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

Team ID	PNT2022TMID33417
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

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 Email Confirmation via OTP
FR-3	User Requirements	Get the requirements for the farming
FR-4	User establishment	Establish the technology using the requirements
FR 5	User review	Successful establishment of the setup.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Smart Farming assists ranchers with bettering comprehend the significant factors, for example, water, geography, viewpoint, vegetation and soil types. This permits ranchers to decide the best purposes of scant assets inside their creation climate and deal with these in an earth and monetarily economical way
NFR-2	**Security**	Armed with sensors, robots, and other monitoring devices, the present farmers can oversee field conditions without going to the homestead. The idea of savvy cultivating is the primary driver of the Web of Food.

NFR-3	**Reliability**	For constant admittance to in-handle information, network unwavering quality is critical. With regards to maintainable agribusiness, this nullifies the motivation behind accuracy brilliant cultivating, which depends on the most cutting-edge information and constant natural observing
NFR-4	**Performance**	It mainly provides better performance so it helps in high productivity and ensures the attack of insects in crop field.
NFR-5	**Availability**	Computerization assumes a gigantic part in smart farming as the training utilizes programming and sensors to oversee and screen the homestead's cycles. This assists ranchers with working on the nature of their items as well as the accessibility, bring down their expenses, and increment the client experience.
NFR-6	**Scalability**	The versatility of a framework to expand the limit, for instance, the quantity of innovation gadgets like sensors and actuators, while empowering ideal examination