Project Design Phase-I
Proposed Solution Template

Date	28 September 2022
Team ID	PNT2022TMID26096
Project Name	Signs with smart connectivity for better road safety
Maximum Marks	Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	**Problem Statement (Problem to be solved)**	● To prevent road accidents from happening using IOT.
2.	**Idea / Solution description**	● By preparing smart signs using IOT instead of regular signs hung on the road. ● Smart signs are built with IOT and LEDs are used.
3.	**Novelty / Uniqueness**	● Since LEDs are used which are visible from afar. ● The smart signs consist of temperature,humidity,and wind speed. ● This information is received from a 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 a significant chance in reducing the accidents.
5.	**Business Model (Revenue Model)**	● By executing these for commoners by the government ,it is a great initiative in creating awareness among the people. ● A separate budget can be allocated 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.