

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

Date	15 October 2022
Team ID	PNT2022TMID44196
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	Test case	Input test case must not have compilation and runtime errors.
FR-2	Nature of Application	The application must not stop working when kept running for even a long time. The application must function as expected for every set of test cases provided.
FR-3	Generation of Application	The application should generate the output for given input test case and input parameters.
FR-4	Application	The application should be on-demand services.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Type of testing checks the easily the software is being used by the customers.
NFR-2	Security	Checks if the software has vulnerabilities and if any, fix them.
NFR-3	Reliability	Checks for the reliability of the software
NFR-4	Performance	Checks for speed, stability and reliability of the software, hardware or even the network of the system under test.
NFR-5	Availability	It is available for farmers to predict the estimation of crops.
NFR-6	Scalability	Scalability is maximum due to accurate estimation.