**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| **Date** | 08 October 2022 |
| **Team ID** | PNT2022TMID41909 |
| **Project Name** | Signs with Smart Connectivity for Better Road Safety |
| **Maximum Marks** | 2 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 clear and interactive UI so that it will be clearly visible to all the users. |
| FR-2 | User Registration | The User Registration can be done through a Website or Gmail |
| FR-3 | User Confirmation | User can confirm with phone  User can confirm with Email  User can confirm with OTP |
| FR-4 | User Requirements | The Static signboards will be replaced with smart linked sign boards that meet all criteria. |
| FR-5 | Payment options | Bank Transfers |

**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 avoid an be avoided ,and the board will be monitored constantly |
| NFR-3 | **Reliability** | The hardware will be frequently tested |
| NFR-4 | **Performance** | * The smart board must provide a better user experience and deliver the accuracy output. * Focus on the speed ,efficiency and work load |
| NFR-5 | **Availability** | All of the functions and the user demands will be provided, depend upon the customer needs |
| NFR-6 | **Scalability** | Extending the functionality and features of the system on the regular basis based on traffic density |