

**Project Design Phase**  
**Proposed Solution**

Date	27 June 2025
Team ID	LTVIP2025TMID44620
Project Name	Smart Sorting: Transfer Learning For Identifying Rotten Fruits and Vegetables
Maximum Marks	2 Marks

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Manual inspection of fruits and vegetable in large industry is time taking and requires large labour to check.
2.	Idea / Solution description	Developing an AI model that can detect whether the fruits and vegetables are spoiled or not
3.	Novelty / Uniqueness	1. Image based freshness detection 2. Integrate with real time interface using flask
4.	Social Impact / Customer Satisfaction	Helpful for consumers, vendors etc.
5.	Business Model (Revenue Model)	
6.	Scalability of the Solution	Since model training , deployment separately we can replace the components independently