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

Date	20-02-2026
Team ID	LTVIP2026TMIDS62218
Project Name	Exploratory analysis of rainfall data in India for agriculture
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 and Gmail Registration through linked IN
FR-2	User Confirmation	Confirmation via Email and OTP
FR-3	User Login	Using the registered email id and password as login credentials
FR-4	Profile dashboard	Viewing the profile and changing password
FR-5	Visualization	Visualize the user specific data in different forms
FR-6	Feedback and support	Collecting feedback against the accuracy of the prediction for further improvement and feature inclusion in other modules or functionalities

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The Farmer and other people can easily use the application and it user friendly to prior knowledge is required for using it.
NFR-2	**Security**	Providing secure system requirements and then determine authenticity, originality and security.
NFR-3	**Reliability**	The system will provide the prediction without any errors and failures for a specific time.
NFR-4	**Performance**	Predictions are as same as the true values, so the performance is higher.
NFR-5	**Availability**	Available to different group of farmers for 24/7
NFR-6	**Scalability**	The application should be in the way of adding new functionalities or module without affecting the existing functionalities.