

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

Date	15 October 2022
Team ID	PNT2022TMID20086
Project Name	Estimate the crop yield using data analytics
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	Dataset Requirement	Analyze the dataset and then load it into a cloud platform. Make the necessary visualizations afterward. Provide solutions for visual analytics
FR-4	Data visualization charts	To highlight the Required insights and visualizations, various charts and graphs were created.

Non-functional Requirements:

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

FR. No.	Non-Functional Requirement	Description
NFR-1	Usability	Agriculturists, the Indian government, and anyone else involved in the agricultural sector will find these insights useful.`
NFR-2	Security	Currently, data is securely loaded in IBM's cloud platform, and Cognos manages access to data via IBM's Cognos framework.
NFR-3	Reliability	Analysis and interpretation of the insights are accurate and useful.
NFR-4	Performance	The system predicts accurate results as well as being faster.
NFR-5	Availability	Every insight is available to users whenever they want it, and any results they need can be retrieved anywhere and at any time.
NFR-6	Scalability	Adding different features or data can still get you useful insights based on data, and it can be scaled well.