**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 23 September 2022 |
| Team ID | PNT2022TMID50083 |
| Project Name | Project-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 defined | The early effects to prevent road accidents and to ensure road safety includes the use of speed  detection devices, CCTVs ,speed limiters and emergency accident units .Old approaches emphasize the concept of problem-solving in Road safety, but it is more correct to recognize that Road safety activities doesn't solve problems. |
| 2. | Objectives | 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. |
| 3. | Motivation | This project paves a system to alert the driver about the speed limits in specific areas and reduce 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. |
| 4. | Overcome of the problem | \_ Over Speed  \_ Exact location of the accident occurred  \_ Heavy traffic congestion |
| 5. | User interfaces | Once accident occurs, piezoelectric sensors in vehicle unit get activated and send the information along with GPS location to control room through IOT communication alert message will be displayed in the LCD unit at the vehicle. |
| 6. | Conclusion | We have presented a system, to alert the driver about the speed limits in specific areas and reduce 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. |