

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

Date	15 October 2022
Team ID	PNT2022TMID29941
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 Mobile
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP through GSM
FR-3	Fire Detection Monitoring	In Industry we monitor the fire detection using sensors like temperature sensor, flame sensor etc.
FR-4	Intimating fire in industry	In case, fire occurs in industry we intimate the message through mobile application.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Simple and economic and easy to use.
NFR-2	Security	The mobile application is highly secured and the embedded voice message alert is used in industry.
NFR-3	Reliability	It is highly reliable and the web application runs accurately.
NFR-4	Performance	Sensors maintain the records and sends it to the cloud.
NFR-5	Availability	If fire occurs in industry we intimate the information to people through message. The sensors detects 24 hours (24/7) and intimate quickly to the management and fire station.
NFR-6	Scalability	Highly scalable and easy to use.