

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

Date	14 October 2022
Team ID	PNT2022TMID46764
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 on Email
FR-2	User Confirmation	Confirmation in Email and Confirmation in OTP
FR-3	User Login	User id and password to sign in.
FR-4	User Dashboard	Show product list and details.
FR-5	Place your Order	Select product and place order by using user address, phone number.
FR-6	Order Delivered	Deliver the product to customer on time.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">• The monitoring of the hazardous areas in industrial plants is more important from time to time. If the damage that occurs in hazardous areas can result in the loss of property or lives.• So monitoring of such areas can be easily monitoring of the hazardous areas.
NFR-2	Security	<ul style="list-style-type: none">• Industrial Security Management emphasizes the general security techniques and the ethical responsibilities of those involved.• The work covers general security

		management, security personnel management, operational management, public relations and the perils of mismanagement.
NFR-3	Reliability	<ul style="list-style-type: none"> • All the products coming out through the industrial process are of quality.
NFR-4	Performance	<ul style="list-style-type: none"> • All kinds of machines running in the plant are fast and have good performance. • Having a monitoring system makes it easy to monitor the hazardous area. • Due to the presence of monitoring system, the industrial plant is immediately alarmed if there in danger.
NFR-5	Availability	<ul style="list-style-type: none"> • Protection from system failures. • You can use multi type of programming commands to the device.
NFR-6	Scalability	<ul style="list-style-type: none"> • The ability of a device to adapt to the changes in the environment . • It can handle a large increase in users without strain.