

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

Date	16 October 2022
Team ID	PNT2022TMID42730
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	Alert inside building and outside the building	Through alaram
FR-2	Informing to near by fire station and traffic police	Through telephone with iot support
FR-3	Cut electricity	Through iot support
FR-4	Turn on water for frist step precausion	Through iot support
FR-5	Opening additional exit ways	For evacuation of peoples fast and quick

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	For saving the life of the workers in industry and avoid major damage.
NFR-2	<b>Security</b>	Detect a fire. Alert occupants of the fire condition. activates safety control functions. Alert the local fire department.
NFR-3	<b>Reliability</b>	The response during emergency is very high. Based on the robustness of the components.
NFR-4	<b>Performance</b>	Active aspirating smoke detection system has been widely applied to reduce the fire hazard of large space building
NFR-5	<b>Availability</b>	It can be used in every type of industries and company.
NFR-6	<b>Advantage &amp;disadvantage</b>	Its advantages are major damages are avoided and disadvantages are it can miss used.