

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	27 June 2025
Team ID	LTVIP2025TMID38971
Project Name	pollen's profiling: automated classification of pollen grains
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

Person 1

Use a pre-trained CNN model like ResNet or VGG and fine-tune it on a custom fabric pattern dataset to improve classification accuracy with minimal training effort.

Person 2

Create a large, labeled fabric pattern dataset by collecting images from open source fashion databases and manually tagging them by pattern type (e.g. floral, striped, checked, etcetera).

Person 3

Implement data augmentation techniques such as rotation, flipping, and zoom to increase model robustness and help it generalize across variations in fabric images.

Person 4

Build a lightweight mobile app prototype that allows users to capture fabric images and get instant pattern classification results using the trained model.

TIP

You can select a sticky note and hit the pencil (switch to select) icon to start drawing!

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 items could get done without any difficulty or cost, which would have the most positive impact?

Feasibility

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

High

Medium

Low

High

Medium

Low

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.