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

Date	27 June 2025
Team ID	LTVIP2025TMID40716
Project Name	Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management
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)
PR-I	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 poultry images from local device Capture image using device camera
FR-4	Disease Pred iction	Process image using transfer learning Show predicted disease name Display accuracy /confidence level
FR-5	Disease Information	Show symptoms of predicted disease Display treatment/prevention steps
	History/Reports	Save user prediction history Export reports as PDF
FR-7	Admin Panel	View and manage users Monitor model performance and 10 s

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-I	Usability	Easy-to-use interface for farmers and general users
NFR-2	Security	Secure login and data handling using encryption
NFR-3	Reliability	The system should give consistent results for the same in ut
NFR-4	Performance	Fast image processing and response time
NFR-5	Availability	System should be available 24/7 with minimal downtime
NFR-6	Scalability	Should handle increasing number of users and data without performance drop