

**Project Design Phase-I
Proposed Solution
Template**

Date	10 October 2022
Team ID	PNT2022TMID35583
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)	<ul style="list-style-type: none"> To prevent road accidents from happening using IOT.
2.	Idea / Solution description	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Since LEDs are used which are visible from afar. The smart signs consist of temperature, humidity, 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	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● 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.