

Ideation Phase


Brainstorm & Idea Prioritization Template

Date	15 October 2022
Team ID	PNT2022TMID01136
Project Name	FERTILIZERS RECOMMENDATION SYSTEM FOR DISEASE PREDICTION
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization :




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


 Share template feedback




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

**Team gathering**

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

**Set the goal**

Think about the problem you'll be focusing on solving in the brainstorming session.

**Learn how to use the facilitation tools**


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

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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 help the farmers by identifying the diseases that affecting the growth of the crops and to increase the productivity of the crop by recommending the suitable fertilizers for the crops.





FERTILIZERS RECOMMENDATION SYSTEM FOR DISEASE PREDICTION





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.

Step-2: Brainstorm, Idea Listing and Grouping

2 Brainstorm

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

10 minutes

Rathish Kanna

- We can use image processing technique to identify the disease that affect the crops.
- After predicting the disease we should suggest the exact pesticide to cure it.
- We can also add comment section to allow each user to share their opinion on other user's problem.

Sabrin

- We can use artificial neural network to process the data found.
- We can also add "Ask the expert" option to solve the doubts of the user.
- People with no prior knowledge can access.

Parthiban

- Instruct the user to upload the clear image of the affected crops.
- We can add BOT option that contains whole dataset to solve basic doubts of the users.
- We should add lots of language option so that the user from various place can use.

Durgadevi

- Add CNN layer for data processing.
- We can also add the data section that tells the basic nutrients and minerals need to grow crops.
- Should ensure faster response.

Peter John

- Should upload wide range of dataset.
- We can also sell the fertilizer and pesticides.
- Should suggest the nearby shop where the recommended fertilizer is available.

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

App developing technique

- Should upload the wide range of dataset.
- We can use image processing technique to identify the disease that affect the crops.
- Add CNN layer for data processing.
- Instruct the user to upload the clear image of the affected crops.
- We can use artificial neural network to process the data found.
- We can add BOT option that contains whole dataset to solve basic doubts of the users.
- We can also add "Ask the expert" option to solve the doubts of the user.
- We can also add the data section that tells the basic nutrients and minerals need to grow crops.
- We can also add comment section to allow each user to share their opinion on other user's problem.
- We can also sell the fertilizer and pesticides.

Easy access and customer satisfaction

- We should add lots of language option so that the user from various place can use.
- People with no prior knowledge can access.
- After predicting the disease we should suggest the exact pesticide to cure it.
- Should ensure faster response.
- Should suggest the nearby shop where the recommended fertilizer is available.

Future development ideas

- We can also add "Ask the expert" option to solve the doubts of the user.
- We can also add the data section that tells the basic nutrients and minerals need to grow crops.
- We can also add comment section to allow each user to share their opinion on other user's problem.
- We can add BOT option that contains whole dataset to solve basic doubts of the users.
- We can also sell the fertilizer and pesticides.

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

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

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 →](#)

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