Project Design Phase
Problem – Solution Fit Template

Date	8 June 2025
Team ID	LTVIP2025TMID34708
Project Name	Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

- ❑ Solve complex problems in a way that fits the state of your customers.
- ❑ Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
- ❑ Sharpen your communication and marketing strategy with the right triggers and messaging.
- ❑ Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- ❑ **Understand the existing situation in order to improve it for your target group.**

Template:

Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management

1. CUSTOMER SEGMENT(6)

Smallholder farmers, commercial poultry farms, veterinary

2. CUSTOMER CONSTRAINTS — C2

Limited access to veterinary services, lack of diagnostic tools
frequent disease outbreaks, veterinary stm.

4. JOBS-TO-BE-DONE/PROBLEMS — JP

Enabling data driven disease management
Conducting robust diagnostics
Making informed treatment decisions /
Learning diagnostic
processes & treatment o,

5. PROBLEM ROOT CAUSE — A5

Lack of knowledge & diagnostical resources, conducting superiorisis in field
Making informed treatment dicole

4. JOBS-TO-BE-DONE/PRORLEM — JP8

What the target users want to perform or challenges the dishn problem or datta: implement these solutions.
Before; stressed in|uiest, rlating oreteparty l outbreaks, cleaming physical outbroks

7. BEHAVIOUR — JP

What & the target cจroll rbel s-angeromizaⁱr
Observing affected birds, seeking community support for diagnosis & treating birds basec guesswork, using an dhoc approach for veiterin / hengning

3. TRIGGERS — T8

Serious trigger, that would momp us look into finding a problem solving solution, eg.

1.. YOUR SOLUTION — SL

Target solution features lpCh1weight, offiine transfer learning based mosliet model that classifialie diseases into categories dike Coccidiosis and New Castle Disease and provides treatment rect

6. EMOTIONS: BEFORE / AFTER — EM

How the users uileady piⁱ"ine by-using immedlide data-driven diug nostⁱc technok

11. CH2 — CH

How new users will havar Uns steps?
Before 5 users would think goncielision officers' recommeendations from F2P on/ine channels built by research institutes

References:

1. https://www.ideahackers.network/problem-solution-fit-canvas/
2. https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe