



Fertilizer Recomentation System for Disease Prediction

The most significant industry in today's society is agriculture. Several different bacterial and fungi-related illnesses afflict the majority of plants. Plant diseases significantly reduced crop yield and posed a serious danger to global food security. In order to attain maximum quantity and optimum quality, early and precise diagnosis of plant diseases is essential. The variety of pathogen strains, modifications to cultivations, and lack of sufficient plant protection systems have all contributed to an increase in the number of plant diseases and the severity of the damage they inflict in recent years.

10 minutes to prepare
1 hour to collaborate
2-5 people recommended



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Before you collaborate

With this session, a little bit of planning helps a lot. Here are the steps you must take to begin.

10 minutes

A

Team gathering

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

B

Set the goal

Consider the issue you plan to concentrate on solving during the brainstorming session.

C

Get familiar with the facilitation tools.

Activate your facilitation superpowers to lead a fun and effective meeting.

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1

Define your problem statement

What issue are you attempting to address? Create a How Might We statement for your issue. Your brainstorm will be focused on this.

5 minutes

PROBLEM

- Use deep learning techniques to identify plant diseases and suggest fertilizers to prevent them.
- Provide a link to the recommended fertilizer's website.



Key rules of brainstorming

To conduct a successful and efficient session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- 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 note and hit the pencil button to sketch (even to start drawing)

Praveen Sooraj

- website that offers fertilizing advice
- Determine the illness
- Choosing the finest fertilizer
- Easily navigable website
- It decreases the workload
- A clever response to the issue

Sathasivam

- A mathematical model for diagnosing plant diseases based on deep learning
- Rapid disease identification and control
- Better use of resources that exist
- The dynamic user interface makes it simple to upload photographs.
- Boosts efficiency
- The dynamic user interface makes it simple to upload photographs.

Sathasivam

- Farmers will find this useful.
- Fertilizers are recommended.
- Resource Utilization
- Simple User Interface
- lowers the cost
- enhances profit

Roshan

- pre-trained image classification model
- construct the keras image classification model
- introducing radical changes to the agricultural sector
- Utilizing this application is less expensive.
- Early stages of illness can be spotted by them.

Thaafia

- Rapid resolution
- helpful for people who lack prior knowledge
- Admin can access the required fertilizers via Gmail.
- Consequently, time will be saved.
- website for farmers

3

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 can break it up into smaller sub-groups.

20 minutes

Category 1

- Fertilizer recommendation website
- The dynamic user interface makes it simple to upload photographs.

- Determine the illness
- helpful for people who lack prior knowledge

- Utilizing this application costs less money.
- website for farmers

Category 2

- pre-trained image classification model
- The dynamic user interface makes it simple to upload photographs.

- A mathematical model for diagnosing illness that is based on deep learning
- introducing radical changes to the agricultural sector

- construct the keras image classification model
- Early stages of illness can be spotted by them.

Category 3

- Rapid resolution
- Early illness detection is possible.

- Admin can access the required fertilizers via Gmail.
- A clever response to the issue

- better use of resources that exist
- Utilizing this application is less expensive.

4

Prioritize

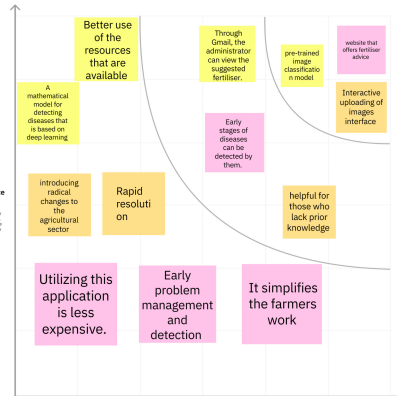
Everyone on your team needs to agree on what is crucial going forward. To decide which of your ideas are crucial and feasible, arrange them on this grid.

20 minutes



Importance

If each of these tasks must 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.)

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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

A

Share the mural

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

B

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

A

Strategy blueprint

Define the components of a new idea or strategy.

B

Customer experience journey map

Understand customer needs, motivations, and obstacles for an experience.

C

Strengths, weaknesses, opportunities & threats

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

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