Ideation Phase
Brainstorm & Idea Prioritization Template

Date	27 June 2025
Team ID	LTVIP2025TMID41045
Project Name	Smart Sorting:Transfer Learning for Identifying rotten fruits and vegetables
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming helps us generate innovative solutions by combining agricultural, retail, and household needs with AI-based technological possibilities. In this project, our goal is to **automate the detection and sorting of rotten fruits and vegetables using transfer learning**, enhancing quality control across industries.

This template enables our team to collaborate creatively—whether in person or remotely—to explore a wide range of ideas across **dataset curation, model selection, real-time deployment, waste reduction**, and **user experience**.

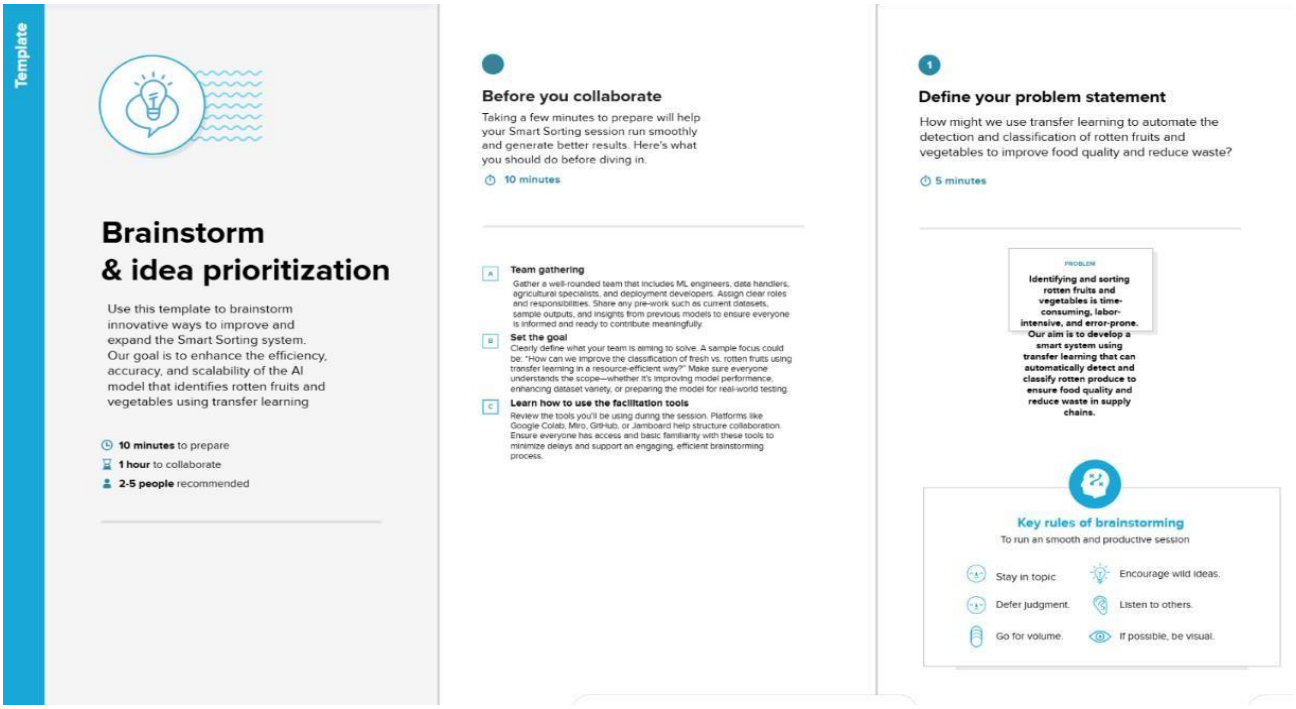
By encouraging open discussion, we can prioritize impactful ideas such as:

