



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



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

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

1) In agricultural aspects, if the plant is affected by leaf disease, then it reduces the growth and productiveness. Generally, the plant diseases are caused by the abnormal physiological Functionalities of plants.

2) People who Grow Crops and facing Issues of Plant Disease .

3) The Traditional methods of Fertilizer prediction and Disease analysis are Expensive and takes a lot of time .

Key rules of brainstorming
To ru an smooth and productive 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 [switch to sketch] icon to start drawing!

JERINA A	EMIMA S
Website for Fertilizer recommendation	Pre-trained model for image classification
Identify the disease	Build keras image classification model
Determining best fertilizer	Making revolutionary changes in agriculture field
User friendly website	It simplifies the farmers work
It reduces man power	Cost of using this application is less
Smart solution to solve the problem	They can find the diseases at early stages
DINO J	SESHATRI N
Deep learning based mathematical model for detecting diseases	Fertilizer Recommendation
Early detection and management of problem	Instant solution
Better utilization of available resources	Useful to people with no prior knowledge
Interactive user interface to upload images	Admin can view the recommended fertilizer through gmail
Improves productivity	It will save time
Interactive user interface to upload images	Portal for farmers

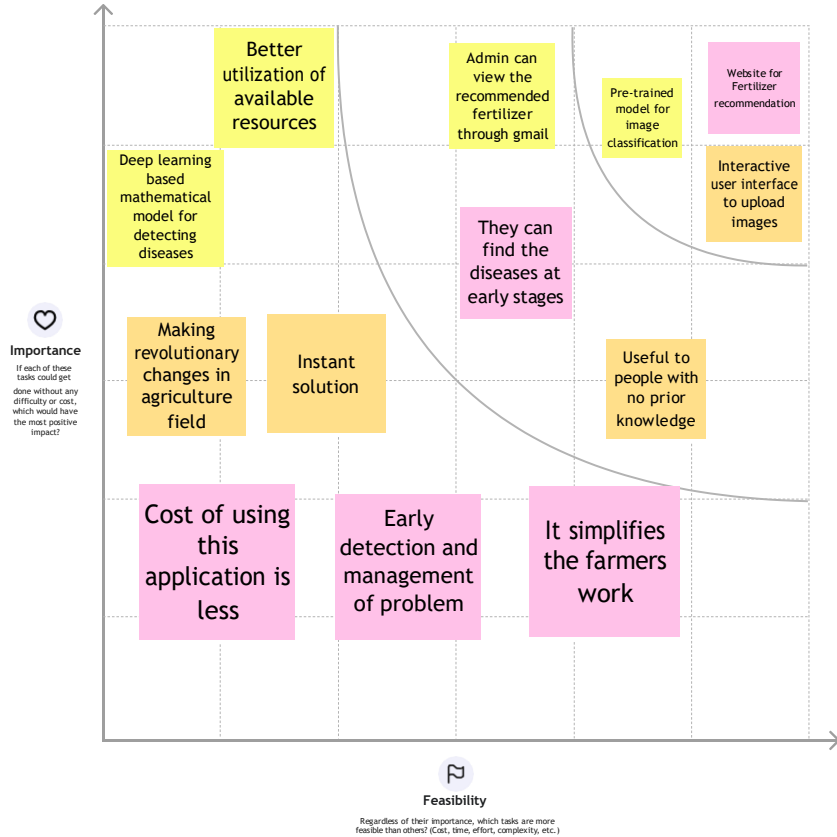
3

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 and break it up into smaller sub-groups.
20 minutes

Category 1	Category 2
Website for Fertilizer recommendation	Pre-trained model for image classification
Identify the disease	Deep learning based mathematical model for detecting diseases
Cost of using this application is less	Build keras image classification model
Interactive user interface to upload images	Making revolutionary changes in agriculture field
Useful to people with no prior knowledge	Early detection and management of problem
Portal for farmers	
Category 3	
Instant solution	Admin can view the recommended fertilizer through gmail
They can find the diseases at early stages	Better utilization of available resources
Smart solution to solve the problem	Cost of using this application is less

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

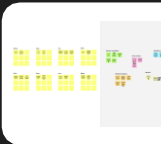


After you collaborate
You can export the mural as an image or pdf to share with members of your company who might find it helpful.

- 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



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

