

Project Design Phase – II

Date: 17 June 2025

Team ID: LTVIP2025TMID41750

Project Name: Poultry Disease Detection using Deep Learning and Web Interface

Maximum Marks: 4 Marks

Functional Requirements

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	<ul style="list-style-type: none">- Registration through Form- Registration via Gmail- Registration via LinkedIn
FR-2	User Confirmation	<ul style="list-style-type: none">- Email Confirmation- OTP-Based Confirmation
FR-3	Disease Prediction System	<ul style="list-style-type: none">- Image Upload- Image Preprocessing- Model Prediction- Result Display
FR-4	User Dashboard & History	<ul style="list-style-type: none">- Display Previous Predictions- Date-wise History- Re-download Result
FR-5	Admin Panel	<ul style="list-style-type: none">- Upload New Datasets- Monitor User Predictions- Download Reports

Non-functional Requirements

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly interface with simple upload and prediction features
NFR-2	Security	Secure login using OAuth (Google/LinkedIn), secure image upload, and user data
NFR-3	Reliability	Consistent predictions with robust backend model
NFR-4	Performance	Prediction results delivered within 2 seconds
NFR-5	Availability	99.9% uptime expected using cloud-based hosting
NFR-6	Scalability	Easily expandable to include more poultry diseases or additional users