Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID48096 |
| 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 |
| FR-3 | User approval | Approval through Gmail  Approval through phone call |
| FR-4 | User transaction | Transaction through online mode Transaction through debit card |
| FR-5 | Testing | Testing through component  Testing via API and UI |
| FR-6 | End result | End result through product features |

# 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** | It refers to the average time it takes to accomplish a user’s goals. |
| NFR-2 | **Security** | To ensure the user that the software is protected from unauthorized access to the  system and its stored data. |
| NFR-3 | **Reliability** | It describes how likely it is for the software to work without failure for a given period of time. |

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| NFR-4 | **Performance** | Quality attribute that describes the responsiveness of the system to various user interactions with it for users efficiency. |
| NFR-5 | **Availability** | It is the period of time that the system’s  functionality and services are available for use with all operations. |
| NFR-6 | **Scalability** | To show how the system must grow without  negative influence on its performance. |