

## Project Design Phase-I Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID51479
Project Name	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFTY
Maximum Marks	2 Marks

### Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"><li>The actual problem is that drivers are unable to know whether the road condition is safe to travel or not.</li><li>Hence there will be a need of guidance to provide the safety and to avoid the inconvenience to reach the destination.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>This problem can be overcome by using rain drop sensor to indicate there is rain is occurs or not.</li><li>Using GPRS and IR sensor with camera to sense the traffic in dark areas.</li><li>Collecting information from the local</li></ul>

		<p>peoples and the decisions are made by the controller who control the display manually.</p>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>• Digital sign boards are convey the information to the driver using Embedded and IOT technology.</li> <li>• Speed limit changes according to the weather condition using rain drop sensor.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>• The proposed system provides many facilities which helps the drivers to maintain the safety.</li> <li>• Signs change based on upcoming events.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>• This prototype can be developed as product with minimum cost with high performance.</li> <li>• Reduces manpower.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>• User friendly.</li> <li>• Easy to access the data from the source.</li> <li>• Information in sign boards can be easily captured.</li> </ul>