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| **Project Design Phase-I**  **Proposed Solution Template**     |  |  | | --- | --- | | Date | 23 October 2022 | | Team ID | PNT2022TMID44492 | | 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 are intended to control speed, increase safety, and display the latest weather information. | | 2. | Idea / Solution description | Replacing traditional roadside signage with IOT-enabled smart ones. Smart signs are built using LED and the Internet of Things. | | 3. | Novelty / Uniqueness | Due to the use of LEDs, they can be seen from a distance. It is possible to view them from a distance since LEDs are used. These specifics were obtained from a weather-tracking app. Additionally, it gives information about nearby places like hospitals, schools, etc. so that customers may make decisions based on that knowledge, such as speeding. | | 4. | Social Impact / Customer Satisfaction | On the department of road safety, these are clearly felt. The avoidance of accidents can be achieved by imposing a user-set speed limit. | | 5. | Business Model (Revenue Model) | The government's implementation of these for common citizens is an excellent endeavor to increase public awareness. This can be funded separately by the government, which lays the groundwork for a safer environment. | | 6. | Scalability of the Solution | Because it is more visible than conventional signals, it has a better chance of reducing danger and could even save many lives. | |