Ideation Phase
Define the Problem Statements

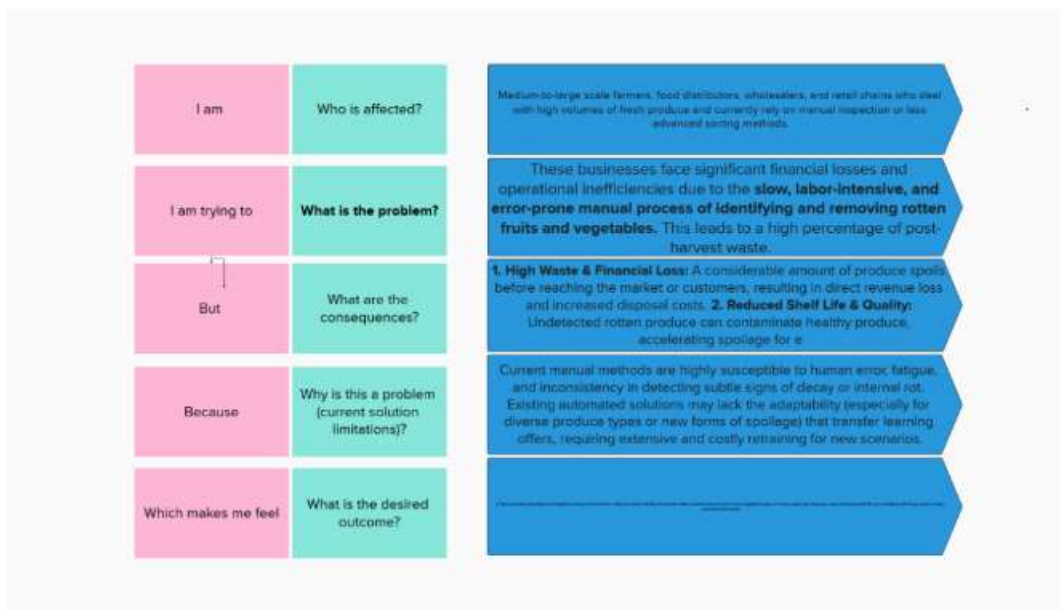|	
Date	29 June 2025
Team ID	LTVIP2025TMID36983
Project Name	Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	2 Marks

Customer Problem Statement Template:

Customer Problem Statement

"Farmers, food distributors, and wholesalers are experiencing **significant financial losses and operational inefficiencies** due to the **slow, labor-intensive, and error-prone manual process of identifying and removing rotten fruits and vegetables.** This manual dependency leads to **high post-harvest waste, reduced shelf life for entire batches (due to cross-contamination), inconsistent product quality reaching consumers, and ultimately, damaged brand reputation.** They require an **automated, highly accurate, and easily adaptable sorting solution** that can swiftly and reliably detect various stages of decay across diverse produce types, thereby minimizing waste, optimizing labor costs, and ensuring superior product quality."

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A daily commuter/ driver	Find a convenient and affordable	All the close parking	There's a limited supply of parking	Stressed, late, frustrated, and anxious

		parking spot near my office/destination	lots are full or too expensive, or I spend too much time circling blocks	spaces, high demand, and inefficient real-time parking information	
PS-2	A busy parent/individual with limited time	Get my groceries delivered quickly and accurately to my home	Items are often out of stock, substitutions are not ideal, or delivery times are delayed/inconvenient	Inventory systems aren't always up-to-date, drivers face traffic, or there's high demand for specific delivery slots	Annoyed, inconvenienced, helpless, and disappointed