

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

Date	15 October 2022
Team ID	PNT2022TMID32727
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 visibility	Visibility refers to a motorist's ability to clearly see traffic and environmental surroundings on the road.
FR-2	User need	A proper knowledge about traffic rules is very important for any driver, our aim is to give the user solution for better road safety and to reduce number of accidents that occur every year.
FR-3	User understanding	Road traffic safety refers to the methods and measures used to prevent traveller from being killed by an accident or seriously injured.
FR-4	User convenience	Passive traffic safety measures sought to avoid influencing the behavior of drivers while giving vehicles maximum convenience.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It should easy to see.
NFR-2	Security	Two wheelers must always wear helmets and for four wheelers both driver and passengers put on their seatbelts.
NFR-3	Reliability	Traffic and weather updates must be great accuracy And errorless.
NFR-4	Performance	It must work in high speed.
NFR-5	Availability	It must be available for the user 24/7.
NFR-6	Scalability	The device must be able to adapt to the changes in the environment and meet the changing needs in the future.