

Project Design Phase-I Proposed Solution

Date	29 October 2022
Team ID	PNT2022TMID19628
Project Name	Title: Signs with Smart connectivity for better road safety
Team Leader	SHWETHAA G P
Team Member	PAVITHRA M, SANJEEV KRISHNAN K, SARANYA J
Maximum Marks	2 Marks

Proposed Solution Template:

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

	Parameter	Description
1.	Problem Statement (Problem to be solved)	In present system the road signs and speed limits are static . In some case due to heavy traffic then we can change the road signs if they are digitalized If there rainfall the roads will be slippery and speed limit would be decreased
2.	Idea / Solution description	To detect the overspeed Driver unable to see the sign board indicate the sensor Automated car alert message
3.	Novelty / Uniqueness	Traffic detection using IOT.
4.	Social Impact / Customer Satisfaction	The social impacts of road traffic can defined as not for environment safety as the effects of traffic creates air pollution, noise, which are linked with several health concerns, it also Increases in traffic levels to increase collision risk for people's that problem are overcome by using Smart connectivity for better road safety it is environment friendly.
5.	Business Model (Revenue Model)	By executing these for commoners by the government, it is a great initiative in creating a awareness among the people. A separate budget can be allotted for this by the government which paves a way for a safer environment.

6.	Scalability of the Solution	Using weather Prediction in earlier stage that lead to help the people to slow down speed by indicating the sign and by knowing the accident or traffic jam before that leads to people take diversion other way. This solution will help to decrease the death rate up to 80%