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

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Date	12 October 2022
Team ID	PNT2022TMID11067
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 criteria will replace static signboards.
FR-2	User Registration	Manual Sign-Up using a Website or Gmail
FR-3	User Confirmation	OTP authentication through phone confirmation Email confirmation
FR-4	Payments options	Transfer via Bank
FR-5	Product Delivery and installation	The length of the road will decide the installation fee.
FR-6	Product Feedback	Using a website and Gmail

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Have clear product instructions and a product that is self-explanatory and easy to use.
NFR-2	**Security**	Cloud data must be contained within the network, eventually collapsing. Avoiding decisions in real time should be avoided, and the board should be regularly observed.
NFR-3	**Reliability**	Hardware is thoroughly tested.
NFR-4	**Performance**	The smart board must improve the user experience and give accurate output.
NFR-5	**Availability**	Depending on the needs of the consumer, all of the functions that the user need will be offered.
NFR-6	**Scalability**	The device is designed to improve traffic safety and should cover the entire highway system.