Project Design Phase-II

Solution Requirements (Functional & Non-Functional)

Team ID	PNT2022TMID17036
Project Name	Signs with Smart Connectivity For Better Road Safety
Maximum Mark	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**	Speed Limit To be displayed automatically according to the weather condition. In fatal situations the diversion signs are displayed automatically.
FR-2	**Weather**	Using open weather Map
FR-3	**User interface**	Open API (application programming interface) Keys
FR-4	**Data processing**	The speed limitation & diversion sign must be updated in a web App.

FR-5	**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**	Indicates how framework should operate for the Customer or end-user.
NFR-2	**Security**	Focuses on how the framework is kept secure, store information and react to the attacks.
NFR-3	**Reliability**	Characterizes the frameworks accessibility and the tolerance for disappointment.
NFR-4	**Performance**	Focuses on the system speed, efficiency and workload.
NFR-5	**Availability**	It could be a metric that measures the probability that a framework is not failed or experiencing a repair activity when it should be utilized.
NFR-6	**Scalability**	Ensures the framework can react to changes in request.