Brainstorm
& idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

10 minutes to prepare
1 hour to collaborate
2-8 people recommended

Share template feedback

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 your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

PROBLEM

How might we [your problem statement]?

Key rules of brainstorming

To run an smooth and productive session

Stay in topic.
Encourage wild ideas.
Defer judgment.
Listen to others.
Go for volume.
If possible, be visual.

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!

SUSMITHA

The soil fertilizer nutrient balance model can be used based on soil nutrient and yield goals.

The dissimilar subtraction method of soil fertility can be designed to decide the quantity of fertilizer to be used

The soil fertilizer effect function method can be used at home which is a statistical model about fertilization and crop yield.

'3414' fertilizer experiments can also be used.

NARMADHA

System for predicting crops according to soil details, predicting fertilizers according to soil and crop details, and detecting diseases in the plant. Recommendation systems are Deep Learning based algorithms that help farmers.

Software Requirements are VSCode, Spyder, Jupyter Notebook, HTML, CSS, JAVASCRIPT, Backend-Flask and Deep learning-Python.

USER INTERFACE:
1. Home: Home includes the necessary information about the system and it works.
2. Crop: The crop section consists of crop recommendation model, the crop recommendation model takes details from the user.

3. Fertilizer: This contains fertilizer prediction model working of this model is same as crop prediction model.
4. Diseases: the user has to upload the photograph of the crop then the model will predict the disease also it will provide the additional suggestion to take precautions and how to cure the disease

SANKARI

Data mining techniques and algorithms can be used for recommending crops and also the fertilizers

To provide farmers with actionable fertilizer advice based on the soil test results from the sensor.

To improve soil fertility performance by providing the nutrient recommendation of optimal conditions for crop

The system is capable of generating location-specific fertilizer recommendations for selected crops by analyzing the national soil database

SUBIKSHA

Detection and recognition of diseases using machine learning are very efficient in providing symptoms of identifying disease

Fertilizers replace the nutrients that crops remove from the soil. Without the addition of fertilizers , crop yields and agricultural productivity would be significantly reduced

To determine suitable crops and the fertilizers for the current state of soil

The proposed method is also a useful tool to improve soil fertility performance by providing the nutrient recommendation of optimal conditions for crop development

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, 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

An automated system is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant.

The system consists :
• The crop recommendation application
• The fertilizer recommendation application
• The plant disease prediction application

Deep learning techniques are used to identify the diseases and suggest the precautions that can be taken for those diseasses

A wireless sensor network (WSN) system for smart estimation of soil conditions and the nutrient of soil

Analog pH sensor kit is used for measuring the pH of soil moisture content

Moisture sensor which is attached to Remote system which can be used to calculate the water content

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?

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A wireless sensor network (WSN) system for smart estimation of soil conditions

An automated system is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant.

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.

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 or strategy.

Open the template

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.

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

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