

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

Date	03 October 2022
Team ID	PNT2022TMID32615
Project Name	Exploratory Analysis of RainFall Data in India for Agriculture
Maximum Marks	4 Marks

Functional Requirements:

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	View the profile and change their credentials
FR-5	Dashboard	Live visualisation of data based on the chosen region
FR-6	Searching	Searching for results and information by place and region
FR-7	Visualization	Visualization of data based on days, weeks, months and year.
FR-8	Prediction	Giving inputs to get the prediction on rainfall using an ML-based model
FR-9	Feedback & Support	User can post their queries, questions and we support them by replying

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Simple user interface where user can navigate through different menu. The system doesn't expect any technical prerequisites from the user's side
NFR-2	Security	User details and login credentials should be safe and secure by suggesting a strong password
NFR-3	Reliability	Portable and cross platform independent Easy to use and flexible
NFR-4	Performance	Response time will be faster. Accuracy of the data and calculation depends on the dataset
NFR-5	Availability	Available 24/7
NFR-6	Scalability	In future we can add additional features related to weather data