

## Project Design Phase- II

### Functional Requirement

DATE	19 SEPTEMBER 2022
TEAM ID	212219060013@smartinternz.com
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 through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via OTP
FR-3	User Profile	Login Access the Profile
FR-4	Analyse	Data from smartsensors can be analyzed for predictive Analysis and automated decision-making.
FR-5	Recommend	Based on the farming the software recommends the Automated irrigation practices.

#### Non-functional Requirements:

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

S.NO	Non-Functional Requirement	Description
NFR-1	Usability	End users can monitor and control their connected farm using IOT applications on their smart phones or tablets.
NFR-2	Security	The software keeps the user's information more securely.
NFR-3	Reliability	The smart farm, embedded with IOT systems, could be called a connected farm, which can support a wide range of devices from diverse agricultural device manufactures.
NFR-4	Performance	It is a user-friendly software and have high performance.

NFR-5	<b>Availability</b>	Available for every user, visible for all users and farmer.
NFR-6	<b>Scalability</b>	The proposed precision farming structure allows the implementation of a flexible methodology that can be adapted to different types of crops.