Project Design Phase - II

Functional Requirements (Functional & Non-functional)

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| Date | 11 October 2022 |
| Team ID | PNT2022TMIDI3488 |
| 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 Requirements | Static signboards will be replaced with smart linked sign boards that meet all criteria. |
| FR-2 | User Registration | User Registration can be done through a Website or  Gmail |
| FR-3 | User Confirmation | Phone Confirmation, Email confirmation, OTP authentication |
| FR-4 | Payments options | Bank Transfers |
| FR-5 | Product Delivery and installation | The installation fee will be depend upon the length of the road. |
| FR-6 | Product Feedback | Will be shared through a website via Gmail |

# 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 | Will provide the clear product instructions and a self-explanatory product which is simple to use. |
| NFR-2 | Security | Cloud data must be contained within the network, collapsing to be the real-time avoidance should be avoided, and the board will be monitored  constantly. |
| NFR-3 | Reliability | Hardware will be frequently tested. |
| NFR-4 | Performance | The smart board must provide a better user experience and deliver the accuracy output. |
| NFR-5 | Availability | All of the functions and the user demands will be  provided, depend upon the customer needs. |
| NFR-6 | Scalability | The product is based on road safety and should cover the entire highway system. |