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| Date | 3 november 2022 |
| Team ID | PNT2022TMID53515 |
| Project Name | Project- **Signs with Smart Connectivity for Better Road Safety** |
| Maximum Marks | 4 Marks |

Project report:

Technology has brought fine changes into every portion of our life by making it smart and reli able. There are many situations in which technologies can be used to avoid accidents in roads which opens a wide window for the requirement of Smart Road System. With the dynamle changes in the models of the vehicles the roads need to have same ability to face them. Evolving Towards the future, the roads needs to build with advanced sensors and antenna systems to have ace with the new era. The design involves the road side units and vehicle side units as part of intelligent transport system involving Internet of things(IOT)

This project has desighned a system to alert the driver about the speed limits in specifie arean by reducing the speed of the vehicles in sensitive public zones without any interference of the drivers where controls are taken automatically by the use of a wireless local area network The main objective of the proposed system is to operate the vehicles in a safe speed at critical zones minimizing the possible risk of unwitting accidents and casualties. Besides, the system is capable of detecting the accidents and give notification to the control room. The system operates in such way that the accident information is passed to the vehicles entering the same zone to take diversion to avoid traffic congestion.

The basic steps of this system are

Block and circuit preparation

Hardware Implementation

Setting up IOT

Project Profile:

Title 10T Road Safety

Domain Embedded System

Language C

• Library

Thay GPS,ESP8266WIFI and Blynk

Contributions:

The major contributions of this systems are:

Create a system which gives alert about the speed limits in specific areas

Create control side sad vehicle silo etwork whose controlls will be taken by a wire area