## Project Design Phase Problem – Solution Fit Template

Date	26 June 2025
Team ID	LTVIP2025TMID38828
Project Name	Smart Sorting: Transfer Learning for Identifying
	Rotten Fruits and Vegetables
Maximum Marks	2 Marks

## **Problem – Solution Fit Template:**

The Problem–Solution Fit means we've identified a real-world problem faced by our users (vendors, consumers, retailers) and developed an AI-powered solution that effectively addresses it — helping ensure the quality of fruits and vegetables in a reliable, fast, and non-expert way.

## **Purpose:**

- **Solve quality-check problems** in fruits and vegetables by allowing users to upload images and receive Al-based classification as *Healthy* or *Rotten*.
- **Increase adoption** by making the solution easy to use via a web application no technical knowledge required.
- **Sharpen user communication** by showing confidence scores and clear messages like "Good to Eat" or "Don't Eat", helping users trust the prediction.
- **Increase daily engagement** by addressing a frequent and costly problem: unknowingly selling or consuming spoiled produce.
- Understand current vendor and consumer behavior, where decisions are made by guesswork or surface appearance, and improve it with accurate machine learning predictions.

## Template:

