

Project Design Phase-I
Proposed Solution Template

Date	10 October 2022
Team ID	PNT2022TMID14352
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.