Ideation Phase
Enchanted Wings : Marvels Of butterfly Species

Team ID	LTVIP2025TMID38181
Project Name	Enchanted Wings :Marvels Of butterfly Species
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

Enchanted Wings: Marvels of Butterfly Species

Objective: Use deep learning (transfe learning VGG16 /EfficientNet) to classify butterfly species from—contibuting to biodiversity monitoring, ecological research, and citizen science education.

Brainstormed ideas

- Use trained model in real-world app to classify species from camera photos
- 75 butterfly species (− 6.499 images)

Application Areas

- Biodiversity databases Ecological monitoring tools
- Mobile apps for educational outreach

Prioritization & Selection

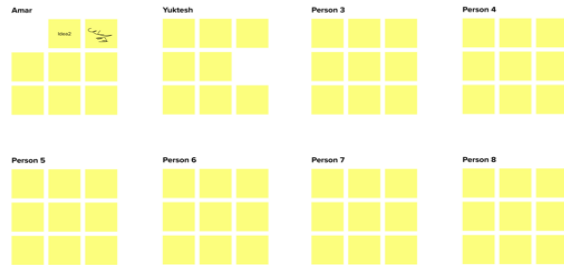| Top chosen idea	Impact
Descommor	Reused
Econystem Watch	In atyps
Research Tool	Medium
Education Kits	Medium
Population Stats	Medium
Predict trends cens.	High

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm
Write down any ideas that come to mind that address your problem statement.

🕐 10 minutes

3

Group ideas
Take turns sharing your ideas while clustering similar or related notes as you go.
In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

🕐 20 minutes

Person 4

Amar   Yuktesh   Person 3   Person 4

Person 5   Person 6   Person 7   Person 8

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

♡ 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.)