


Brainstorm & Idea Prioritization Template

Date	31 January 2025	Team ID: LTVIP2025TMID36593	Individual Project
Project Name	HematoVision – Advanced Blood Cell Classification Using Transfer Learning		


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


Template




Brainstorm & idea prioritization

Type your paragraph...

 10 minutes to prepare


 1 hour to collaborate

 2-8 people recommended

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 accurately classify microscopic blood cell images into their respective categories (eosinophil, lymphocyte, monocyte, neutrophil) using AI to assist medical diagnostics?


**Key rules of brainstorming**


To run an 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 address your problem statement.

🕒 10 minutes

TIP
You can select a sticky note and the eraser icon to start drawing!

Person 4

- Build an intuitive UI for doctors/researchers to upload cell images.
- Use transfer learning (MobileNetV2) for faster, accurate training.
- Implement a Flask app to make the model usable via a browser.
- Add visualization of predictions using matplotlib or base64.
- Allow user to upload image securely and preview result instantly.
- Preprocess images using OpenCV to improve input consistency.

3

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 customisable tags to sticky notes to make it easier to find, remove, replace, and categorize important ideas as they're added to your map.

- Model Efficiency
- Web Deployment
- User Experience
- Visualization
- Use transfer learning (MobileNetV2) Preprocess images using OpenCV
- Implement Flask app Secure upload and preview of images
- Intuitive UI Real-time prediction with clear labels
- Display predictions with matplotlib / base64 encoded image previews

Step-3: Idea Prioritization:

4

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

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.

