

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

Date	10 November 2022
Team ID	PNT2022TMID20029
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 Analytics 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.