

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

Date	19 October 2022
Team ID	PNT2022TMID01063
Project Name	Project – Signs with smart connectivity with 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 mobile number (or) Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User visibility	Sign board should not be too distracting to cause accidents. It should be made intense coloured LED's capable of attracting driver's attentions
FR-4	User understanding	Should display information like images or illustrations with captions so that user can understand the signs correctly
FR-5	User convenience	Speed could be predicted according to weather information

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Should be able to update periodically with respective time (weather)
NFR-2	Security	Should be secure enough that users could access only after getting confirmation through email or OTP
NFR-3	Reliability	Should convey the traffic information correctly
NFR-4	Performance	Proper functioning of sign board according to weather condition
NFR-5	Availability	Should be available anytime and anywhere(app)
NFR-6	Scalability	Easily adaptable