

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

Date	03 October 2022
Team ID	PNT2022TMID03360
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	User need to log in Access the profile
FR-4	Take in the required data	The user will give a required date take that data
FR-5	Estimation	Analyse the yield of crop from the data given by the user
FR-6	Analysis	An analysis is done on the given data to gain useful insights

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Crop recommendations are created and saved, the these recommended crops are sown by farmers for increased crop yield.
NFR-2	<b>Security</b>	This software will secure the information .
NFR-3	<b>Reliability</b>	The interactive dashboards which is easy to understand and useful for the users
NFR-4	<b>Performance</b>	The software provide us good performance and user friendly.
NFR-5	<b>Availability</b>	This software is available for access at any time from anywhere
NFR-6	<b>Scalability</b>	The software should be flexible and other developers must be able to improve its capabilities