

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	592756
Project Name	POTATO DISEASE CLASSIFICATION
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.

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.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

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

Template



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

→

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
EDE RENUKA MADHAV
V.P.PRANEETH REDDY
GOVINDULA SAI SANTHOSH

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](#) →

Step-2: Brainstorm, Idea Listing and Grouping

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 Predict potato leaf disease early?

Key rules of brainstorming

To run an smooth and productive session

Stay in topic.

Defer judgment.

Go for volume.

Encourage wild ideas.

Listen to others.

If possible, be visual.

2

Brainstorm

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

🕒 10 minutes

TIP

You can select a sticky and hit the pencil [draw sketch] icon to start draw

Person 1

Monitoring Environmental Conditions: Keep a close eye on weather conditions, especially temperature and humidity.

Educate the farmers about the issue on potatoes disease

collaboration among farmers, agricultural experts, and researchers to share knowledge and best practices for disease prediction

Person 2

Data Analysis and Machine Learning: Implement machine learning algorithms that analyze historical data on weather patterns, soil conditions, and disease occurrences.

Conduct campaigns and programs on these diseases in the villages.

Practice crop rotation to minimize the buildup of pathogens in the soil.

Person 3

Remote Sensing and Imaging Techniques: Use remote sensing technologies such as drones equipped with multispectral or hyperspectral cameras to monitor the health of potato crops.

Train farmers and agricultural workers to recognize early symptoms of common potato leaf diseases.

Image processing and deep learning: Image processing and deep learning algorithms can be used to analyze images of potato leaves and identify signs of disease at an early stage

Step-3: Idea Prioritization

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

TIP

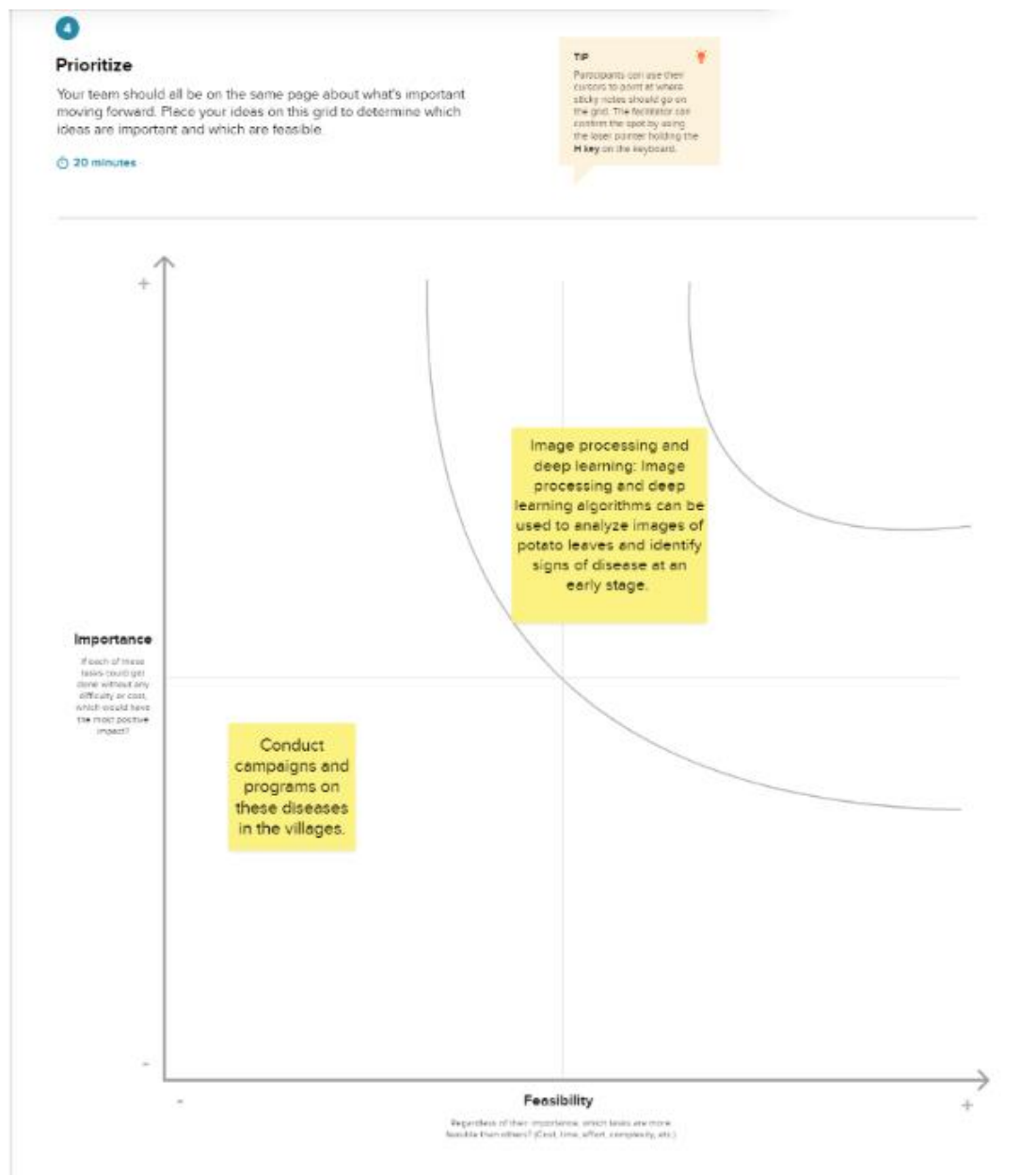
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Data Analysis and Machine Learning: Implement machine learning algorithms that analyze historical data on weather patterns, soil conditions, and disease occurrences.

Image processing and deep learning: Image processing and deep learning algorithms can be used to analyze images of potato leaves and identify signs of disease at an early stage.

Conduct campaigns and programs on these diseases in the villages.

Educate the farmers about the issue on potatoes disease



LINK TO OUR Brainstorm & Idea Prioritization:

<https://app.mural.co/t/madhav3799/m/madhav3799/1697527436648/1e1078bf30bf8d026bb330940b7212e7af7b2ea3?sender=u6d42c177b48608ca1d307450>