# Project Design Phase-II Solution Requirements (Functional

**& Non-functional)**

| Date | 15 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID04174 |
| Project Name | Industry-Specific Intelligent Fire Management System |
| Maximum marks | 4 marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

| **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 Linked-in |
| 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.

| **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. |