- Real-time detection using VGG16 and pre-trained models
- Deployable architecture across industries, retail outlets, and smart homes
- Alert systems via mobile apps for households
- Camera-based image capture and auto-sorting in factories
- Modular dataset expansion (support for various fruits and vegetables)
- Privacy in home monitoring systems

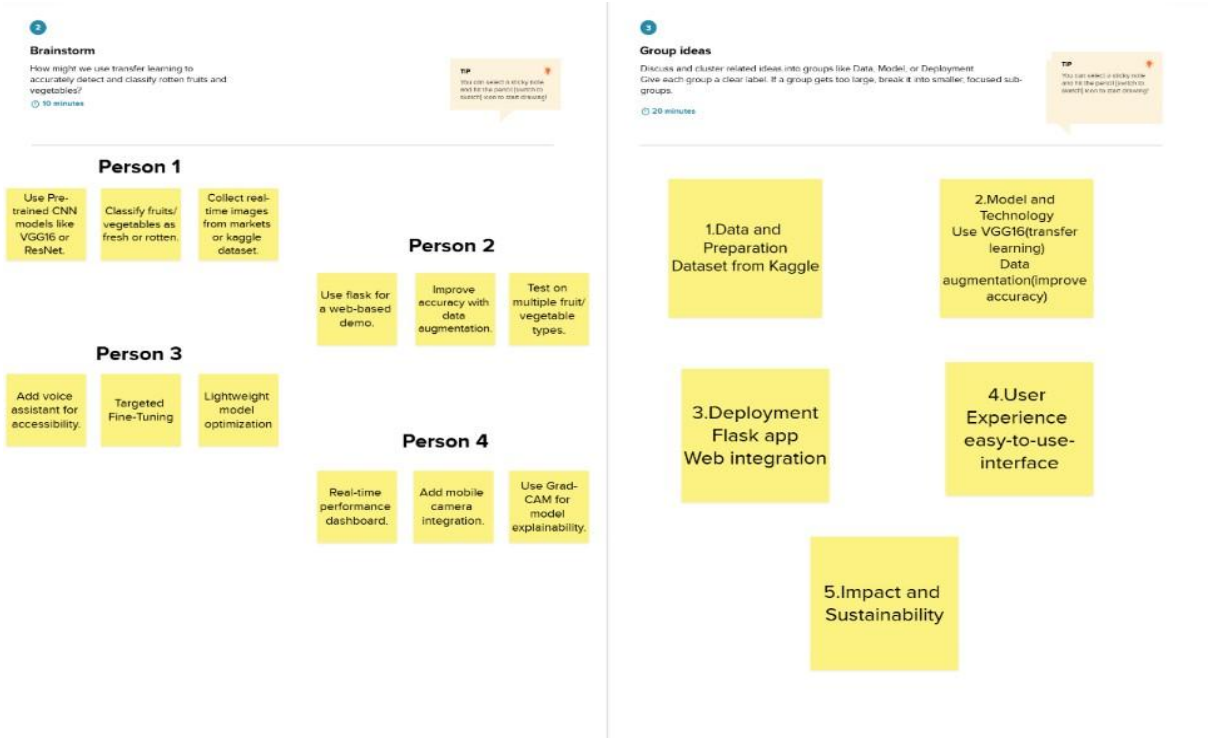
Using this structure, we ensure that our most valuable and feasible ideas are recognized, refined, and implemented—ultimately leading to a **scalable, accurate, and impactful smart sorting solution**.

This brainstorming session is focused on identifying ways to improve quality control, reduce food waste, and enhance user convenience across different environments. By encouraging all voices—technical, industrial, retail, and end-user—we can generate a wide variety of ideas, from smart kitchen integration to advanced model retraining. Using this template, we'll prioritize those ideas that not only improve performance and usability, but also increase adoption and trust in the system.

Step-1: Team Gathering, Collaboration and Select the Problem Statement



Step-2: Brainstorm, Idea Listing and Grouping



Step-3: Idea Prioritization