

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	1 July 2025
Team ID	LTVIP2025TMID40123
Project Name	cleantech: transforming waste management with transfer learning
Maximum Marks	4 Marks


Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: <https://www.mural.co/templates/brainstorm-and-idea-prioritization>

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



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

🕒 10 minutes to prepare
🕒 1 hour to collaborate
👤 2-8 people recommended

➔

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes

A Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

C Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

Open article ➔

1


Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

PROBLEM

How might we [your problem statement]?



Key rules of brainstorming

To run a smooth and productive session

🗣️ Stay in topic.

💡 Encourage wild ideas.

⏸️ Defer judgment.

👂 Listen to others.

🗳️ Go for volume.

👁️ If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that could help solve the problem we're tackling in *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*.

10 minutes

TIP

You can select a sticky note and hit the period (shift to search) icon to start drawing!

Person 1

Use a pre-trained CNN

Obtain the features on which the model is trained. Use a custom fabric pattern dataset to train a classification accuracy with minimal overfitting effect.

Person 2

Create a large, labeled fabric pattern dataset

Collect images from various sources (e.g., online, local, etc.) and manually label them (e.g., floral, abstract, etc.).

Person 3

Implement data augmentation

Techniques such as rotation, flipping, and zoom to increase model robustness and help a generative model generate new variations on fabric images.

Person 4

Build a lightweight mobile app prototype

Use device camera to capture fabric images and get model's pattern classification results using the trained model.

3

Group ideas

Take turns sharing your ideas for *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*, and group similar or related ideas as you go. Once all ideas have been shared and organized, assign a clear, sentence-like label to each cluster. If a cluster contains more than six ideas, try breaking it down into smaller, more focused sub-groups for better clarity.

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

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Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer (holding the **H** key on the keyboard).

Feasibility

Regardless of the importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)