

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 February 2026
Team ID	LTVIP2026TMIDS77295
Project Name	Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables

Brainstorm & Idea Prioritization Template:

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

Template



Brainstorm & idea prioritization

- Project: Smart Sorting – Transfer Learning for Identifying Rotten Fruits and Vegetables
- Team ID: LTVIP2026TMIDS77295
- Team Size: 4

⌚ 10 minutes to prepare
⌚ 1 hour to collaborate
👤 4 people recommended

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

⌚ 10 minutes

Veeramalla Venkata Durga Parvathi

- Use MobileNetV2 transfer learning for rotten vs fresh
- Target accuracy > 94%
- Use binary cross-entropy with Adam optimizer
- Train on 3200+ images (fresh + rotten)

Divija Durga Eedupuganti

- Apply augmentation: rotation, zoom, flip
- Organize dataset into train/test folders
- Balance classes (equal fresh & rotten)
- Collect images from local markets + Kaggle

Ella Harika

- Build Flask web app for image upload
- Show prediction label + confidence
- Save uploaded images to uploads folder
- Responsive UI with dark/light mode

Eluri Sumanth

- Design clean homepage & about page
- Add project + team details in UI
- Show model accuracy and dataset size
- Plan future features: multi-fruit, Raspberry Pi

3

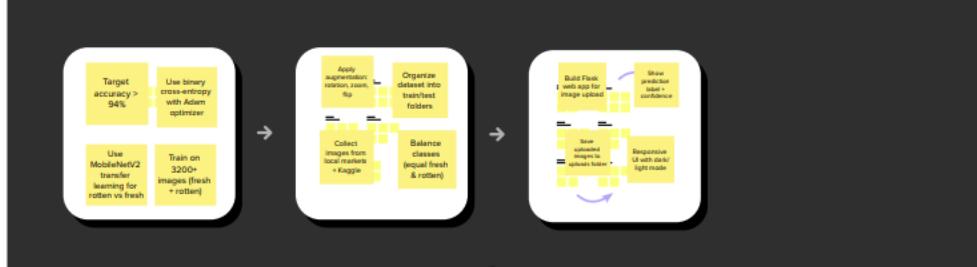
Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

⌚ 20 minutes

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.



Step-3: Idea Prioritization

