

Project Design Phase-I
Proposed Solution

Date	30 September 2022
Team ID	PNT2022TMID33963
Project Name	Signs with Smart Connectivity for Better Road Safety

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement	<ul style="list-style-type: none">➤ To prevent the road accidents using IOT.➤ Sign boards with smart connectivity.
2.	Solution description	<ul style="list-style-type: none">➤ Here we use IOT based smart signs. The details regarding any accidents and traffic congestion faced on the particular roads are obtained.
3.	Novelty	<ul style="list-style-type: none">➤ LED used are visible from afar.➤ Pedestrians are given the access to request the sign change of the signal.➤ Speed limit can be controlled.
4.	Social Impact	<ul style="list-style-type: none">➤ Customer can reach the destination before the expected time
5.	Business Model	<ul style="list-style-type: none">➤ This product will be generated by selling this product to the government at a low cost, so that we can reduce the accidents. The public will also gain all the information about the road. It will be a great initiative in creating awareness.
6.	Scalability of the Solution	<ul style="list-style-type: none">➤ Easy to understand➤ Scalable➤ Easy to implement