

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

Date	22 October 2022
Team ID	PNT2022TMID51225
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	User registration can be done through a web application
FR-2	User Need	It should be fixed in the places where it is needed and less in places where it is not needed
FR-3	User Visibility	Sign boards should be brighten and attractive to the drivers so they can't distract to made accidents
FR-4	User Understanding	It should display information with images and texts so that the user can understand the signs
FR-5	User Convenience	The display should be clear enough and should be visible from far distance
FR-6	User Requirements	The static signboards and can be replaced with smart sign boards that has all needs

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It should be able to update whenever required with respect to time
NFR-2	Security	It should be secure enough then only the intended messages are displayed properly
NFR-3	Reliability	It should be able to display the information correctly without making any errors

NFR-4	Performance	The smart board should provide a better experience and deliver the accuracy output
NFR-5	Availability	It should be available 24/7 so that it can be useful to the users
NFR-6	Scalability	Should be modular and hence able to scale on servers horizontally