

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	18 October 2023
Team ID	Team-592955
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


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

Dogiparthi Aasrith
Mandava Nidhish
Veera Hari Sai Prasad
Yarraguntla Kalyan Chakravarthy

B

Set the goal

Potato Disease Classification Using Deep Learning

C

Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

Open article

→

Step-2: Select the Problem Statement ,Brainstorm and Idea Listing

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

Who:
Farmers

When:
To prevent the spread of the disease and reduce crop damage.

What:
Classifying potato leaf images and Predicting potato leaf disease

Where:
During the detection of potato leaf disease

Why:
The issue need to be fixed because it can have significant negative impacts on farmers, consumers, and the environment and more over to minimize crop loss

PROBLEM

How might we enable farmers to understand and to classify whether potato is healthy or early blight or late blight by checking potato leaf.

2

Brainstorm

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

🕒 10 minutes

Person 1

Data acquisitionDisease program trackingReal time processing

Person 2

Data preprocessingModel architectureTransfer learning

Person 3

Data AugumentationHyperparameter tuningCommunity Bulding

Person 4

Data AuthenticationError Analysis and loss functionEarly warning system

→

Step-3: Grouping

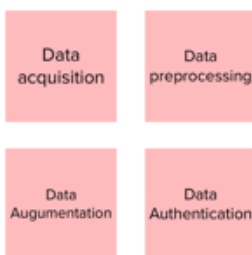
3

Group ideas

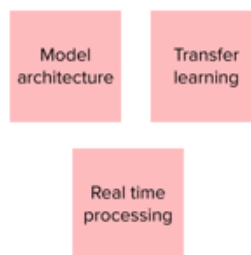
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

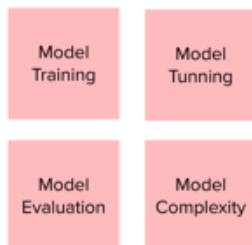
Data and Preprocessing



Model and Architecture



Training and Model Fine-Tuning



Deployment & Observation



Step-4: 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

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](#)

Link to our Mural:

<https://app.mural.co/t/potatodiseaseclassification6912/m/potatodiseaseclassification6912/1697563672584/5ca1b1b1eb0275f91a7a77514eb2e201214b0aa5?sender=u810983eaaa1f4341f1764642>