

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

Team ID	PNT2022TMID17430
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.

S. No.	Functional Requirement (EpICS)	Sub Requirement (Sub-Task)
1	Alarm	To alarm the specialists within the adjacent segments.
2	Smart wearable's	To inform the clients around the temperature of the zone.
3	Beacons	To communicate the information.
4	Cloud storage	Thing speak cloud services for mobile notifications and also analysed the presence
5	Temperature sensors	To identify the temperature of a specific region.
6	Mobile Application	To caution the clients in the event that the temperature is expanded beyond a certain restrain.

Non-functional Requirements:

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

S. NO	Non-Functional Requirement	Description
1	Usability	To Accessibility of user-friendly wearable gadgets.
2	Security	It is the security purpose for the specialists by installing the devices within the industry.
3	Reliability	Information is spared within the secured server so they do not provide any escape clauses for the programmers.

4	Performance	No server crash or server down.
5	Availability	The data is accessible through wearable gadgets and portable application.
6	Scalability	No server crash or server down.