

**Project Design Phase**  
**Problem – Solution Fit Template**

Date	26 June 2025
Team ID	LTVIP2025TMID32546
Project Name	Smart Sorting: Transfer Learning For Identifying Rotten Fruits and Vegetables
Maximum Marks	2 Marks

**Problem – Solution Fit Template:**

In larger food processing plant, workers manually sort through thousands of fruits and vegetables daily to separate the rotten ones from fresh products. This process is time consuming, prone to human error, and consist of large labour works. So we need to develop an AI model that can recognize weather fruit and vegetables are either spoiled or not.

**Purpose:**

- To provide an accessible , AI based tool for consumers and vendors to ensure freshness , reduce waste and maintain quality fruits and vegetable.
- To provide fast and accurate detection.