

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

Date	03 November 2022
Team ID	PNT2022TMID40472
Project Name	Project - Signs with Smart Connectivity for Better Road Safety
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Requirements	Static signboards will be replaced with smart linked sign boards that meet all criteria.
FR-2	User Visibility	Sign Board will have and clear and interactive UI so that it will be clearly visible to all the userr.
FR-3	User Registration	User Registration can be done through a Website
FR-4	Product Delivery and installation	The installation will be depend upon the length of the road.
FR-5	Product Feedback	Will be shared through a website via Gmail

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Multiple sign display will automatic and dynamically changeable. No need for manual operations.
NFR-2	Security	Cloud data must be contained within the network, so there is no chance of security susceptibility.
NFR-3	Reliability	More reliable than the existing system.
NFR-4	Performance	Acceptable performance with dynamic updation of data regarding weather, traffic, etc..
NFR-5	Availability	All the time 24/7 avalialbe
NFR-6	Scalability	The product is based on road safety and reduces the traffic so our product Scalability is high.