

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

<b>Date</b>	19 September 2022
<b>Team ID</b>	PNT2022TMID45401
<b>Project Name</b>	Signs with smart connectivity for better road safety
<b>Maximum Marks</b>	2 Marks

**Proposed Solution Template:**

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

<b>S.No.</b>	<b>Parameter</b>	<b>Description</b>
<b>1.</b>	<b>Problem Statement (Problem to be solved)</b>	<ul style="list-style-type: none"> <li>To prevent the road accidents from happening using IOT.</li> </ul>
<b>2.</b>	<b>Idea / Solution description</b>	<ul style="list-style-type: none"> <li>By preparing a 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>
<b>3.</b>	<b>Novelty / Uniqueness</b>	<ul style="list-style-type: none"> <li>Since LED's are used which is visible from afar.</li> <li>The smart signs consists of temperature,humidity,wind speed.</li> <li>These information are 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>
<b>4.</b>	<b>Social Impact / Customer Satisfaction</b>	<ul style="list-style-type: none"> <li>These create a noticable impact on the road saftey department.</li> <li>By deciding a speed limit for the user,there is significant chance in reducing the accidents.</li> </ul>
<b>5.</b>	<b>Business Model (Revenue Model)</b>	<ul style="list-style-type: none"> <li>By executing these for commoners by the government ,it is a great intiative in creating a awareness amonfg 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>
<b>6.</b>	<b>Scalability of the Solution</b>	<ul style="list-style-type: none"> <li>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.</li> </ul>