

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

Date	20 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	<b>Usability</b>	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	<b>Security</b>	Only required can will be showed. No chance of security vulnerability.
NFR-3	<b>Reliability</b>	More reliable than the existing system
NFR-4	<b>Performance</b>	Acceptable performance with dynamic updation of data regarding weather, traffic, etc..
NFR-5	<b>Availability</b>	It will available for working every 24/7.
NFR-6	<b>Scalability</b>	Implementation and Maintenance cost will be less, so that the product is highly scalable.