

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

Date	19 September 2022
Team ID	PNT2022TMID52636
Project Name	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)	<ul style="list-style-type: none"> <li>To ease the journey of the drivers and passengers by using smart road signs that dynamically change based on the situations like accidents, traffic jam, intensity of traffic, etc</li> </ul>
2.	Idea / Solution description	<ul style="list-style-type: none"> <li>To prepare smart signs using IOT to replace the conventional signs to make the signs more reliable</li> </ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>Easily visible even in complete darkness</li> <li>They provide the driver's with information like humidity and weather conditions which isn't available now</li> <li>Since the signs are dynamically changing, we can use as many signs as we want in a single board</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>Drivers can be easily notified with the road conditions ahead</li> <li>Fear of getting in an accident is reduced</li> <li>Efficient rerouting in high traffic</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>The smart road signs are placed in places where there are multiple signs in a place and people get confused.</li> <li>Revenue can be generated in a large scale by installing the sign boards in busy cities which have more traffic</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>The project can be installed in rural areas with less traffic to highly congested metropolitan cities thus saving people's precious time and also lives</li> </ul>