

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	Date: 26 June 2025
Team ID	Team ID: LTVIP2025TMID44725
Project Name	Poultry Disease Detection Using Transfer Learning
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	Image Upload	Upload poultry image via form
FR-2	Prediction Result	Display disease prediction result
FR-3	User Feedback	Allow user to submit feedback on prediction
FR-4	Admin Module	Manage model versions and view logs

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly interface for non-technical users
NFR-2	Security	Secured data transfer and storage
NFR-3	Reliability	System should consistently deliver correct predictions
NFR-4	Performance	Quick processing and response time
NFR-5	Availability	Accessible with minimal downtime
NFR-6	Scalability	System should scale with increasing user base

Visual Architecture Reference

The following diagram illustrates the technical architecture and flow of the system:

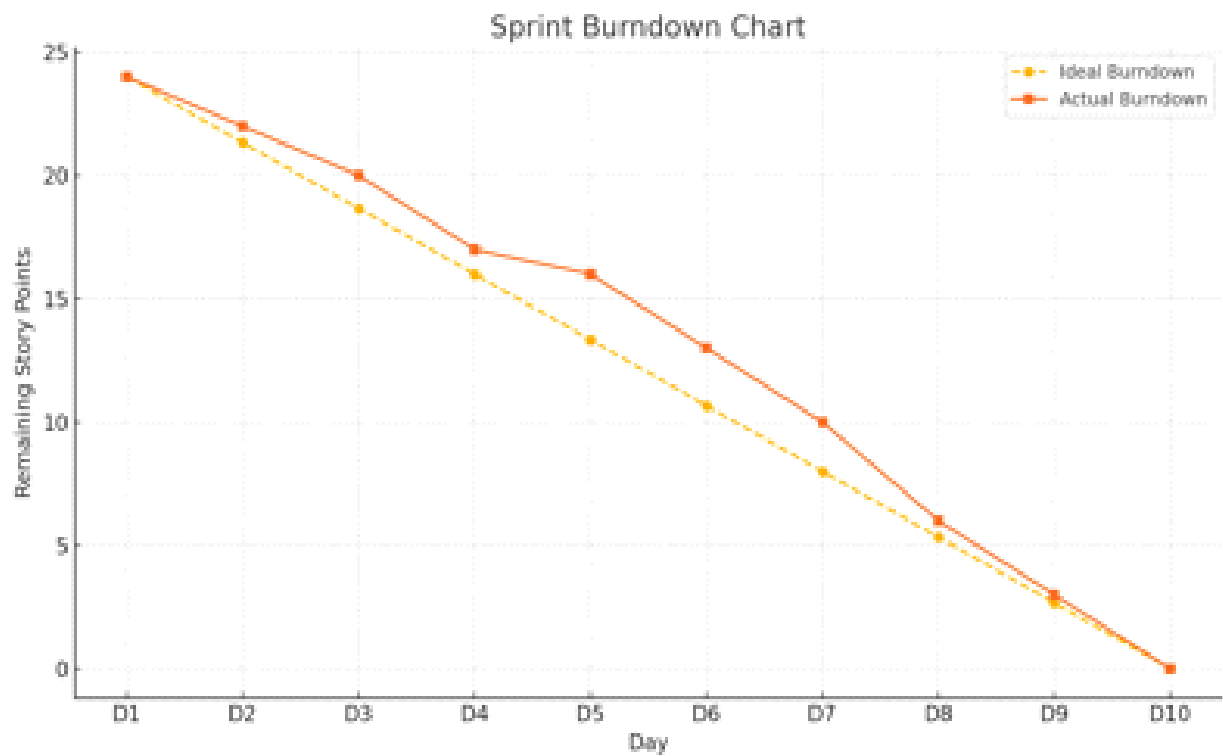


Figure: Burndown Chart showing progress of sprint tasks over time.