

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

Date	13 October 2022
Team ID	PNT2022TMID52976
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	Details of User Details of Farm
FR-4	Required Data	Historical data of Crop Yield User Data(Farmer) to analyse
FR-5	Analysis	Data Pre-processing and analysis using IBM Cognos analytics Platform
FR-6	Estimation	To create an Interactive Dashboard visualizing the great insights about the estimation of Crop Yield.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	According to the past data, report is created. Crops to be sown in different Seasons will be advised or consulted to the farmers based on the Data Report.
NFR-2	Security	IBM Cognos platform have a secure user information.
NFR-3	Reliability	The interactive dashboard can make easily understandable of the data report.
NFR-4	Performance	Interaction makes better performance between all users and impressing by the visual advise.
NFR-5	Availability	The dashboard could be easily viewed and available in every smartphones, laptops, systems etc.
NFR-6	Scalability	The flexibility of the methodology to implement the proposed solution is very easy that can make increase in the estimation of crop yield in the different farms for different users.