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

Date	02 November 2022
Team ID	PNT2022TMID29392
Project Name	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**	Log in Access the profile
FR-4	**Give the required data**	Take the data given by the user as the input for the analysis
FR-5	**Analysis**	Analyse the yield of crop from the data given by the user
FR-6	**Estimation or Predict the data**	Estimate the crop yield from the analysis,using the software from the data given by the user

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Crop recommendations are created and saved, the these recommended crops are sown by farmers for increased crop yield.
NFR-2	**Security**	The software keeps the users information more securely.
NFR-3	**Reliability**	Creating the interactive dashboards which is easy to understand and useful for the users.

NFR-4	**Performance**	It is user friendly software and have high performance.
NFR-5	**Availability**	The software application is easily available for every user and accessing is easy for them.
NFR-6	**Scalability**	The proposed system allows the implementation of a flexible methodology that can be used to estimate the yield of crops in different types of lands.