Template

Fertilizer Recommendation 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 funal 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

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 yo 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 techni and to recommend the fertilizers for reducing the diseas
2. Provide website information for recommened fertilizer.

Key rules of brainstorming

To run an smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild i
- Listen to others.
- If possible, be vis

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!

Sree Ram U

Website for Fertilizer recommendation	Identify the disease	Determining best fertilizer
User friendly website	It reduces mam power	Smart solution to solve the problem

Balaji M

Pre-trained model for image classification	Build keras image classification model	Making revolutionary changes in agriculture field
It simplifies the farmers work	Cost of using this application is less	They can find the diseases at early stages

Mohammed Farook C

Deep learning based mathematical model for detecting diseases	Early detection and management of problem	Better utilization of available resources
Interactive user interface to upload images	Improves productivity	Interactive user interface to upload images

Pradeep V

Fertilizer Recommendation	Instant solution	Useful to people with no prior knowledge
Admin can view the recommended fertilizer through gmail	It will save time	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

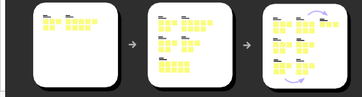
- Website for Fertilizer recommendation
- Identify the disease
- Cost of using this application is less
- Interactive user interface to upload images
- Useful to people with no prior knowledge
- Portal for farmers

Category 2

- 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
- Making revolutionary changes in agriculture field
- Early detection and management of problem

Category 3

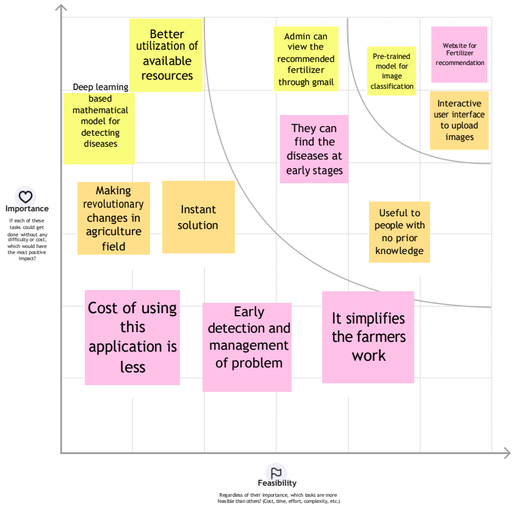
- Instant solution
- Admin can view the recommended fertilizer through gmail
- Better utilization of available resources
- They can find the diseases at early stages
- Smart solution to solve the problem
- Cost of using this application is less



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

A **Share the mural**
Share a view 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

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