Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 12 October 2022 |
| Team ID | PNT2022TMID27330 |
| 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.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Visibility | Sign Board will have and clear and interactive UI so that  it will be clearly visible to all the users. |
| FR-2 | User Understanding | The signs that are to be displayed in the sign board will be with its respective names, so that the users can  clearly understand everything |
| FR-3 | User Convenience | Signs will be displayed flawlessly such that it will be of  better convenience. |

# 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** | For multiple sign display, time stamps will be allocated for each sign. It will automatic and dynamically changeable. No need for manual  operations. |
| NFR-2 | **Security** | Only required can will be showed. No chance of  security vulnerability. |
| NFR-3 | **Reliability** | More reliable than the existing system |
| NFR-4 | **Performance** | Acceptable performance with dynamic updation of  data regarding weather, traffic, etc.. |
| NFR-5 | **Availability** | It will available for working every 24/7. |
| NFR-6 | **Scalability** | Implementation and Maintenance cost will be less,  so that the product is highly scalable. |