

Ideation Phase

Define the Problem Statements

Date	30 June 2025
Team ID	LTVIP2025TMID37158
Project Name	Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management
Maximum Marks	2 Marks

Define Problem Statements (Customer Problem Statement Template):

Poultry farmers face challenges in the early detection and classification of poultry diseases due to the lack of accessible, fast, and accurate diagnostic tools. This delay in disease identification leads to health deterioration, increased mortality, and financial loss. There is a need for an automated, image-based system using deep learning models to assist farmers and veterinary professionals in quickly diagnosing poultry diseases and improving overall farm management.

Customer Problem Statement Template

I am

a poultry farmer who wants to ensure the health of my flock

I'm trying to

quickly detect and identify poultry diseases using images

But

I lack accurate, fast, and easy-to-use disease detection tools

Because

traditional diagnosis methods are time-consuming and require veterinary support

Which makes me feel

anxious about potential losses and helpless in managing my poultry's health

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a poultry farmer who wants to ensure the health of my flock	quickly detect and identify poultry diseases using images	I lack accurate, fast, and easy-to-use disease detection tools	traditional diagnosis methods are timeconsuming and require veterinary support	anxious about potential losses and helpless in managing my poultry's health
PS-2	a poultry farm owner managing hundreds of birds.	monitor the health of my poultry and detect diseases before they spread.	I rely on physical symptoms that appear only in later stages of infection.	I don't have access to a fast, AI-based disease detection system.	stressed and uncertain, fearing potential outbreaks and loss of income.