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

Date	07 November 2022
Team ID	PNT2022TMID47318
Project Name	Signs with Smart Connectivity for Better Road Safety
Batch	B8-2A4E

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 signs should be big, clear and legible and it can also include illustrations which will make it easily understandable to the driver.
FR-4	**Product Delivery and installation**	The installation fee will be depend upon the length of the road
FR-5	**User Convenience**	The display should be big enough that it should even be visible from far distance clearly.
FR-6	**Product Feedback**	Will be shared through a website via Gmail

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 when there is a need for it.
NFR-2	**Security**	It should have good security system so that no other person is able to hack and display their own directions.
NFR-3	**Reliability**	It should be able to display to information correctly and error-free.
NFR-4	**Performance**	It should be able to automatically update itself
NFR-5	**Availabilty**	All of the functions and the user demands will be provided,depend upon the customer needs
NFR-6	**Scalability**	The product is based on road safety and should cover the entire highway system