

Project Design Phase-I
Proposed Solution Template

Date	30 September 2022
Team ID	PNT2022TMID11067
Project Name	Signs with smart connectivity for better road safety
Maximum Marks	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)	employing IOT to stop traffic accidents from happening.
2.	Idea / Solution description	By creating smart signs utilising IOT in place of conventional signs posted on the side of the road. Smart signs are constructed with IOT and LED.
3.	Novelty / Uniqueness	Temperature, humidity, and wind speed are displayed on the smart signs, which are visible from a distance thanks to the usage of LEDs. These details are obtained through a weather monitoring app, which also provides information about surrounding facilities like hospitals, schools, and other establishments so that users may adjust their speeding in accordance with that data.
4.	Social Impact / Customer Satisfaction	By setting a speed limit for the user, there is a good likelihood of lowering the accidents. These have a noticeable impact on the road safety department.
5.	Business Model (Revenue Model)	It is a terrific initiative to raise awareness among the populace for the government to carry out things for commoners. This opens the door for a safer environment since the government can set aside a distinct budget for it.

6.	Scalability of the Solution	It is a terrific initiative to raise awareness among the populace for the government to carry out things for commoners. This opens the door for a safer environment since the government can set aside a distinct budget for it..
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