

Ideation Phase

Brainstorm & Idea Prioritization

Date	02 October 2022
Team ID	PNT2022TMID10715
Project Name	Fertilizers Recommendation System For Disease Prediction
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.




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

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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](#) 

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 [your problem statement]?





Key rules of brainstorming


To run a smooth and productive session


 Stay in topic.


 Encourage wild ideas.

 Defer judgment.

 Listen to others.


 Go for volume.

 If possible, be visual.



Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#) 

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

10 minutes

Umasankari

- determine the appropriate rate
- minimise losses as ammonia
- minimise nitrate leaching
- take a precise snapshot
- simple access

Vidhya

- Better software maintenance is needed.
- accurate plant disease detection
- Plants should grow effectively as a result of fertilisers.
- It should be possible to find a way to have the software stop misinterpreting plant diseases
- software issue resolution at the appropriate time

Vinothini

- Software will offer the right fertilisers for the various plants.
- Based on the plant's symptoms, algorithms should be able to predict the illness with accuracy.
- Farmers will earn more money if fertilisers are recommended.
- The farmers should spend less time predicting diseases thanks to software.
- The fertilisers are advised properly based on the progression of plant disease.

Yuvasri

- track plant development
- a crop health test
- monitor crop development's positive and negative dynamics
- understanding of the cotton crop
- an increase in soil fertility

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

minimise losses as ammonia

Better software maintenance is needed.

a crop health test

Plants should grow effectively as a result of fertilisers.

determine the appropriate rate

Farmers will earn more money if fertilisers are recommended.

monitor crop development's positive and negative dynamics

Software will offer the right fertilisers for the various plants.

take a precise snapshot

The farmers should spend less time predicting diseases thanks to software.

software issue resolution at the appropriate time

Better software maintenance is needed.

Step-3: 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

Importance

Feasibility

take a precise snapshot

Farmers will earn more money if fertilisers are recommended.

determine the appropriate rate

Plants should grow effectively as a result of fertilisers.

Better software maintenance is needed.

Software will offer the right fertilisers for the various plants.

monitor crop development's positive and negative dynamics

track plant development

minimise nitrate leaching

a crop health test

The fertilisers are advised properly based on the progression of plant disease.