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

Date	14 October 2022
Team ID	PNT2022TMID10955
Project Name	Project – 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 Requirements**	Air protection pH ,Humidity and Temperature
FR-2	**User Registration**	Manual Registration Registration through webpage Registration through Form Registration through Gmail
FR-3	**User Confirmation**	Confirmation Via Email Confirmation Via OTP Confirmation Via Phone
FR-4	**Payment Options**	Cash on Delivery Net Banking/UPI Credit/Debit/ATM Card
FR-5	**Product Delivery and Installation**	Door Step delivery Free Installation
FR-6	**Product Feedback**	Through GoogleForms Through Phone calls Through Webpage

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Have a clear and self-explanatory manual. Easier to use Even an illiterate people have to use the product without any difficulties
NFR-2	**Security**	Application has to be secured with 2 step authorisation Passwords and passkeys will be assigned as per the users need.
NFR-3	**Reliability**	Hardware requires a regular checking and service Software may be updated periodically Immediate alert is provided in case of any system failure
NFR-4	**Performance**	The application must have a good user interface It should have a minimal energy requirement It has to save air and environment
NFR-5	**Availability**	All the features will be available when the user requires. It depends on the need of the people and the customization the user has done.
NFR-6	**Scalability**	The product has to cover all the space of industrial area irrespective of the size or area of a field.