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

Date	21October 2022
Team ID	PNT2022TMID51168
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 via form or email ID and password creation
FR-2	User Confirmation	Confirmation via Email or OTP
FR-3	User Login	Using the registered email ID and password as login credentials
FR-4	Profile Dashboard	Viewing the profile, changing the password and pages navigation
FR-5	Searching	Searching for results and information by place and region
FR-6	Visualization	Visualization the user specific data in different forms
FR-7	Prediction	Giving inputs to get the prediction on rainfall using an ML-based model
FR-8	User tracking	Maintaining the history of the user's search operations
FR-9	Feedback & 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 system should administer a quality attribute that assesses how easy user interface are to use - The system doesn't expect any technical pre-requistes from the user's side
• NFR-2	• **Security**	- User details and login credentials should be safe and secure - The confirmation of a valid user is required for authentication

NFR-3	**Reliability**	- Portable and cross-platform independent - The application should be subjected to an experiment, test, or measuring procedure that yields the same results on repeated trials - Easy to use and flexible