

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

Date	13 Oct. 22
Team ID	PNT2022TMID18041
Project Name	Hazardous Area Monitoring for Industrial Plant Powered by IoT
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 Online Payment for the service
FR-2	User Access	Access the details using web browser Access the details using mobile application
FR-3	User alert	Gets alert as an SMS message Gets alert alarm in the working area.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The device must be usable by the customer anywhere
NFR-2	<b>Security</b>	Data from the sensors are stored securely and away from other data
NFR-3	<b>Reliability</b>	Data can be retrieved anytime and no data is discarded without customer knowledge
NFR-4	<b>Performance</b>	No performance delay in case of large number of data or more parameters
NFR-5	<b>Availability</b>	The device doesn't fail even under harsh conditions. Device continues to send parameters, even after an alert situation.
NFR-6	<b>Scalability</b>	Device must be capable of measuring conditions even in a larger industry