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

Date	31 January 2025
Team ID	LTVIP2025TMID34941
Project Name	**Disease Recognition in Chickens:**
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

Functional Requirements:

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	Image Upload	Upload chicken image from device Capture image using camera
FR-4	Disease Detection & Report	Predict disease using model Display disease name, type, and severity Show precautionary measures and treatment suggestions

Non-functional Requirements:

FR No	Non-Functional Requirement	Description
NFR	Usability	The system should have a user-friendly interface, accessible by non-technical poultry farmers.

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NFR-2	Security	User data and uploaded images must be securely stored with encrypted access.
NFR-3	Reliability	The system must consistently return results with minimal failure.
NFR-4	Performance	Disease prediction should occur within 5 seconds of image upload.
NFR-5	Availability	The application should be available 24/7 with >99% uptime.
NFR-6	Scalability	The system should handle increasing numbers of users and image uploads over time without performance degradation.