

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

Date	10 February 2026
Team ID	LTVIP2026TMIDS54583
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 is user friendly so 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 groups 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.
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