

Project Design Phase-II

Solution Requirements (Functional & Non-Functional)

Team ID	PNT2022TMID13679
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.