

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 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



A little bit of preparation goes a long way with this session. Here's what you need to do to get going. ① 10 minutes

Before vou collaborate

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

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 yo problem as a How Might We statement. This will b focus of your brainstorm.

→ 5 minutes

PROBLEM

. Identify the disease on plants using deep learning techniand to recommend the fertilizers for reducing the diseas 2. Provide website information for recommend fertilizer.

To run an smooth and productive session

Stay in topic.

Go for volume.

If possible, be vis

Encourage wild i

→ 10 minutes

Sathish M Madhesh

Identify the disease

mam power website

Selvakumar

detection and management

of problem

based mathematical model for detecting diseases

user interface

to upload

images

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

solution to solve the

utilization of

available

resources

Interactive

user interface

to upload

images

best fertilizer

It simplifies the farmers

image

classification

view the

recommended fertilizer

through gmail

Cost of using this application work is less

solution

image classification

model

You can select a sticky note

sketch] icon to start drawing!

changes in

agriculture

field

Portal for

It will save time

They can find the diseases at early stages to upload Useful to people with no prior knowledge

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.

① 20 minutes

images

Category 1

Website for Identify the this Fertilizer application is recommendation less Interactive user interface

no prior farmers knowledge

Instant

solution

They can

find the

diseases at

early stages

Making revolutionary changes in to upload agriculture of problem

field

Admin can Better view the utilization of recommended available fertilizer resources through gmail Smart Cost of using

Category 2

Deep learning matheredical model for image classification detecting model classification diseases Interactive user interface detection and

Category 3

solution to

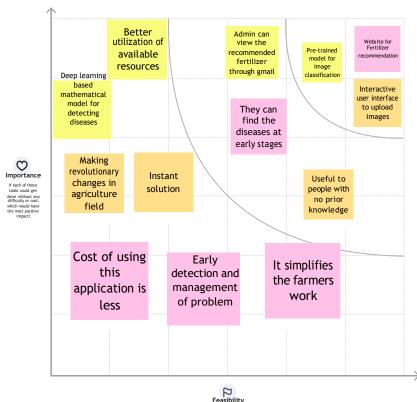
problem

application is

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 vou 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.

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

Define the components of a new idea or

Customer experience journey map

Inderstand 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

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















