Project Design Phase - II

Functional Requirements (Functional & Non-functional)

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| Date | 07 October 2022 |
| Team ID | PNT2022TMID24784 |
| 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 Specifications | Smart linked sign boards that meet all requirements will replace static signboards. |
| FR-2 | User Registration | User Registration can be done through a Website or  Gmail |
| FR-3 | User Verification | Phone Confirmation, Email confirmation, OTP authentication |
| FR-4 | Payments options | Bank Transfers |
| FR-5 | Product Delivery and installation | The cost of installation will vary depending on how long the road is. |
| 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 needs to be kept within the network, real-time collapsing needs to be avoided, and the board will be closely watched. |
| NFR-3 | Reliability | Hardware will be frequently tested. |
| NFR-4 | Performance | The smart board must provide a better user experience and deliver the predicted 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, which is centered on driving safety, need to span the entire highway network. |