HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANTS POWERED BY IOT

SUBMITTED BY

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Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / SubTask)
FR-1	Temperature sensors	To detect the temperature of a particular area.
FR-2	Beacons	To broadcast the data.
FR-3	Smart wearables	To notify the workers about the temperature.
FR-4	Alarm	To alert the workers in nearby areas.
FR-5	Mobile App	To alert the workers if the temperature goes beyond the limit.
FR-6	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**	Availability of user-friendly wearable devices.
NFR-2	**Security**	It will be safe for the workers by installing the devices in the industry
NFR-3	**Reliability**	Data are saved in the secured server so they don’t provide any loopholes for the hackers
NFR-4	**Performance**	No server crash or server down
NFR-5	**Availability**	Information is available through wearable devices and mobile application
NFR-6	**Scalability**	Easily accessible with high reliability