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

Date	03October 2022
Team ID	PNT2022TMID13569
Project Name	Project – 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 Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User profile	User Details Farm Details
FR-4	Required Data	The past crop yield data and data of the farmer to analyze their yield.
FR-5	Analysis	An analysis is done by the given data to gain useful insights on the crop yields.
FR-6	Estimation	Creating the perfect data module, visuals using IBM Cognos to increase the estimation of the crop yield.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Ease of usage along with ease in-access of tools and features
NFR-2	**Security**	The user information is protected by the user login and registration with a secured password
NFR-3	**Reliability**	The interactive data visuals of the dashboard can make easy to understand by the farmers
NFR-4	**Performance**	Multiple technologies and services that will improve the usability in agricultural activities.
NFR-5	**Availability**	The dashboard could be easily available viewed in every devices like smart phones, laptops and systems, etc
NFR-6	**Scalability**	Should be able to incorporate as many visualizations and datasets as possible