

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

Project Name	HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANTS 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	Temperature sensors	To detect the temperature of a particular zone.
FR-2	Beacons	To broadcast the information.
FR-3	Smart wearables	To notify the workers about the parameters.
FR-4	Alarm	To alert the workers nearby.
FR-4	Mobile App	To alert the workers if the temperature goes beyond the limit.
FR-5	Cloud Storage	To store and access the data.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly wearable devices.
NFR-2	Security	The primary thought of installing the devices in the industry is for security for the workers.
NFR-3	Reliability	Data are saved in the secured server so they don't provide any loopholes for the hackers
NFR-4	Performance	There won't be any sort of server crash.
NFR-5	Availability	Information is available all through out wearable devices and mobile application
NFR-6	Scalability	Easily accessible for a large group of peoples.