Ideation Phase
Define the Problem Statements

Date	26 June 2025
Team ID	LTVIP2025TMID20416
Project Name	Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	2 Marks

Customer Problem Statement:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

This helps us to think from customer perspective and thus find more accurate solution.

I am	Describe customer with 3-4 key characteristics - *who are they?*	Describe the customer and their attributes here
I'm trying to	*List their outcome or "job" the care about - what are they trying to achieve?*	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way – *what bothers them most?*	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problem or barrier exists – *what needs to be solved?*	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view – *how does it impact them emotionally?*	Describe the emotions the result from experiencing the problems or barriers

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A supermarket inventory manager responsible for ensuring the quality of fruits and vegetables on the shelves.	Quickly identify and remove rotten items from large shipments before they reach the customers.	The manual inspection process is slow and often misses early-stage spoilage.	It's difficult to visually inspect every item when dealing with high-volume stock and limited staff.	Frustrated and anxious about customer complaints and possible product waste.

PS-2	A health-conscious individual who tracks household consumption and tries to reduce food waste.	Keep my fruits and vegetables fresh and consume them before they spoil.	I can't always tell when something is starting to rot, especially when it's buried in the fridge.	There's no real-time, smart way to monitor produce freshness at home.	Disappointed when I waste food and worried about feeding my family spoiled items.