Project Design Phase-II

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Detection	The fire is detected by a sensor which has a threshold value of temperature.If any gasses are present, it is also detected.
FR-2	Accuracy	A great accuracy in detection is maintained by proper and optimized code.

FR-3	Alerting	As soon as the fire is detected, the alarm rings and the water is sprinkled and it is notified to the personnels. .If any gasses are present,the exhaust fans are switched on .

Solution Requirements (Functional & Non-functional)

Date	23 October 2022
Team ID	PNT2022TMID24257
Project Name	Industry-Specific Intelligent Fire Management System
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User friendly and easy to maintain and detect.
NFR-2	**Security**	There are no security issues in this system.
NFR-3	**Reliability**	This system is highly reliable because it can detect change in temperature accurately .
NFR-4	**Performance**	The performance of the system is measured in terms of accuracy and the accuracy of the system is about 95% and it alerts within a shorter period of time.
NFR-5	**Availability**	This system can be easily available and can be installed anywhere.
NFR-6	**Scalability**	This system is highly scalable and it detects accurately.