

# ESTIMATE THE CROP YIELD USING DATA ANALYTICS

Solution Requirements

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

Date	23 October 2022
Team ID	PNT2022TMID42991
Project Name	Estimate the crop yield using data analytics
Maximum Marks	4 Marks

**Functional Requirements:**

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Gmail Registration through IBM Cognos
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data collection	Data collection through various resources.
FR-4	Data processing	Data can be optimised for the required needs.
FR-5	Data visualization	Data can be visualized through Cognos

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Its user friendly. Everybody who didn't know can easily create.
NFR-2	<b>Security</b>	Secured one. This has verification process.
NFR-3	<b>Reliability</b>	100% reliable due to its security reasons.
NFR-4	<b>Performance</b>	It has a good performance than other ways like by traditional methods.
NFR-5	<b>Availability</b>	Available on everyone's PC and Laptop and It has optimized for the user mobile.
NFR-6	<b>Scalability</b>	Able to adopt for any visualization.