

Project Design Phase-I
Proposed Solution

Date	01 October 2022
Team ID	PNT2022TMID52558
Project Name	Signs with smart connectivity for better road safety
Maximum Marks	2 Marks

Proposed Solution:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">Signs with Smart Connectivity for Better Road Safety is used to educate the drivers digitally using IOT who do not have knowledge about traffic signs and weather indication for the drivers and passengers convenience.To prevent the road accidents from happening using IOT.
2.	Idea / Solution description	<ul style="list-style-type: none">Replacing the man-made painted signs into digital as well as their name which is more visible compared to current signs and indicating weather in the same sign boards for driver where weather is not predictable.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">Weather indication on sign boards is unique which will help mostly the two wheelers from unfortunate heavy rains and winds. Digital traffic signs also educates the drivers to follow traffic rules easily.The smart signs consists of temperature, humidity, wind speed.This 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	<ul style="list-style-type: none">It makes the people to know about traffic signs if they don't know, it shows signs digitally to avoid the accidents and weather indication based on IOT to avoid accidents.By deciding a speed limit for the user, there is significant chance in reducing the accidents.

5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> This project can make revenue by selling much equipment's to the government sector and also private sectors(educational & medical institutions). Maintain services are also taken by the company.
6.	Scalability of the Solution	<ul style="list-style-type: none"> It makes the daily life of drivers and passengers better. The product can be scalable by adding new features to the product makes more revenue. 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.