Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	16 October 2022
Team ID	PNT2022TMID21731
Project Name	Project – Digital Naturalist - AI enabled tool for biodiversity researchers
Maximum Marks	4 Marks

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

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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 →

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

Biodiversity is the presence of variability of life on earth that includes different plants, animals and every other living thing. It is a life support system. The process of identifying the species of flora and fauna becomes complicated when tried doing manually thus a digital way of figuring it out would be a hassle-free and it enables to identify them accurately.

Key rules of brainstorming
To run an smooth and productive session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be visual.

Brainstorm

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

Person 1

Sensoring nature	guiding nature things	Learning Nature
observing Nature	data collection of animals	ornithologists
Capture Nature	**Handy tool**	Web Application

Person 2

Guide Book	Identify Flora and Founa	Artificial Intelligence
Tourist Site	Classify Nature Things	Monitor Biodiversity
Internet of Things	**Deep Learning**	**Camera Trapping**

Person 3

Biodiversity monitoring	Digital Exploration	**Big Data**
learning Nature Things	Predicting change of nature	application for learning nature
data collection of Nature	Nature Observation	**Digital Naturalist**

Person 4

web Naturalist	Biodiversity Clarity	Machine Learning
Sensoring by camera	**web guide book**	**AI**
Capture flora and founa	Implementation of Deep Learning	**IOT**

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**

Digital Naturalist

To finding things what you see in nature by a web application

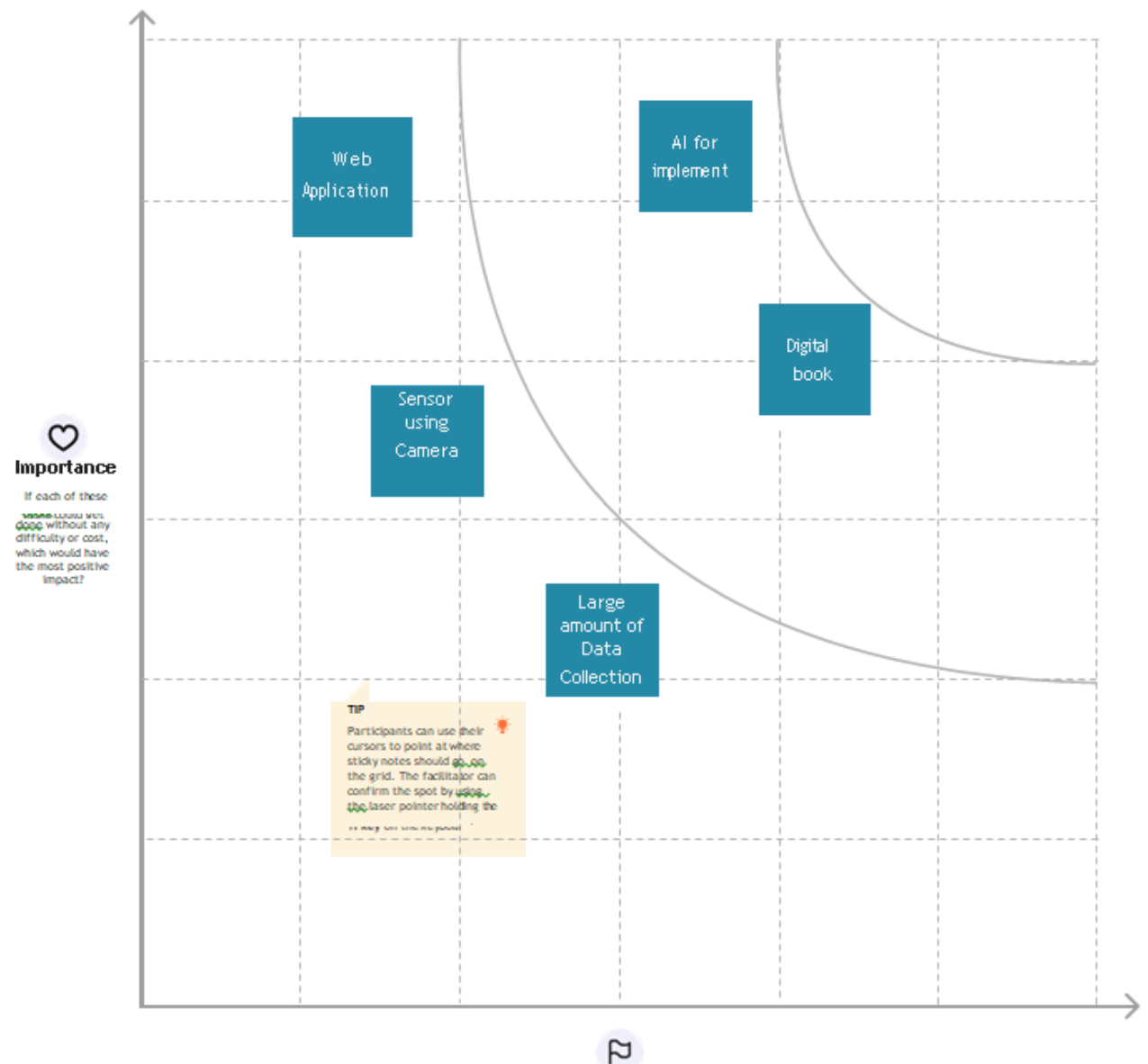To finding things what you see in nature by a web application

To finding things what you see in nature by a web application

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**

Web Application

AI for implement

Digital book

Sensor using Camera

♡
Importance

If each of these **were** could **get done** without any difficulty or cost, which would have the most positive impact?

Large amount of Data Collection

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.

→ After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

Share the mural
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

Export the mural
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

Strategy blueprint
Define the components of a new idea or strategy.

Open the template →

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.

Open the template →

Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

Open the template →

Share template feedback