Template

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 numberof diseases on plants and the degree of harm caused has increased due to the variation in pathogen varieties, changes in cultivation methods, and inadequateplant 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

- A **Team gathering**
  Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- B **Set the goal**
  Think about the problem you'll be focusing on solving in the brainstorming session.
- C **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 bfocus of your brainstorm.

5 minutes

PROBLE
M

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

Key rules of brainstorming
To run an smooth and productive session

- Stay in topic.
- Encourage wild i
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be vis

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

10 minutes

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

Mahantesh S

- Website for Fertilizer
- Identify the disease
- Determining best fertilizer
- User friendly website
- It reduces manpower
- Smart solution to solve the problem

Gowtham

- Pre-trained model for image classification
- Build keras image classification model
- Making revolutionary changes in agriculture field
- It simplifies the farmers work
- Cost of using this application is less
- They can find the diseases at early stages

Ningaraju S

- Deep learning based mathematical model for detecting diseases
- Early detection and management of problem
- Better utilization of available resources
- Interactive user interface to upload images
- Improves productivity
- Interactive user interface to upload images

Vaigairaj m

- Fertilizer Recommendation
- Instant solution
- Useful to people with no prior knowledge
- Admin can view the recommended fertilizer through gmail
- It will save time
- Portal for farmers

Navven S

- Useful to Farmers
- Recommends Fertilizers
- Utilizing ofi Resources
- Simple UI
- Reduces the Costr
- Improves profiit

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

20 minutes

Category 1

- Website for Fertilizer recommendation
- Identify the disease
- Cost of using this application is less
- Interactive user interfaceto upload images
- Useful to people with no prior knowledge
- Portal for farmers

Category 2

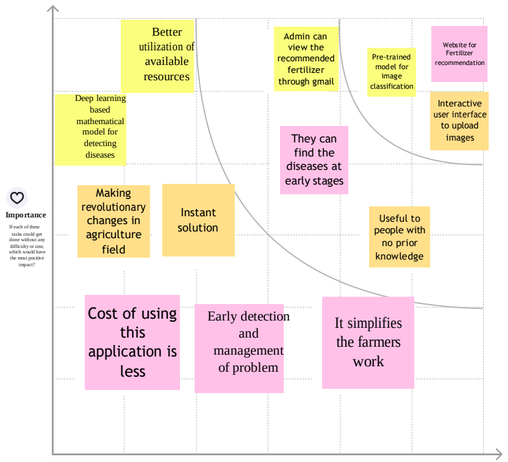
- Pre-trained model for image classification
- Deep learning based mathematical model for detecting diseases
- Build keras image classification model
- Interactive user interface to upload images
- Making revolutionary changes in agriculture field
- Early detection and management of problem

Category 3

- Instant solution
- Admin can view the recommended fertilizer through gmail
- Better utilization of available resources
- They can find the diseases at early stages
- Smart solution to solve the problem
- Cost of using this application is 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 andwhich are feasible.

20 minutes



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 keepthem in the loop about the outcomes of the session.
- B **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 orstrategy.
  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

Need some inspiration?
See a finished versionof this template to kickstart your work.
Open example