

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

Team ID	PNT2022TMID53790
Project Name	Project - Industry Specific Intelligent Fire Management Studies
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	Assemble the model	Place the sensors in appropriate locations
FR-2	Test the Hardware	Test for the proper working of the sensors
FR-3	User Registration	Create user accounts for the required software incorporated in the model
FR-4	Test the Software	Check for the proper delivery of alerts and SMS
FR-5	Test the data storage	Check for the proper storage of sensor data in the database

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The model is used in small scale industries involving flammable chemical substances
NFR-2	Security	The model ensures security for the workmen in the industry by taking necessary actions in case of any misfortune.
NFR-3	Reliability	The model is highly reliable as it consumes less power
NFR-4	Performance	The model provides ample performance in delivering alerts and SMSs to the concerned authority
NFR-5	Availability	The model gives instant response to the user
NFR-6	Scalability	The model is scalable for implementing it in large scale industries