

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

Date	15 October 2022
Team ID	PNT2022TMID47356
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 Gmail.
FR-2	User Visibility	Through notifications.
FR-3	User Reception	The data like temperature, smoke contented gas level is shown.
FR-4	User Understanding	Based on the data, the user understands that if any of the data is above the threshold value, then the place has caught in fire.
FR-5	User action	Incase of fire the sprinklers an alarm will be on. The user needs to escape and indicate the fire department.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	It needs to observe all time and give alert incase of fire.
NFR-2	<b>Security</b>	It helps user, incase of fire by notifying it.
NFR-3	<b>Reliability</b>	It does not give false alarm.
NFR-4	<b>Performance</b>	It will sprinkler water to smoothen the fire in early stage.
NFR-5	<b>Availability</b>	It will always be checking if there is fire or not.
NFR-6	<b>Scalability</b>	The scalability depends on the options to change as needed in the board and sensors.