

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.

0 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.

① 10 minutes

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

Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and

Set the goal
Think about the problem you'll be focusing on solving in

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.

① 5 minutes

PROBLEM

Identify the disease on plants using deep learning techni-Provide website information for recommend fertilizer

Key rules of brainstorming To run an smooth and productive session

Stay in topic.

Defer judgment. Go for volume. If possible, be vis

Listen to others

Encourage wild i

Brainstorm

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

① 10 minutes

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

Group ideas

① 20 minutes

Website for

Fertilizer

recommendation

Interactive

user interface

to upload

images

Gurumoorthy J Praveen Joseph Ratniah E

the farmers

work

website

Deep learning based mathematical model for detecting diseases

Interactive user interface

to upload images

solution to

solve the

problem

Build keras image classification model Pre-trained model for image classification

changes in agriculture field

find the diseases at early stages

Barath Kumar K

Cost of

using this

application

is less

solution

detection and management of problem

productivity

Identify the

disease

mam power

Manoj Kumar N

resources Interactive

user interface

images

to upload

view the It will save time

knowledge Portal for

Useful to

people with

no prior

farmers

Category 2

Cost of using Build keras Identify the this model for mathematical model for application is image classification detecting model less classification diseases Useful to Making Interactive Early revolutionary people with user interface detection and

to upload

images

Category 3

farmers

Admin can view the Instant recommended solution fertilizer through gmail

They can find the diseases at early stages

Take turns sharing your ideas while clustering similar or related notes as you go.

than six sticky notes, try and see if you and break it up into smaller sub-groups.

Category 1

no prior

knowledge

In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger

Smart solution to

utilization of available resources

changes in

agriculture

Cost of using application is

management

of problem

this application is less

Making

detection and management work of problem

Feasibility

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.

① 20 minutes

Share the mural
Share a view link to the mural with stakeholders to keep Better them in the loop about the outcomes of the session. Admin can utilization of view the Fertilizer Pre-trained R Export the mural recommended available Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive. model for fertilizer resources image classification through gmail Deep learning Interactive Keep moving forward user interface mathematical to upload model for images They can detecting find the diseases

diseases at

early stages



Importance

revolutionary changes in tasks could get done without any difficulty or cost, which would have the most positive

agriculture

field Cost of using Early

Instant

solution

It simplifies the farmers

Useful to

people with

no prior

knowledge

Share template feedback

After you collaborate

Quick add-ons

You can export the mural as an image or pdf to share with

members of your company who might find it helpful.

Strategy blueprint

Open the template ->

Open the template

Open the template

Define the components of a new idea or

Customer experience journey map

Inderstand customer needs, motivations, and

Strengths, weaknesses, opportunities & threats

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

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

















































