Ideation Phase
Brainstorm & Idea Prioritization Template

Date	21 June 2025
Team ID	LTVIP2025TMID44008
Project Name	Transfer Learning-based Classification of Poultry Diseases for Enhanced Health Management
Maximum Marks	4 Marks

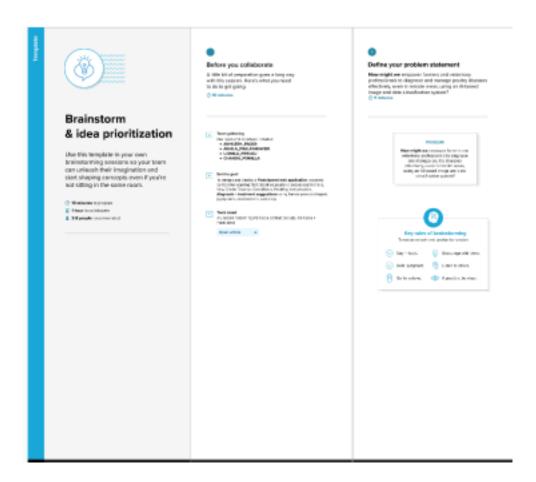**Brainstorm & Idea Prioritization Template:**

Discussion Summary:
Our team discussed critical issues in poultry health and identified the need for a reliable, automated system for disease classification using images. Manual diagnosis is often error-prone and inaccessible to small-scale farmers.
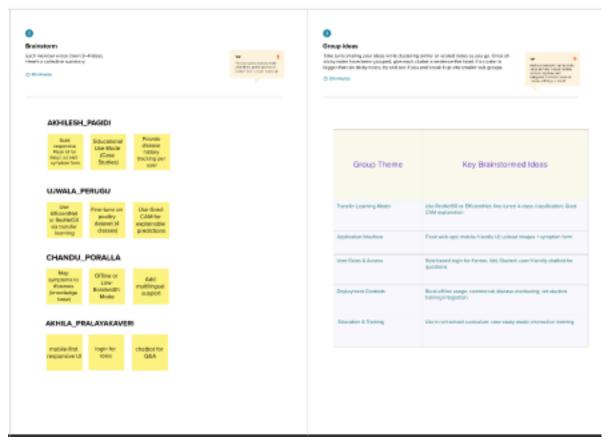
Selected Problem Statement:
"To develop a transfer learning-based image classification system that identifies common poultry diseases accurately to assist in early diagnosis and health management."

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

Team gathering
- AKHILESH_PAGIDI
- AKHILA_PRALAYAKAVERI
- UJWALA_PERUGU
- CHANDU_PORALLA

Define your problem statement

How might we empower farmers and veterinary professionals to diagnose and manage poultry diseases effectively, even in remote areas, using an AI-based image and data classification system?

Key rules of brainstorming

Step-2: Brainstorm, Idea Listing and Grouping

Brainstorm

Each member wrote down 3–4 ideas. Here's a collective summary.

AKHILESH_PAGIDI

UJWALA_PERUGU

CHANDU_PORALLA

AKHILA_PRALAYAKAVERI

Group ideas

Group Theme	Key Brainstormed Ideas
Transfer Learning Model	Use ResNet50 or EfficientNet fine-tuned 4 class classification; Grad-CAM explanation
Application Interface	Flask web app; mobile-friendly UI upload images + symptom form
User Roles & Access	Role-based login for Farmer, Vet, Student; user-friendly chatbot for questions
Deployment Controls	Rural offline usage; commercial disease monitoring; vet student training/integration
Education & Training	Use in vet school curriculum; case study mode interactive learning

Step-3: Idea Prioritization

Prioritize

Your team also challenges the same page about who's important moving forward. Make your move or this just to focus on which items are important and which are not matters.

After you collaborate

The vital aspect of collaboration of things on just to share with the team of of your individuals who might best fit next.

Importance

Feasibility

Sticky notes on the prioritization matrix:
- User Education e Reflectl0 sustainable learning
- Use Grad-CAM for explainable predictions
- enable first responsive M
- Off-lin or Low-Bandwidth Mode
- login for roles
- Add multilingual support
- Educational Use Mode (Class Room)