

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

Project Name	Industry-specific intelligent fire management system
Team ID	PNT2022TMID50107
Date	14-11-2022
Mark	4

Functional Requirements:

FR No.	Functional Requirement	Sub Requirement
1	Alert inside building and outside the building	Through alarm
2	Assemble the mode	Place the sensors in the appropriate locations
3	Hardware	Check that the sensors are operating properly
4	Informing to nearby fire station and traffic police	Through telephone with iot support
5	User Registration	Create user accounts for the software included in the model
6	User Solution	Data report should be generated and delivered to user for every 24 hours
7	Cut electricity	Through iot support

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
1	Usability	For saving the life of the workers in industry and avoid major damage
2	Security	Detects afire.Alert occupants of the fire condition.activates safety control functions. Alert the local fire department.

3	Reliability	The model is extremely reliable because it uses less energy
4	Performance	The model sends SMS and alert to the appropriate authorities with ease.
5	Availability	The model responds instantly to the user.
6	Scalability	This intelligent approach to fire detection has resulted in a range of stable
7	Advantage	Major damages are avoided
8	Disadvantage	This panel is computer like and at times there maybe issues caused by the firmware