

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

Date	19 September 2022
Team ID	PNT2022TMID14814
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)	➤ To prevent the road accidents from happening using IOT.
2.	Idea / Solution description	<ul style="list-style-type: none"> <li>➤ By Preparing smart signs using IOT instead of regular signs hung on the road.</li> <li>➤ Smart signs are built with IOT and LED are used.</li> </ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>➤ Since LED'S are used it will be visible.</li> <li>➤ The smart signs consist of temperature, humidity, wind speed.</li> <li>➤ This information is received from weather monitoring app.</li> <li>➤ It also gives information about nearby Places such as hospitals, schools, etc. so that the users can decide their speeding according to that information.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>➤ These create a noticeable impact on the road safety department.</li> <li>➤ By deciding a speed limit for the user, there is significant chance in reducing the accidents.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>➤ By executing these for commoners by the government, it is great initiative in creating an awareness among the people.</li> <li>➤ A separate budget can be allotted for this by the government, which paves a way for a safer environment.</li> </ul>
6.	Scalability of the Solution	➤ It has greater chance in reducing the risk for the people as it is more visible than the normal signs, which saves a lot of lives at stake.