**Project Design Phase-I**

**Problem – Solution Fit Template**

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| Date | 15 october 2022 |
| Team ID | PNT2022TMID09823 |
| Project Name | Signs with smart connectivity for better road safety |
| Maximum Marks | 2 Marks |

**Problem – Solution Fit Template:**

Road traffic accidents (RTA) are defined as accidents that occurred or originated on a way or street open to public traffic. These collisions result in injury or death between automobiles or humans. RTA is a major problem worldwide resulting in significant morbidity and mortality. This problem is due to some inconvenience in signs placed in Highways and Roads. This issue regularly causes death to human’s .

**Purpose:**

1.To replace the static signboards, smart connected sign boards are used.

2.These smart connected sign boards get the speed limitations from a web app using weather API and update automatically.

3.Based on the weather changes the speed may increase or decrease.

4.Based on the traffic and fatal situations the diversion signs are displayed.

5.Guide(Schools), Warning and Service(Hospitals, Restaurant) signs are also displayed accordingly.

6. modes of operations can be selected with the help of buttons.

**Template:**