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

Team ID	PNT2022TMD39901
Project Name	Exploratory Analysis of Rainfall Data in India for Agriculture
Maximum Marks	4 Marks
Team Leader	Saravanakumar.K
Team Members	Lokesh.B,Martin Thomas.Y,Magesh.P

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 Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Prediction Details	User must specify the location in order to get the prediction.
FR-4	Forecasting Accuracy	Retrieving the past Fore castings and calculate the accuracy.
FR-5	Forecast	The flood probability of the forecast is displayed on the screen.
FR-6	Snapshots	The Web-UI will display the necessary information as report and pictures.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The usability of the website is to make all the users be satisfied with the overall experience of the end product and get the result within just one press of a button.
NFR-2	**Security**	The security is developing the website that prevents SQL injection task, DOS attack and XSS attack.
NFR-3	**Reliability**	The key reliability is to make sure the website doesn't go offline and the prediction is very much accurate.
NFR-4	**Performance**	The performance of the website to provide data to all users without unnecessary delay and provide 24/7 availability.
NFR-5	**Availability**	The availability of the website would be that the website will be active and able to browse in the web on demand.
NFR-6	**Scalability**	The scalability of the system is that the project has been limited to only Indian cities and later have plans to escalate to the continent level.