

Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID03947
Project Name	Sign with smart connectivity for better road safety

The proposed solution for the given problem statement is described as ,

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	✓ The main goal of smart sign boards is to reduce accidents. It monitor speed of the vehicles and weather changes.
2.	Idea / Solution description	✓ Replacing the man made painted signs into digital and also making it more visible when compared to current signs. Indication of weather for drivers is also included.
3.	Novelty / Uniqueness	✓ Collects data about different vehicles and also speed of the vehicles. Weather changes and fatal situations are obtained for any kind of warning in the road and night time visibility.
4.	Social Impact / Customer Satisfaction	✓ Customers can get information about construction works or any kind of warning in the road through sign board at certain distance before reaching the site.
5.	Business Model (Revenue Model)	✓ This project can make revenue by selling many equipments to the government sector and also private sector(educational & medical institutions).
6.	Scalability of the Solution	✓ Major road accidents can be avoided ✓ Traffic jams will get reduced ✓ Time consumptions ✓ Running on sunshine ✓ Energy optimization ✓ Cost saving