Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID37707 |
| 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 tracking | Tacking through driving behaviour. Tracking through digital process. |
| FR-2 | Weather | Using open weather map |
| FR-3 | Application programming interface | Open API keys. |
| FR-4 | Sensor | Stand-alone-safety sensor  GPS Sensor. |

# 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** | Specifies how systems should operate for the customer/end-user. i.e., how many clicks to get to a  certain place? |
| NFR-2 | **Security** | Focuses on how the system is kept secure,store data, and  responds to attacks. i.e., What are the security protocols of the site? |
| NFR-3 | **Reliability** | Defines the systems availability and the tolerance for  failure. i.e., whats the target uptime? |
| NFR-4 | **Performance** | Focuses on the systems sped,efficiency, and workload.  i.e., how fast does the system respond? |
| NFR-5 | **Availability** | It is a metric that measures the probability that a system is not failed or undergoing a repair action when it needs  to be used. |
| NFR-6 | **Scalability** | Ensures the system can respond to changes in demand. i.e., how will the system pull on additional resources? |