

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

Date	25 October 2022
Team ID	PNT2022TMID14030
Project Name	Project – 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 Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User approval	Done by mails Done by messages via SMS
FR-4	Testing	Testing is done by API and UI
FR-5	End result	Product features decides the end result

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Will provide the clear product instructions and a self-explanatory product which is simple to use.
NFR-2	Security	Cloud data must be contained within the network, collapsing to be the real-time avoidance should be avoided, and the board will be monitored constantly.
NFR-3	Reliability	Hardware will be frequently tested
NFR-4	Performance	The smart board must provide a better user experience and deliver the accuracy output.
NFR-5	Availability	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.