

## Project Design Phase-I Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID12612
Project Name	Signs with Smart Connectivity for Better RoadSafety
Maximum Marks	2 Marks

### Proposed Solution :

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To avoid road accidents caused by over speeding of vehicles at the time of bad weather conditions like heavy rain,high wind
2.	Idea / Solution description	The project approach to digitizing the already existing static signboards to smart signboards using a interface where people are able to see about weather the indications and recommend the speed limit.This information can be accessed from open weather map and we can display the updateson the user interface on a timely basis. The smart display gets the speed limitations from a web app using weather API.
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	It's suggests the speed limits for the user/driver based on the weather and this will be helpful to reduce accidents meet by bad weather .
5.	Business Model (Revenue Model)	It will be implemented in low cost(for specified limited area not for large scale).In low cost we can reduce the accident possibility and save many of them life.
6.	Scalability of the Solution	This project is highly useful and later onbe further updated and additional features will be added well .