

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	16 October 2022
Team ID	PNT2022TMID37430
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	Collects Data	Providing CSV file Authentic Datasets
FR-4	Cleans the given Data	Prepares data for EDA purpose
FR-5	Visualisation of Data	Identifying trends in given data Accurate visualisation of provided numbers
FR-6	Dashboard	Analysation of the datasets Key performance indicator

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User friendly design with interactive UI/UX
NFR-2	Security	Users could create accounts that require authentication by sending OTP to their Email address. They could share their datasets in the app's community or make their account private.
NFR-3	Reliability	App could be run offline while server maintenance takes place. Server traffic wouldn't be an issue.
NFR-4	Performance	Requires minimum system requirements, hence could be accessible in many devices with faster loading time.
NFR-5	Availability	Server is online 24/7 hence users could use the app at any time. App will work offline as well.
NFR-6	Scalability	Scalability reflects the ability of the software to grow or change with the user's demands.