

Project Design Phase-II Solution Requirements

Date	14 October 2022
Team ID	PNT2022TMID12612
Project Name	Signs with Smart Connectivityfor Better Road Safety
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement	Sub Requirement (Story / Sub-Task)
FR-1	User Visibility	Sign Boards should be made with LED's which are bright colored and are capable of attracting the drivers attention
FR-2	User Need	The smart sign boards should be placed in location where the accident happens frequently.
FR-3	User Understanding	For better understanding of the driver, the signs should be big, clear .
FR-4	User Convenience	The display should be big enough that should be easy to understand.

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 Upgrade and Update .
NFR-2	Security	It should have good security and user information should be secured
NFR-3	Reliability	It should be able to display to correct information
NFR-4	Performance	It should be able to automatically update itself when certain weather Or traffic problem occurs.
NFR-5	Availability	It should be available 24/7 for the user
NFR-6	Scalability	It should be able to easily change and upgrade based on the needs