














Ideation Phase

Brainstorm & Idea Prioritization Template

Team ID	PNT2022TMID38591
Project Name	Digital Naturalist - AI Enabled tool for Biodiversity Researchers
Maximum Marks	4 marks

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

<div>Template</div> <div></div> <div><h2>Brainstorm & idea prioritization</h2><p>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.</p><p> 10 minutes to prepare  1 hour to collaborate  2-8 people recommended</p><hr/><h2>Digital Naturalist - AI Enabled tool for Biodiversity Researchers</h2><p> Share template feedback</p></div>	<div></div> <div><h3>Before you collaborate</h3><p>A little bit of preparation goes a long way with this session. Here's what you need to do to get going.</p><p> 10 minutes</p><hr/><div><div>A</div><div>Team gathering Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.</div></div><div><div>B</div><div>Set the goal Think about the problem you'll be focusing on solving in the brainstorming session.</div></div><div><div>C</div><div>Learn how to use the facilitation tools Use the Facilitation Superpowers to run a happy and productive session. Open article →</div></div></div>	<div><div>1</div><div>Define your problem statement</div><p>What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.</p><p> 5 minutes</p><hr/><div><div>PROBLEM</div><p>In this project, we are creating a web application which uses a deep learning model, trained on different species of birds, flowers and mammals (2 subclasses in each for a quick understanding) and get the prediction of the bird when an image is been given</p></div><div><div>Key rules of brainstorming To run an smooth and productive session</div><div><div> Stay in topic.</div><div> Encourage wild ideas.</div></div><div><div> Defer judgment.</div><div> Listen to others.</div></div><div><div> Go for volume.</div><div> If possible, be visual.</div></div></div></div>
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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 fill the pencil (switch to sketch) icon to start drawing!

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

MUKESH KUMAR S

Interactive app with camera interface	CNN based Model	ML model for classification	Hyper-parameter Tuning
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ARAVIND P

Responsive UI	Data collection	Image processing	Building HTML page
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JANAKIRAMAN R

Data Augmentation	Deep learning models	Data Preprocessing	Computing model accuracy
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THARUN KUMAR T

One hot encoding	Real life implementation	Accessible UI	choice of optimizer and loss funtion
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User Interface(UI)

Interactive app with camera interface	Responsive UI
Accessible UI	Building HTML page

Machine learning model

ML model for classification	choice of optimizer and loss funtion
CNN based Model	Computing model accuracy

Model training

Hyper-parameter Tuning	One hot encoding
Real life implementation	Deep learning models

Data Preprocessing

Data Preprocessing	Data collection
Data Augmentation	Image processing

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

