

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

Date	15 October 2022
Team ID	PNT2022TMID32634
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	Usability	It needs to observe all time and give alert incase of fire.
NFR-2	Security	It helps user, incase of fire by notifying it.
NFR-3	Reliability	It does not give false alarm.
NFR-4	Performance	It will sprinkler water to smoothen the fire in early stage.
NFR-5	Availability	It will always be checking if there is fire or not.
NFR-6	Scalability	The scalability depends on the options to change as needed in the board and sensors.