This is a text box...

UNIVERSITY

**IBM PROJECT**

**BRAINSTROMING AND IDEATION**

# Digital Naturalist-

**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**

**2**

**Brainstorm**

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

**10 minutes**

**3**

**Group ideas**

Use this space to group similar ideas from the brainstorm. Each group should have a title that describes what the ideas have in common. If a group is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

**20 minutes**

**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**

# AI Enabled tool for Biodiversity Researchers.

user friendly web application

dataset customization

Geo habitat locater

online ornithologist

**PROBLEM**

1. Identify the flora and fauna using deep learning techniques and to recommend the related information about them.
2. Provide dataset information for recognized flora and fauna.**?**

endangered species library

floral dependency

## 

medical documentory

user contribution

**CATEGORY 1 CATEGORY 2**

online ornithologist

|  |  |  |
| --- | --- | --- |
| floral | leaf | significant use |
| dependency | analysis(floral) | dichotomous key |

online

Fossil findings

DL based animal classifier

ebook

user friendly web application

online

### online

**footprint impression analyzer**

**dataset customization**

**online ornithologist**

A naturalist is someone who studies the patterns of nature, identifies a different kind of flora and fauna in nature. Being able to identify the flora and fauna around us often leads to an interest in protecting wild spaces, and collecting and sharing information about the species we see on our travels is very useful for conservation groups like NCC. When venturing into the woods, field naturalists usually rely on common

**Key rules of brainstorming**

To run an smooth and productive session

ebook

breed specializations

semantic links(linked open data)

**CATEGORY 3**

individual pattern recognization

foodchain classifier

snake poison classification

prediction classification on shapes

foodchain classifier

ornithologist

**CATEGORY 4**

wildlife and santuaries locator

Geo habitat locater

ichthologist

**Importance**

If each of these

**leaf analysis(floral)**

### ichthologist

**endangered species library**

online ichthologist

prediction classification on shapes

snake poison classification

wildlife and santuaries locator

approaches like always carrying a guidebook around everywhere or seeking help from experienced ornithologists. There should be a handy tool for them

Stay in topic.

Defer judgment.

Encourage wild ideas.

Listen to others.

tasks could get

done without any difficulty or cost, which would have the most positive impact?

### Fossil findings

**animal sound**

individual pattern recognization

animal sound detector

to capture, identify and share the beauty to the

outside world. Field naturalists can only use this web app from anywhere to identify the birds, flowers, mammals and other species they see on their hikes, canoe trips and other excursions. 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.

Go for volume. If possible, be visual.

### user contribution

dichromatic classification

sworn enimies(animal territorials)

Fossil findings

sworn enimies(animal territorials)

DL based animal classifier

dichromatic classification

significant use dichotomous key

individual pattern recognization

|  |  |
| --- | --- |
| season |  |
| forecasting | dataset |
| using | customization |
| migration |  |

**breed specializations**

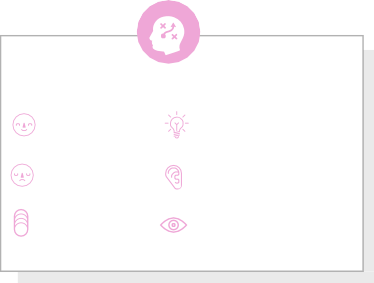
**individual pattern recognization**

|  |  |  |
| --- | --- | --- |
| bio-inspired algorithms | online ornithologist | leaf analysis(floral) |
| season forecasting using migration | delieverables from animals after decease | footprint impression analyzer |

### floral

**detector**

### dependency



**Feasability**

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