

**Solution Requirements**  
**(Functional & Non-Functional)**

<b>Date</b>	10 October 2022
<b>Team ID</b>	PNT2022TMID22104
<b>Project Name</b>	Signs with smart connectivity for better road safety
<b>Maximum Marks</b>	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirements (Epic)</b>	<b>Sub Requirement (Story/Sub-Task)</b>
<b>FR-1</b>	<b>User Requirements</b>	Static signboards will be replaced with smart linked signboards that meet all criteria.
<b>FR-2</b>	<b>User Registration</b>	Manual Registration through E-mail or An website.
<b>FR-3</b>	<b>User Confirmation</b>	Confirmation Through E-mail (or) Confirmation Through OTP
<b>FR-4</b>	<b>User Approval</b>	Done by mails (or) by messages via SMS.
<b>FR-5</b>	<b>Payments options</b>	Can be done by Bank Transfer or by UPI.
<b>FR-6</b>	<b>Product Delivery and installation</b>	The installation fee will be determined by the length of the road.
<b>FR-7</b>	<b>Product Feedback</b>	Through a website via E-mail.
<b>FR-8</b>	<b>End Result</b>	Product features decides the end result

## Non-functional Requirements:

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

FR No.	Non-Functional Requirements	Description
NFR-1	Usability	It should be able to Upgrade and Update when there is a need for it.
NFR-2	Security	It should have good security system so that no other person can hack and display their own directions.
NFR-3	Reliability	It should be able to display to information correctly and error-free
NFR-4	Performance	It should be able to automatically update itself when certain weather or traffic problem occurs.
NFR-5	Availability	It should be available 24/7 so that it can be beneficial to the customer i.e., the driver.
NFR-6	Scalability	It should be able to easily change and upgrade according to change and need in requirement.