Project Design Phase-I
Proposed Solution

Date	08 October 2022
Team ID	PNT2022TMID44776
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)**	• To prevent the road accidents from happening using IOT.
2.	**Idea / Solution description**	• By preparing a smart signs using IOT instead of regular signs hung on the road. • Smart signs are built with IOT and LED are used.
3.	**Novelty / Uniqueness**	• Since LED's are used which is visible from afar. • The smart signs consists of temperature,humidity,wind speed. • These information are 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 noticable impact on the road saftey 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 a great intiative in creating a awareness amonfg the people. • A separate budget can be alloted 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.