Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 25 October 2022 |
| Team ID | PNT2022TMID18163 |
| Project Name | Industry-Specific Intelligent Fire Management System |
| 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 website or application Registration through Social medias Registration through LinkedIN |
| FR-2 | User Confirmation | Verification via Email  or OTP |
| FR-3 | User Login | Login through website or App using the respective username and password |
| FR-4 | User Access | Access the app requirements |
| FR-5 | User Upload | User should be able to upload the data |
| FR-6 | User Solution | Data report should be generated and delivered to user for every 24 hours |
| FR-7 | User Data Sync | API interface to increase to invoice system |

# 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** | Usability requirements includes language barriers and localization tasks. Usability can be assessed by  Efficiency of use. |
| NFR-2 | **Security** | Access permissions for the particular system information may only be changed by the system’s  data administrator. |
| NFR-3 | **Reliability** | The database update process must roll back all related updates when any update fails. |
| NFR-4 | **Performance** | The front-page load time must be no more than 2 seconds for users that access the website using an  VoLTE mobile connection. |
| NFR-5 | **Availability** | New module deployment must not impact front page, product pages, and check out pages availability and mustn’t take longer than one hour. |
| NFR-6 | **Scalability** | We can increase scalability by adding memory,  servers, or disk space. On the other hand, we can compress data, use optimizing algorithms. |