

Project Design Phase-I
Proposed Solution Template

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| Date | 30 September 2022 |
| Team ID | PNT2022TMID11025 |
| Project Name | Project - Signs with Smart Connectivity for Better Road Safety |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

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

| S.No. | Parameter | Description |
|-------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Problem Statement (Problem to be solved) | Signs with smart connectivity for Better Road Safety is designed for speed control ,safety improvements and indicate the weather update. |
| 2. | Idea / Solution description | Creating IOT-enabled smart signs in place of conventional roadside signs. IOT and LED are employed in the construction of smart signs. |
| 3. | Novelty / Uniqueness | Since LEDs are utilised, they may be seen from a distance. Since LEDs are utilised, they may be seen from a distance. These details came from a weather monitoring app. It also provides details about surrounding locations, such as hospitals, schools, etc., so that consumers can choose According to that knowledge, speeding. |
| 4. | Social Impact / Customer Satisfaction | These have a noticeable effect on the department of road safety. Accidents can be significantly decreased by setting a speed limit for users. |
| 5. | Business Model (Revenue Model) | The government's execution of these for regular citizens is a fantastic initiative to raise awareness among the poeple. The government can set up a distinct budget for this, which creates the foundation for a safer environment. |
| 6. | Scalability of the Solution | It has a better possibility of lowering risk because it is more obvious than typical indications, perhaps saving many lives. |