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

Date	13 October 2022
Team ID	PNT2022TMID28004
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	Via Phone Number Via Gmail
FR-2	User Dashboard	Single Sample Prediction Multiple Sample Prediction
FR-3	Output Generation	Report Generation

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User-friendly Interface to facilitate the user with easy processing. Model provides predictions of rainfall report.
NFR-2	**Security**	Authentication - User can have his/her own private dashboard to have secured access.
NFR-3	**Reliability**	The model is capable enough to handle huge amount of data and run multiple samples simultaneously.
NFR-4	**Performance**	Due to combination of multiple ML models, accuracy of the output is slightly high.
NFR-5	**Availability**	The website is also mobile-responsive and is portable. It requires only basic configurations to run on any device.
NFR-6	**Scalability**	It can be extended further to provide API which can be used by Agricultural Developers, Customers, etc.,