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

Team ID	PNT2022TMID17916
Project Name	Signs with Smart Connectivity for Better Road Safety

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 Boards should be made with LED's whichare bright colored and are capable of attractingthe drivers attention but it should also not be too distracting or blinding cause it may lead to accidents.
FR-2	**User Need**	The smart sign boards should be placed frequentlyin places it is needed and less in places where it isnot needed much to avoid confusion for the user during travel.
FR-3	**User Understanding**	For better understanding of the driver, the signsshould be big, clear and legible and it can also include illustrations which will make it easily understandable to the driver.
FR-4	**User Convenience**	The display should be big enough that it should even be visible from far distance clearly.

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 whenthere is a need for it.
NFR-2	**Security**	It should have good security system so that noother person is able to hack and display their own directions.
NFR-3	**Reliability**	It should be able to display to informationcorrectly and error-free.
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 so that it can bebeneficial to the customer i.e the driver.
NFR-6	**Scalability**	It should be able to easily change and upgradeaccording to change and need in requirement.