Project Design Phase-II Solution Requirements

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID12612 |
| Project Name | Signs with Smart Connectivity for Better Road Safety |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR**  **No.** | **Functional Requirement** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | **User Visibility** | Sign Boards should be made with LED’s which are bright colored and are capable of attracting the drivers attention |
| FR-2 | **User Need** | The smart sign boards should be placed in location where the accident happens frequently. |
| FR-3 | **User Understanding** | For better understanding of the driver, the signs should be big, clear . |
| FR-4 | **User Convenience** | The display should be big enough that should be easy to understand. |

# Non-functional Requirements:

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

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| **FR**  **No.** | **Non-Functional Requirement** | **Description** |
| NFR- 1 | **Usability** | It should be able to Upgrade and Update . |
| NFR- 2 | **Security** | It should have good security and user information should be secured |
| NFR- 3 | **Reliability** | It should be able to display to correct information |
| NFR- 4 | **Performance** | It should be able to automatically  update itself when certain weather  Or traffic problem occurs. |
| NFR-5 | **Availability** | It should be available 24/7 for the user |
| NFR-6 | **Scalability** | It should be able to easily change and upgrade based on the needs |