

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID18146
Project Name	Project - Signs with smart connectivity for better road safety
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Replacing the static signs for roads by digital sign board for better navigation, avoid traffic and fatal situations like floods, natural calamities, etc.
2.	Idea / Solution description	By setting a digital sign with the help of IoT concepts and algorithms to improvise the system to digitalise the sign boards for reliable and effective for future.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>As it uses real time weather conditions the signs change according to current situations.</li> <li>Even in extreme weather conditions these sign boards are clearly visible and help the drivers to navigate to their respective destination.</li> <li>The speed limits are also got vary according to weather, or with respect to roads or any other locations like school zones, hospital areas, etc.</li> <li>Signs will be displayed according to the locations like schools, hospitals, etc.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>This will useful for the traffic officers to regulate the traffic easily.</li> <li>The customer satisfies by this as it shows the correct routes even though there is any problem in the way to their destination.</li> <li>This will be useful for the beginners to learn the traffic regulations while traveling to different places.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>With this model all the people get aware of the traffic rules and can drive safely.</li> <li>It's a budget friendly and government support this creative ideation.</li> <li>Every people get beneficial and can improve their lifestyle.</li> </ul>

6.	Scalability of the Solution	This model will greatly helpful in both day and night and even in extreme weather situations and reduce accidents.
----	-----------------------------	--