

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

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Team ID	NM2023TMID03106
Project Name	Project –Agriculture Docs Chain

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Data collection	Define how data is collected, whether through manual entry, sensors, or other methods.
FR-2	Data storage	Specify where and how data will be stored, such as in a database or cloud platform.
FR-3	Data processing	Describe the steps for data processing and analysis, including algorithms and software tools.

**Non-Functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Describe user experience expectations, such as “The system should have an intuitive user interface”.
NFR-2	<b>Security</b>	Specify security measures like data encryption, access control, and authentication requirements, eg., “Data must be encrypted both in transit and at rest”.
NFR-3	<b>Reliability</b>	Determine the systems uptime requirement, such as “The system should be available 99.9% of the time “.
NFR4	<b>Performance</b>	Specify how quickly documents should be retrieved or updated within the chain. For example, “Documents should be retrievable within 2 seconds”.

NFR-5	Auditability	Ensure the ability to track changes and access to track changes and access to documents, like “The system should maintain an audit log of all documents changes”.
NFR-6	<b>Scalability</b>	Define how the system should handle an increasing number of documents or users. For instance, “The system should support a minimum of 10,000 documents and 100 concurrent users”.