

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

Date	26 October 2022
Team ID	PNT2022TMID02619
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 Manually
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP Confirmation via Phone call
FR-3	Payment Options	Cash on Delivery Net Banking Credit/Debit card
FR-4	Delivery and Installation	Doorstep Delivery Manual Installation and 1 year warranty Take Away
FR-5	Feedback	Via phone calls
FR-6	Fire and Gas leakage Monitoring	Temperature Sensor Flame Sensor MQ6 Sensor
FR-7	Alerting System	Buzzer LED lights LCD display
FR-8	After Detection	Water Sprinkler Exhaust Fan

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Have accessible, readily comprehensible and multilingual manual which helps to use the product easily and effectively.
NFR-2	Security	Only the System Administrator should be able to access, modify or delete information related, and grant access to or revoke from authorised persons.
NFR-3	Reliability	Maintenance should be done once every two weeks. Repair and update the product if required.
NFR-4	Performance	The product should be able to constantly monitor, detect fire and gas leakage accidents and alert concerned individuals to reduce/minimize loss of life and property.
NFR-5	Availability	Available anytime. Free installation. Will repair anytime in case of malfunctioning.
NFR-6	Scalability	Increasing memory, equipping additional servers and Customizing the product if necessary.