

**Project Design Phase-II
Solution Requirements**

Date	17 October 2022
Team ID	PNT2022TMID35873
Project Name	Signs with Smart Connectivity for Better Road Safety

Functional Requirements:

FR No.	Functional Requirement	Sub-Requirement
FR-1	Convenience	The implemented device must not be a distraction to the usual driving experience
FR-2	Understanding	Information Conveyed must be understandable by anyone driving the vehicle
FR-3	Visibility	Traffic and Weather Conditions must not be a hindrance to the signs

Non-functional Requirements:

NFR No.	Non-Functional Requirement	Description
NFR-1	Security	Only intended data must be displayed and collected.
NFR-2	Capacity	Low Storage requirements, physically and memory-wise.
NFR-3	Compatibility	Suitable for all types of vehicles
NFR-4	Reliability and Availability	Must work on all conditions
NFR-5	Maintainability and Manageability	Easy to manage by anyone and service must be quick
NFR-6	Scalability	Must be able to manage huge workloads
NFR-7	Usability	Easy to use despite the environmental conditions