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.

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

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productive session.

10 minutes to prepare 1 hour to collaborate 2-5 people recommended

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

Lidentify 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.

Go for volume. If possible, be vis

Listen to others.

Brainstorm

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

the Costr

10 minutes

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

KRISHNAPRIYA S ANCY A Build keras image classification model Pre-trained revolutionary Identify the model for image classification changes in disease Cost of It simplifies solution to using this find the User friendly the farmers solve the application diseases at website mam power work problem is less early stages ABINAYA S SOWMIYA A Deep learning based mathematical model for detecting diseases Useful to Early detection and utilization of people with management of problem available no prior solution resources knowledge Interactive Interactive view the user interface It will save Portal for user interface recommended fertilizer through gmail to upload images to upload images productivity time farmers

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	Identify the disease	Cost of using this application is less	Pre-trained model for image classification	based mathematical model for detecting diseases	Build keras image classification model
Interactive user 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

If each of these

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

Better utilization of available resources

Instant

solution

Deep learning mathematical model for detecting diseases

They can find the diseases at early stages

Admin can

view the

recommended

fertilizer

through gmail

field

Making revolutionary changes in agriculture

Useful to people with no prior knowledge

Pre-trained

model for

image

classification

Website for

Fertilizer

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.

Ouick 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

Open the template

Customer experience journey map

Understand customer needs, motivations, and

Open the template

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

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Share template feedback