Ideation Phase
Brainstorm & Idea Prioritization Template

Date	07/11/2022
Team ID	PNT2022TMID50366
Project Name	Digital Naturalist - AI enabled tool for Biodiversity researchers
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.

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

💬 Share template feedback

➡

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 create a web application that uses a deep learning model, trained on different species of birds, flowers and mammals and get the prediction of the same when an image is been given?

To run a smooth and productive session
Key rules of brainstorming

- 😊 *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

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Brainstorm

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

⏱ *10 minutes*

Gowri T	Reethika J B	Divyadarshini M	Janani A V R
The application should be user friendly.	Beneficial for field naturalists and biodiversity researchers	Use AI to provide quicker results	Access the pictures from gallery
Information about the habitat of the scanned image.	Immediate accessiblity irrespective of place and time.	Take surveys from public to know what their needs are.	Attractive presentation
Reaching out to experts to gather information	Feedback through text and image.	Precise prediction of the animal, bird and flower.	Updation of data in database
Employ CNN and Deep learning for better decision making	Proper classification of flora and fauna	Ensure the given information aids in the safety of user	Provide informaton regarding the nature of animals
Collection of resources	Refer encyclopedias and biological books	Display of common names of the species	Time saving
Host the web app.	Integrate all the information to develop an app	Internet reliance	Get feedback and improvise.

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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 and break it up into smaller sub-groups.

⏱ *20 minutes*

Data gathering

- Reaching out to experts to gather information.
- Refer encyclopedias and biological books.
- Take surveys from public to know what their needs are.
- Collection of resources.

Development of application

- Use AI to provide quicker results
- Employ CNN and Deep learning
- Updation of data in database.
- Integrate all the information to develop an app.
- Host the web app
- The application should be user friendly.

Features of application

- Access the pictures from gallery.
- Provide the information regarding the nature of animals.
- Feedback through text and image.
- Internet reliance
- Ensure the given informations aids in the safety of user.
- Get feedback and improvise.
- Proper classification of flora and fauna
- Attractive presentation
- Immediate accessibility irrespective of place and time.

Gains

- Information about the habitat of the scanned image.
- Time Saving
- Display of common names of species.
- Beneficial for field naturalists and biodiversity researchers
- Precise prediction of the animal,bird and flower

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?

- The application should be user friendly.
- Employ CNN and Deep learning
- Take surveys from public to know what their needs are.
- Integrate all the information to develop an app.
- Reaching out to experts to gather information.
- Use AI to provide quicker results
- Immediate accessibility irrespective of place and time.
- Updation of data in database.
- Proper classification of flora and fauna
- Display of common names of species.
- Time Saving
- Feedback through text and image.
- Internet reliance

🚩 **Feasibility**

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