Signs with Smart Connectivity for Better Road Safety

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S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
1	The Importance of Road Safety Products to Prevent Accidents & Injuries	Well-designed and uniquely engineered road safety products ensure the constant safety of vehicles and pedestrians.	• Road Barriers • Road Fences • Safety Barricades.	• Internet of things	Physical and emotional injuries, medical costs, decrease in the ability to enjoy life
2	Smart Road Safety and Vehicle Accident Prevention System for Mountain Roads	The number of accidents occurring in curves of hills have not only decrease but also providing signal information to vehicle driver which are coming from opposite side, hence it alerting us	• model Arduino • GSM • GPS • LCD • vibration sensors	• IoT Based	It can direct the GSM to send messages from the user mobile to the authority as they will send immediate facilitate to the accident victims

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3	Road Safety	To operate the vehicles in a safe speed at critical zones minimizing the possible risk of unwitting accidents and casualties	• Node MCUs • Blynk Server	• Iot	The accident information is passed to the vehicles entering the same zone to take diversion to avoid traffic congestion.
4	Real-time traffic monitoring system for city governance	the users require smart devices to access these applications and mostly the services are limited to urban roads.	• LCTS Sensor Node • PRS Physical Board • iVCCS Physical Board • ultrasonic sensors	• Internet of things • Artificial Intelligence	These early-warning messages will help citizens to save their time, especially during peak hours. Better decision making and achieve urban growth.

THANK YOU