

# Ideation Phase

## Brainstorm & Idea Prioritization Template

Date	27 June 2025
Team ID	LTVIP2025TMID38893
Project Name	Revolutionizing Liver Care : Predicting Liver Cirrhosis Using Adavanced Machine 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

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**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

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**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

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PROBLEM

How might we [your problem statement]?

**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](#)

**Person 1**  
Use a pre-trained CNN model to find the most similar fabric pattern to a given fabric pattern. Use the model to generate classification accuracy with minimal training effort.

**Person 2**  
Create a large, labeled dataset of fabric patterns by collecting images from online sources and manually labeling them by pattern type (e.g., floral, stripes, polka dots, etc.).

**Person 3**  
Implement data augmentation techniques (e.g., rotation, flipping, zoom) to increase model robustness and help it generalize across different 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 icon to sketch/scan 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 custom labels 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?

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

**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.