

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID19393
Project Name	Project – 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 Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Profile Update	Updating personal details Updating educational details
FR-4	User Login	Login with username and password
FR-5	User Dashboard	Performing required operations
FR-6	Project Upload	Uploading the project according to the problem statement provided

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Fire detection system to be effective, it must be integrated with a good fire alarm system. Fire alarms play a vital role in giving warnings to home residents or building occupants that there is a fire emergency. Most of these fire alarms also send out a warning signal or message to a local fire department notifying the emergency
NFR-2	Security	We ensure smart fire safety for buildings and challenging applications. Even though a security system can only alert you to an issue and not prevent or solve it detecting such problems early on can help you fix the problem before it causes extensive damage.
NFR-3	Reliability	Consumer Reports does not provide alarm systems as they do automobiles. They think high maintenance and high cost. Whether it work well and notify the alert at the correct time.

NFR-4	Performance	Fire Detection performs based on when the temperature get change like smoke and when gases are leaked,the detector detects the changes and alert the customer to prevent them by high loss.Fire Alarm System is designed to alert us in case of an emergency .
NFR-5	Availability	Fire Alarm System is available to alert us to an emergency so that we can take action to protect ourselves, workers and the general public. Fire alarms are found in Factories and public buildings, they are a part of our everyday routine but are often overlooked until there is an emergency at which point, they might just save our lives.
NFR-6	Scalability	Fire safety is a fundamental mandate for every enterprise, facility, campus, and municipality. Fire safety begins with fire detection, and fire detection means everything from components—sensors, initiating devices, and control panels to integrated systems.