Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	04 October 2022
Team ID	PNT2022TMID03402
Project Name	Project – Digital Naturalist - AI enabled tool for biodiversity researchers
Maximum Marks	4 Marks

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Brainstorm

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

🕐 **10 minutes**

Ganesh K

Closely Related Species	Edibleness of the species	Identify poisonous species of plants	Rarity of species

Vijaya raghavan V

Biological name of the species	Interactive UI with camera interface	Data Augmentation	Describing the threat level of the species

Sudhakaran S

Uses of the species	Appropriate CNN based classification model	Origin of the species	Accurate Results

Kishore P

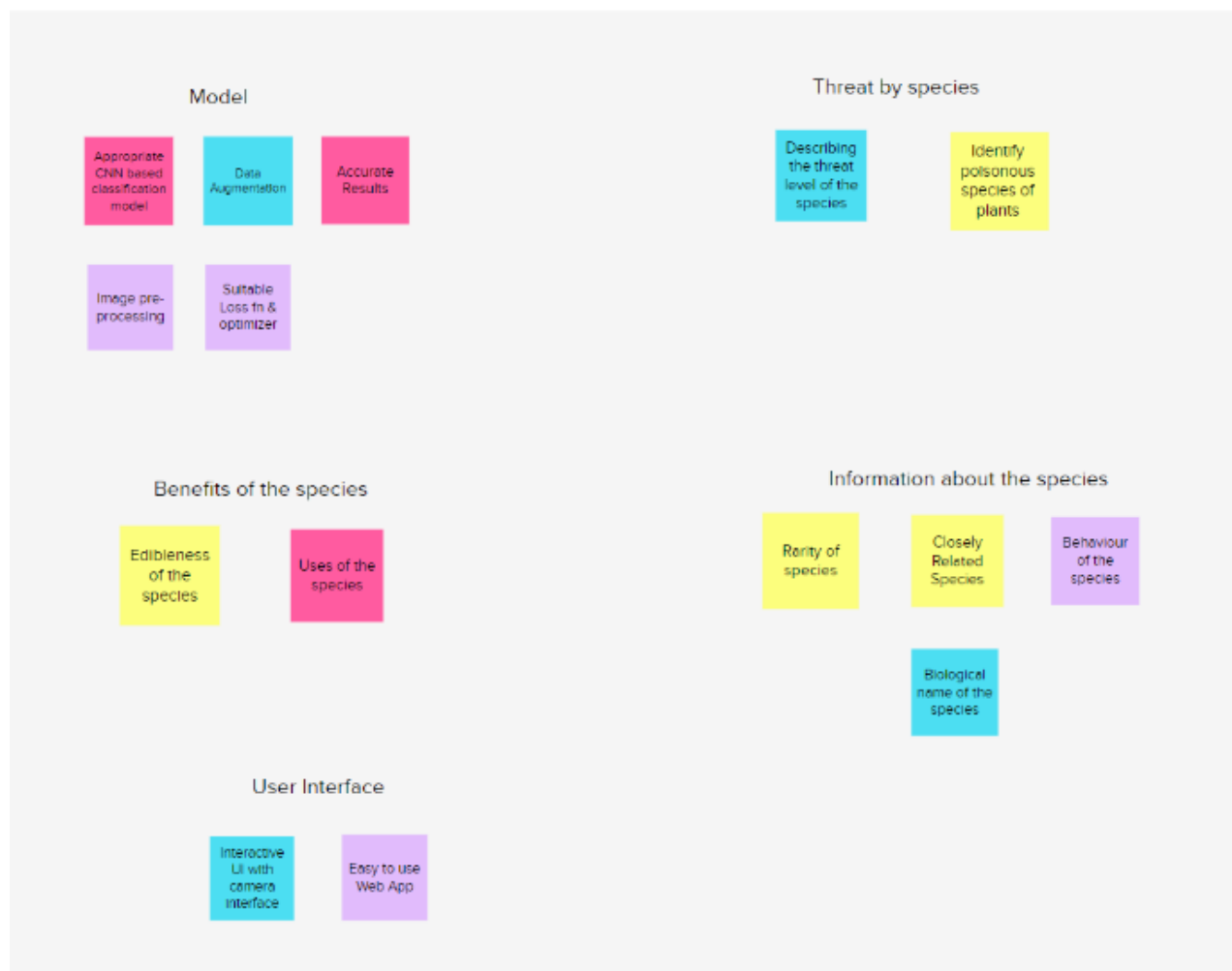|			
Behaviour of the species	Image pre-processing	Suitable Loss fn & optimizer	Easy to use Web App

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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

Model

- Appropriate CNN based classification model
- Data Augmentation
- Accurate Results
- Image pre-processing
- Suitable Loss fn & optimizer

Threat by species

- Describing the threat level of the species
- Identify poisonous species of plants

Benefits of the species

- Edibleness of the species
- Uses of the species

Information about the species

- Rarity of species
- Closely Related Species
- Behaviour of the species
- Biological name of the species

User Interface

- Interactive UI with camera interface
- Easy to use Web App

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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?

Sticky notes on the grid:
- Describing the threat level of the species
- Suitable Loss fn & optimizer
- Biological name of the species
- Appropriate CNN based classification model
- Accurate Results
- Identify poisonous species of plants
- Image pre-processing
- Easy to use Web App
- Uses of the species
- Data Augmentation
- Rarity of species
- Behaviour of the species
- Interactive UI with camera interface
- Edibleness of the species
- Origin of the species
- Closely Related Species

Feasibility

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