**Project Design Phase-I**

**Proposed Solution**

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

**Proposed Solution :**

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

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| **S.No.** | **Parameter** | **Description** |
|  | 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 updates on 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 on be further updated and additional features will be added well . |