

# Ideation Phase

## Brainstorm & Idea Prioritization Template

Date	20 June 2025
Team ID	LTVIP2025TMID60795
Project Name	Pattern Sense: Classifying Fabric Patterns Using Deep Learning
Maximum Marks	4 Marks


### Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages both team members to participate in the creative thinking process that leads to solving the core challenge: accurately classifying fabric patterns using deep learning. Out-of-the-box ideas are welcome and built upon. Both members are encouraged to collaborate, helping each other develop a wide range of innovative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts around *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*, even if you're not sitting in the same room.

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


Template



## Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts around *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*, 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 with *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*.

⌚ 10 minutes

A

Team gathering

Since this session involves just the two of us working on *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*, make sure we both stay in sync by setting a clear meeting time. Share any relevant information or pre-work with each other ahead of time to ensure a productive discussion.

B

Set the goal

Think about the specific challenge you'll be focusing on during the brainstorming session for *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*.

C

Learn how to use the facilitation tools

Use your facilitation skills to guide a focused and productive session for *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*, making the collaboration smooth and enjoyable.

1


Define your problem statement

What problem are we trying to solve with *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*? Frame the challenge as a "How might we?" statement—this will guide the focus of our brainstorming session.

⌚ 5 minutes


PROBLEM


How might we accurately classify complex fabric patterns using deep learning techniques?





### Key rules of brainstorming


To run a smooth and productive session


 Stay in topic.

 Defer judgment.

 Go for volume.

 Encourage wild ideas.

 Listen to others.

 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 pencil (switch to sketch) icon to start drawing!

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, abstract).

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.

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

4

Prioritize

Both team members should be aligned on what's most important moving forward in *Pattern Sense: Classifying Fabric Patterns Using Deep Learning*. Place your ideas on a priority grid to evaluate which ones are most impactful and most feasible to implement.

🕒 20 minutes

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.

Importance

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

