

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

Date	15 October 2022
Team ID	PNT2022TMID020306
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Crop Information	Survey reports , graphs
FR-4	Crop Yield Estimation	Entering information about crops , weather

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	It can be used by farmers or anyone related to growing crops.
NFR-2	<b>Security</b>	The data given is secure and it is used only to estimate the yield.
NFR-3	<b>Reliability</b>	The information of the dataset is useful in estimating the crop yield.
NFR-4	<b>Performance</b>	It predicts the accurate results and provides results faster.
NFR-5	<b>Availability</b>	Its interface is made in a way that it's available to the users all the time and can fetch results whenever required.
NFR-6	<b>Scalability</b>	It can be scaled by adding different featured to help the users by letting them know more about crops and the yield.