

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

Date	03 October 2022
Team ID	PNT2022TMID02252
Project Name	Project - 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 Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Prediction	Predicting the rainfall pattern
FR-4	Suggestions and analysis	Generate Suggestion Reports Provide visualization

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly
NFR-2	Security	User's requirement for planning is not shared
NFR-3	Reliability	Better accuracy for predicting the rainfall
NFR-4	Performance	Provide rainfall status and give suggestions immediately
NFR-5	Availability	Available to the logged in users
NFR-6	Scalability	Can be used for all agricultural activities including cultivation planning, irrigation, etc.