

Project Design Phase-I Proposed Solution Template

Date	01 October 2022
Team ID	PNT2022TMID22104
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)	<ul style="list-style-type: none"> ➤ The ultimate aim of the Project is to prepare a smart signs using IOT technology for better road safety.
2.	Idea / Solution description	<ul style="list-style-type: none"> ➤ Smart signs combine the easiness of use of traditional static signs with the flexibility and reactivity of navigation systems. ➤ The Smart Signs system uses context information such as user's mobility limitations, the weather, and possible emergency situations to improve guidance and messaging.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> ➤ LED plays a major concern in our project it acts as an indication tool. ➤ The smart signs consist of LEDs, with various combinations the signals are being displayed. ➤ This information of wind humidity distance for the next location are being collected using various sensors. ➤ It also gives information about nearby Places such as hospitals, school, Bus station etc. So that the users can decide their speeding according to that information.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> ➤ Due to implementation of smart signs at correct point of time we can save many lives. ➤ By displaying road rules and regulation and also speed limit for the user, there is significant chance in reducing the accidents.

5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> ➤ By executing these for people in well organized manner by the government, This will have great initiative and also creating an awareness among the people. ➤ Separate subject for transforming roads with smart sign must be implemented in the parliament with great impact on the society for road safety in our country.
6.	Scalability of the Solution	<ul style="list-style-type: none"> ➤ Thus, they can recognise obstacles and other road users out of plain sight, which prevents accidents and allows more efficient traffic flows, The smart intersection warns cars about the presence of pedestrians. This improves the safety of pedestrians and other vulnerable road users.