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

Date	15 October 2022
Team ID	PNT2022TMID15537
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	Understanding the dataset and then load it to cloud Platform then build the required visualizations to Provide visual analytical solutions
FR-4	Data visualization charts	Creating various graphs and charts to highlight the Required insights and visualizations

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The insights are useful for farmers, Indian government or anyone related to agriculture sector.
NFR-2	Security	The data is securely loaded in IBM cloud platform and also Cognos security is a component of IBM Cognos framework that manages the user access to data.
NFR-3	Reliability	The insights are accurate and useful for analysis and interpretation.
NFR-4	Performance	Predicts accurate results and also faster.
NFR-5	Availability	The insights are available to users anytime and user can also fetch required results anywhere, anytime.
NFR-6	Scalability	It can be scaled well by adding different features or data and can still get useful insights according to data.