

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

Date	11 October 2022
Team ID	PNT2022TMID11060
Project Name	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 Requirements	Smart linked sign boards that meet all requirements will replace static signboards.
FR-2	User Registration	Manual Sign-Up using a Website or Gmail
FR-3	User Confirmation	Conformation through phone Conformation Through email And OTP authentication
FR-4	Payments options	Bank Transfer
FR-5	Product Delivery and installation	The length of the road will affect the installation cost.
FR-6	Product Feedback	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	Have easy-to-follow product instructions and a self-explanatory product..
NFR-2	Security	The network must contain cloud data, condensing it to be Avoid real-time avoidance, and keep an eye on the board at all times.
NFR-3	Reliability	Testing of hardware components is done on regular frequency
NFR-4	Performance	The user experience on the smart board needs to be improved, and output needs to be accurate.
NFR-5	Availability	Depending on the requirements of the user, all required functions will be offered.
NFR-6	Scalability	The product should cover the full highway system and is based on road safety.