.	IoT, internet.
3.	Availability	Available at all times and locations 24/7 so long as the user is logged into the network.	IBM Cloud
4.	Performance	Allows a lot of people to use the technology at the same time.	IBM Cloud