

Ideation Phase

Define the Problem Statements

Date	31 January 2025
Team ID	LTVIP2025TMID35093
Project Name	Smart Sorting & Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	2 Marks

Problem Statement (PS-1)

I am a fruit and vegetable vendor in a local market.

I'm trying to sort out rotten produce from the fresh ones before selling to customers.

But it is difficult to manually inspect and separate them quickly and accurately, especially during peak hours or in bulk stock.

Because some defects are hard to detect visually, and I don't have access to automated tools or enough time.

Which makes me feel frustrated and worried about customer complaints, loss of sales, and food waste.

Problem Statement (PS-2)

I am a supply chain manager at a warehouse that handles large volumes of fruits and vegetables.

I'm trying to ensure only fresh and quality produce is distributed to retailers.

But manual quality checks are slow, error-prone, and require extra labor.

Because we lack a reliable and scalable system to automatically detect rotten produce.

Which makes me feel inefficient, under pressure to reduce waste, and concerned about customer dissatisfaction and brand reputation.