

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

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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

Eella 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

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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

