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

Date	31 October 2022
Team ID	PNT2022TMID29259
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	**Assemble the model**	Place the sensors in the appropriate locations.
FR-2	**Hardware**	Check that the sensors are operating properly.
FR-3	**User Registration**	Create user accounts for the software included in the model.
FR-4	**Software**	Check that alerts and SMS are being delivered correctly.
FR-5	**Test the data storage**	Verify that sensor data is stored in the database properly.

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 that deal with flammable chemicals.
NFR-2	**Security**	The model ensures the safety of the industry's workers by taking the necessary precautions in the event of an accident.
NFR-3	**Reliability**	The model is extremely reliable because it uses less energy.
NFR-4	**Performance**	The model sends SMS and alert to the appropriate authorities with ease.
NFR-5	**Availability**	The model responds instantly to the user.