Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID14966
Project Name	**Signs with Smart Connectivity for Better RoadSafety**
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)	➢ To prevent road accidents by ensuring suitable measures using IOT.
2.	Idea / Solution description	➢ By Preparing smart signs using IOT instead of regular signs hung on the road. ➢ These smart signs provide a better clarity and are built with IOT and LED.
3.	Novelty / Uniqueness	➢ Since LED is highly energy efficient – Less heat, more light, lower cost. Use less electricity for the same light output. ➢ The smart signs consist of temperature, humidity, wind speed. ➢ This information is received from weather monitoring app. ➢ It also gives information about nearby Places such as hospitals, schools, etc. so that the users can decide their speeding according to that information.
4.	Social Impact / Customer Satisfaction	➢ These create a noticeable impact on the road safety department. ➢ By deciding a speed limit for the user, there is significant chance in reducing the accidents.
5.	Business Model (Revenue Model)	➢ By executing these for commoners by the government, it is great initiative in creating an awareness among the people. ➢ A separate budget can be allotted for this by the government, which paves a way for a safer environment.
6.	Scalability of the Solution	➢ It has greater chance in reducing the risk for the people as it is more visible than the normal signs, which saves a lot of lives at stake.