**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 29 September 2022 |
| Team ID | PNT2022TMID00982 |
| Project Name | Project – Signs with Smart Connectivity for Better Road Safety |

**Proposed Solution Template:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | To replace the static signboards, smart connected sign boards are used. These smart connected sign boards get the speed limitations from a web app using weather API and update automatically. Based on the weather changes the speed may increase or decrease Based on the traffic and fatal situations the diversion signs are displayed. Guide(Schools), Warning and Service(Hospitals, Restaurant) signs are also displayed accordingly. Different modes of operations can be selected with the help of buttons. |
| 2. | Idea / Solution description | Predicting the speed limit from data acquired through weather map and pass through a web user interface which in turn used by user |
| 3. | Novelty / Uniqueness | Controlling the speed limit by weather map. |
| 4. | Social Impact / Customer Satisfaction | Based on traffic diversion signs ,guide signs and warning signs are displayed to the public. |
| 5. | Business Model (Revenue Model) | Smart connectivity and better road safety model. |
| 6. | Scalability of the Solution | The process of understanding and operating this Model is easy and its highly scalable with proper efficiency. |