

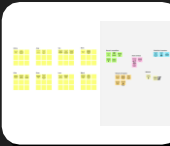


Fertilizer Recomentation System for Disease Prediction

Agriculture is the most important sector in today's life. Most plants are affected by a wide variety of bacterial and fungal diseases. Diseases on plants placed a major constraint on the production and a

major threat to food security. Hence early and accurate identification of plant diseases is essential to ensure high quantity and best quality. In recent years, the number of diseases on plants and the degree of harm caused has increased due to the variation in pathogen varieties, changes in cultivation methods, and inadequate plant protection techniques.

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



Need some inspiration?
See a finished version of this template to kickstart your work.
Open example



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

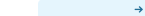
Think about the problem you'll be focusing on solving in the brainstorming session.



Learn how to use the facilitation tools

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

Open article



Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will b focus of your brainstorm.

5 minutes

PROBLEM

1. Identify the disease on plants using deep learning techniq and to recommend the fertilizers for reducing the disease
2. Provide website information for recommened fertilizer.



Key rules of brainstorming

To run an smooth and productive session



Stay in topic.



Encourage wild id



Defer judgment.



Listen to others.



Go for volume.



If possible, be vis



Brainstorm

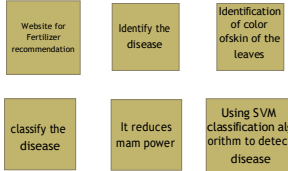
Write down any ideas that come to mind that address your problem statement.

10 minutes

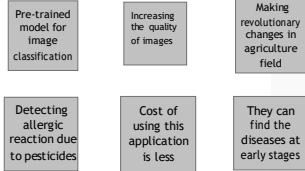
TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Chanukya E



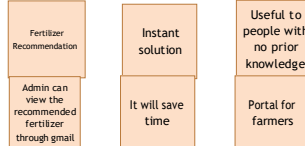
Kaviya K



Thejas K



Bhuvanesh S Tharani SR



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 and break it up into smaller sub-groups.

20 minutes

Category 1

Website for Fertilizer recommendation

Identify the disease

Cost of using this application is less

Pre-trained model for image classification

Deep learning based mathematical model for detecting diseases

Build keras image classification model

Interactive user interface to upload images

Useful to people with no prior knowledge

Portal for farmers

Interactive user interface to upload images

Making revolutionary changes in agriculture field

Early detection and management of problem

Category 3

Instant solution

Admin can view the recommended fertilizer through gmail

Better utilization of available resources

They can find the diseases at early stages

Smart solution to solve the problem

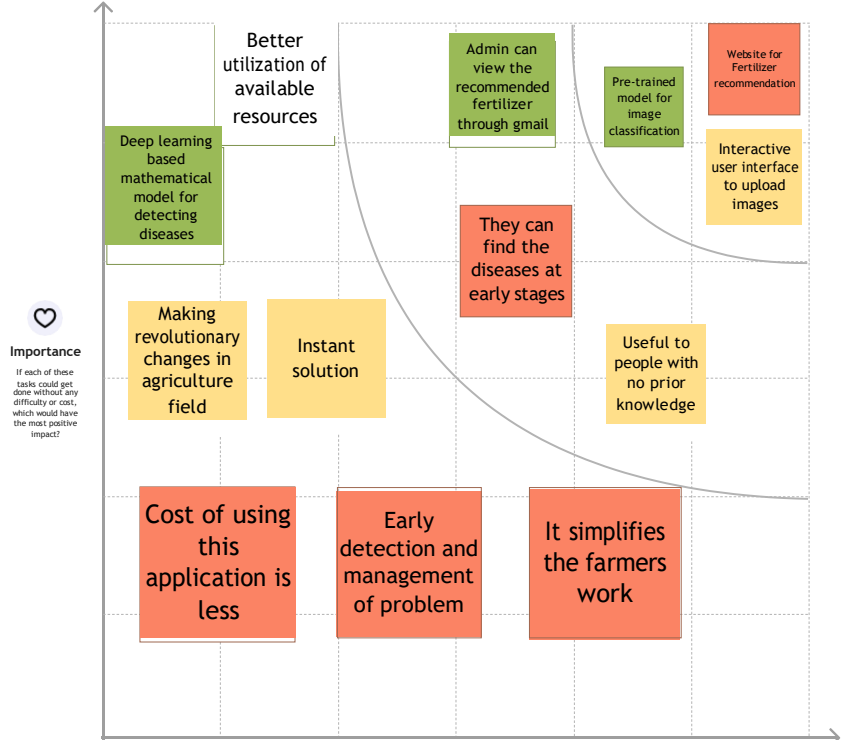
Cost of using this application is less



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



Open the template

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