

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

Team ID	PNT2022TMID50469
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 Gmail Registration through IBM
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Collection	
FR-4	Data Processing	Data cleaning, removal of noise and obsolete data
FR-5	Visualization Tool	Graphical visualization choices

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Ease of usage along with ease in-access of tools and features
NFR-2	<b>Security</b>	Access to resources through two factor authentication and credentials
NFR-3	<b>Reliability</b>	There should be no crashes or loss of data or processes
NFR-4	<b>Performance</b>	High speed rendering of visualization and other readily available features
NFR-5	<b>Availability</b>	Should be available on demand
NFR-6	<b>Scalability</b>	Should be able to incorporate as many visualizations and datasets as possible