

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

Date	12 October 2022
Team ID	PNT2022TMID17665
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 Visibility	Sign Board will have and clear and interactive UI so that it will be clearly visible to all the users.
FR-2	User Understanding	The signs that are to be displayed in the sign board will be with its respective names, so that the users can clearly understand everything
FR-3	User Convenience	Signs will be displayed flawlessly such that it will be of better convenience.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	For multiple sign display, time stamps will be allocated for each sign. It will automatic and dynamically changeable. No need for manual operations.
NFR-2	Security	Only required can will be showed. No chance of security vulnerability.
NFR-3	Reliability	More reliable than the existing system
NFR-4	Performance	Acceptable performance with dynamic updation of data regarding weather, traffic, etc..
NFR-5	Availability	It will available for working every 24/7.
NFR-6	Scalability	Implementation and Maintenance cost will be less, so that the product is highly scalable.