

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

Date	22 October 2022
Team ID	PNT2022TMID08042
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 Registration	Sign boards should be made with LEDs that are brightly coloured and capable of attracting the attention of drivers, but they should not be too distracting or blinding as this may lead to accidents.
FR-2	User Understanding	The signs should be large, clear, and legible in order for the motorist to comprehend them, and they can also incorporate images.
FR-3	User Convenience	The signs should be large, clear, and legible in order for the motorist to comprehend them, and they can also incorporate images.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	When necessary, it should be able to upgrade and update.
NFR-2	Security	When necessary, it should be able to upgrade and update.
NFR-3	Reliability	It should be able to show information appropriately and without errors.
NFR-4	Performance	It should be able to update itself automatically when a weather or traffic problem happens.
NFR-5	Availability	It should be accessible 24 hours a day, seven days a week in order to benefit the consumer, i.e. the driver.
NFR-6	Scalability	It should be simple to update and upgrade in response to changes in the requirements.