

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

| | |
|---------------|--|
| Date | 14 October 2022 |
| Team ID | PNT2022TMID08204 |
| Project Name | Project – Signs with smart connectivity for better road safety |
| Maximum Marks | 4 Marks |

Functional Requirements:

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|---|
| FR-1 | Set speed limit notification | The user should set a speed limit notification |
| FR-2 | Map visibility | The system should allow the user to view the map |
| FR-3 | Road signs | The system should allow the user to see the road signs |
| FR-4 | Receive alerts | The system should provide notifications timely |
| FR-5 | Speed meter | The system should show the speed of the vehicle |
| FR-6 | View traffic usage | The system should view daily, weekly, and monthly application traffic usage in web UI |

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | The system should be easy to install and simple to use |
| NFR-2 | Security | The system should authenticate users |
| NFR-3 | Reliability | The system should perform the intended tasks for a specific time |
| NFR-4 | Performance | The system should perform well under different conditions |
| NFR-5 | Availability | The system should be available all the time when required |
| NFR-6 | Scalability | The system should be able to add new features |