

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

Date	17 November 2022
Team ID	PNT2022TMID31677
Project Name	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	The registration can be done through a web application
FR-2	User Need	It Must be fixed in where it is needed and less in where it is notneeded.
FR-3	User Visibility	Sign boards should be 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 Easily.
FR-5	User Convenience	The display should be clear and visible from far distance.
FR-6	User Requirements	The signboards 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 it required with respect to time
NFR-2	Security	It should be secure enough then only the intended messages will 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 very useful to the users.
NFR-6	Scalability	Should be modular and hence able to scale on servers horizontally