Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	16 October 2022
Team ID	PNT2022TMID17377
Project Name	Project - SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User tracking	Tacking through driving behaviour. Tracking through digital process.
FR-2	Weather	Using open weather map
FR-3	Application programming interface	Open API keys.
FR-4	Sensor	Stand-alone-safety sensor GPS Sensor.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Specifies how systems should operate for the customer/end-user. i.e., how many clicks to get to a certain place?
NFR-2	**Security**	Focuses on how the system is kept secure,store data, and responds to attacks. i.e., What are the security protocols of the site?
NFR-3	**Reliability**	Defines the systems availability and the tolerance for failure. i.e., whats the target uptime?
NFR-4	**Performance**	Focuses on the systems sped,efficiency, and workload. i.e., how fast does the system respond?
NFR-5	**Availability**	It is a metric that measures the probability that a system is not failed or undergoing a repair action when it needs to be used.
NFR-6	**Scalability**	Ensures the system can respond to changes in demand. i.e., how will the system pull on additional resources?