

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

Date	26 October 2022
Team ID	PNT2022TMID04725
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 Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Resource discovery	Searching devices and services of interest to the entity.
FR-4	Resource Management	Planning and assigning the technology to a program.
FR-5	Code Management	Integrating sensors to web UI
FR-6	Event Management	Merging data to users.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This application will carry the process effectively and safely.
NFR-2	Security	The data is maintained with high level security against unauthorised access.
NFR-3	Reliability	This system is less reliable in case when the sensors become obsolete.
NFR-4	Performance	The system responds rapidly if it detects gas.
NFR-5	Availability	All-time the detection system is readily to detect the smoke
NFR-6	Scalability	The response time is less when it is compared with other systems.