

Project Design Phase-I Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID30265
Project Name	Signs With Smart Connectivity For Better Road Safety
Maximum Marks	2 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)	The problem in these curve roads is that the drivers are not able to see the vehicle or obstacles coming from another end of the curve. If the vehicle is in great speed then it is difficult to control and there are chances of falling off a cliff. Hence there is a need of many road safety systems.
2.	Idea / Solution description	This problem can be overcome by using IOT. By implanting IOT, we are able to monitor the vehicles, as well as their environment.
3.	Novelty / Uniqueness	The uniqueness of our application is, by using our application we will get live updates of temperature, weather, their environment by using the IOT.
4.	Social Impact / Customer Satisfaction	The social consequences of road traffic accidents include loss of productivity of the victims, the cost of the legal system, the cost of pain and suffering and loss of quality of life of the victim and their family. The loss of productivity represents a significant proportion of the total social costs.
5.	Business Model (Revenue Model)	We can introduce product-based at a low cost approach to earn good revenue. The more number of features attracts the end users to use our application.
6.	Scalability of the Solution	Our applications is used for Road safety techniques studied include distance sensing, improper driving detection and accident prevention, weather related events and negligent driving detection and accident avoidance.

