Solution Requirements (Functional & Non-functional)

Date	15 October 2022
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	Account creation	Create an account in the dashboard
FR-4	Input credentials	Uploading the dataset and analysing the dashboard
FR-5	Processing Methods	Using IBM Cognos Analtyics Dashboard using Prediction algorithm to find them
FR-6	Output Credentials	Using the dashboard and algorithm they know about the crop yield estimate

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.