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

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

Open article

Key rules of brainstorming

focus of your brainstorm.

5 minutes

Stay in topic.

Defer judgment.

Go for volume. If possible, be visual.

Brainstorm Define your problem statement Write down any ideas that come to mind that address your problem statement. What problem are you trying to solve? Frame your

website

images

You can select a sticky note and hit the pencil [switch to sketch1 icon to start drawing

Garigapati yamini

Identify the

disease

mam power

Early

detection and

1. Identify the disease on plants using deep learning techniques 2. Provide website information for recommened fertilizer.

PROBLEM

problem as a How Might We statement. This will b the

Encourage wild ideas.

Listen to others

To run an smooth and productive session

Deep learning based mathematical model for detecting diseases Interactive user interface to upload productivity

Madala Supriya

the Costr

Binkena

Keerthana

management of problem resources Interactive user interface

best fertilize

solution to

solve the

problem

Better utilization of available

view the recommended fertilizer through gmail



Maheshwari.M

Useful to people solution

It will save

with no prior

Portal for

Group ideas

Category 1

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.

Category 2

Website for Fertilizer commendation	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 ser 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	Smart	Cost of using
find the	solution to	this
diseases at	solve the	application is
early stages	problem	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?

Better utilization of available resources

Deep learning mathematical model for detecting

diseases at early stages

Admin can

view the

recommended

fertilizer

through gmail

They can

find the

Making

diseases

revolutionary changes in agriculture field

Instant solution

Useful to people with no prior knowledge

Pre-trained

model for

image

classification

Interactive

user interface

to upload

images

Cost of using application is less

Early detection and management of problem

It simplifies the farmers work

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

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.

R 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