**Project Design Phase-II**

**Signs With Smart Connectivity For Better Road Safety**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID39715 |
| 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 Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |

**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** | By using Weather API, The weather also detected for better signs. |
| NFR-2 | **Security** | These smart connected sign boards get the speed limitations from a web app using weather API and update automatically. |
| NFR-3 | **Reliability** | Different modes of operations can be selected with the help of buttons. |
| NFR-4 | **Performance** | Based on the weather changes the speed may increase or decrease.  Based on the traffic and fatal situations the diversion signs are displayed. |
| NFR-5 | **Availability** | Free Availability for Users. |