

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 fundal 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.

① 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 the brainstorming session.

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

Open article →

Stay in topic.

Define your problem statement What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the

→ 5 minutes

focus of your brainstorm.

1) In agricultural aspects, if the plant is affected by leaf disease, then it reduces the growth and productiveness. Generally, the plant diseases are caused by the abnormal physiological Functionalities of plants.

PROBLEM

2) People who Grow Crops and facing Issues of Plant Disease .

3) The Traditional methods of Fertilizer prediction and Disease analysis are Expensive and takes a lot of time .

Key rules of brainstormin To ru an smooth and productive session

Defer judgment.

Listen to others

Encourage wild ideas.

Shyamkumar M

Identify the

disease

man power

Early

detection and

management

Shyamkumar

William J

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

website

based mathematical model for detecting diseases

Interactive

user interface

to upload images

Brainstorm

solution to

solve the

problem

user interface

to upload

images

model for image classification

It simplifies

the farmers

work

Build keras image classification model

Sugumar T

They can using this find the diseases at application is less early stages

revolutionary

changes in

agriculture

field

You can select a sticky note

and hit the pencil [switch to

sketch] icon to start drawing!

Sudharsanam

time

Better utilization of available resources

It will save

Portal for

people with

no prior

knowledge

Group ideas

() 20 minutes

Website fo

Fertilizer

recommendation

Interactive

to upload

images

user interface

Instant solution

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

Identify the

Useful to

people with

no prior

knowledge

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

Cost of using

this

application is

less

farmers

They can Smart find the diseases at

utilization of recommended available fertilizer resources through gmail

model for

image

classification

Interactive

user interface

to upload

images

Category 3

view the

solution to

Cost of using application is

Better

Category 2

mathematical

model for

detecting

diseases

revolutionary

changes in

agriculture

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

Build keras

classification

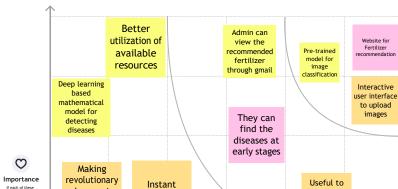
model

Early

detection and

management

of problem



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

changes in solution agriculture field Cost of using Early detection and application is management of problem

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.

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 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

























people with

no prior

knowledge

It simplifies

the farmers

work