

Project Design Phase-I

Proposed Solution

Date	1 October 2022
Team ID	PNT2022TMID38788
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To avoid the road accidents due to collisions over speeding of vehicles due to weather changes. Difficult to follow greater number of static sign boards placed at a same place. People failure to understand the traffic signs and violation of rules
2.	Idea / Solution description	Instead of static sign boards digital sign boards are placed in the roadsides. Based on the weather changes the displaying speed may be increased or decreased.
3.	Novelty / Uniqueness	Sign boards are converted to digital display where APIs and online services are integrated in new and interesting ways. Open Weather Map is an online service that provides global weather data, forecasts, and historical weather data for any geographical location
4.	Social Impact / Customer Satisfaction	Reduced accident rates. Increase travel speeds. Increase operational efficiency. Real time information management. Create a platform for sharing traffic to other systems.

		Environment friendly.
5.	Business Model (Revenue Model)	<p>LED signal lamp which compiles the European standards EN12368 and IP65 grade with 5 years performance warranty.</p> <p>Selling project to the highway departments.</p> <p>It will provide service where the accidents avoid is play vital role in road.</p>
6.	Scalability of the Solution	<p>This project is highly feasible and can later be further updated with other additional features as well</p>