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

Date	03 October 2022
Team ID	PNT2022TMID23966
Project Name	Project – Estimation Of Crop Yielding 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 Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Creation of Account	Create an account
FR-4	Credentials validation	The credentials are entered and validated for access
FR-5	Analysis process	With the help of IBM Cognos Analytics the prediction of crop yielding is estimated
FR-6	Outcome Process	The results are presented to the user in the dashboard.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The user can be able to access with the system user friendly. The system is built with a simple manner and algorithm.
NFR-2	**Security**	Access permission for the particular system information it can only change by the system admin. The user must be having a high security measures.
NFR-3	**Reliability**	The database update process must roll back all the related update when any update fails. The dataset will not be modified by anyone only the admin can modify the dataset.
NFR-4	**Performance**	The performance of the dashboard is very easy and flexible to the user. It can be perform smooth
NFR-5	**Availability**	New module deployment must not impact front page, dashboard and check out the pages availability and then show some visualization of them.
NFR-6	**Scalability**	It can be support many users to access at a time. The dashboard is scalable for the crop when their farmers and customers is used to analysis.