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 / Sub-Task)
FR-1	User login	Login the user ID and password for the use the application
FR-2	sensors	Using DHT11 and soil moisture sensor for maintaining the crops
FR-3	Monitoring details	This process gives the brief description about the crops.
FR-4	Settings	Change settings for the convenience

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Application is easy to use with better user experience and the controls given with that application.
NFR-2	**Security**	The user can register or login through their mail id and password. The security attacks could not be done until the user share his/her login credentials to someone.
NFR-3	**Reliability**	The data are stored in the trusted cloud storage and it can be kept confidential. The user and the developer are able to access the data stored in cloud storage.
NFR-4	**Performance**	The user can control and analyse the data about their field or farm through application given with many features.
NFR-5	**Availability**	The user can easily access the analysed data from the sensors connected with IoT devices which placed in the farming land and the sensor analysed data are stored in a cloud storage for future references.
NFR-6	**Scalability**	The application features are upgraded randomly for easy access and better user experience.