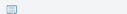




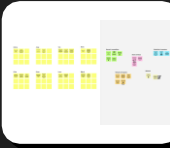
Brainstorm & idea prioritization

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



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



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 the brainstorming session.



Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

Open article

1

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 Statement

The estimation of crop yield at a small scale is crucial to food security and harvest management. Based on previous crop forecasts and soil quality analysis, machine learnings applied to achieve high yields throughout the technology solution. A major purpose of this project is to predict crop yield, which is extremely useful for farmers in planning for harvest and selling their grain harvests. Predict the optimal crop for our country's corresponding regions and crop seasons using a machine learning algorithm. This project aims to predict yields based on location and weather data. According to the climate and soil parameters, this study looks at which crops will yield high yields within the given area.



Key rules of brainstorming

To run a smooth and productive session

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

2

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 icon to start drawing!

Anusiya

- sorting the crop columns according to their categories
- minimum and maximum crop yield is calculated
- A reliable method for predicting crop yields
- Validating the dataset for duplicates
- Importing the required modules
- The Crop dataset will be analyzed
- contextualizing the environment
- Counts of categorical data
- Predicting of yield

Kumar

- Taking a look at the weather
- Insights into crop yields for satellites
- Modeling crop yields with regression analysis
- The condition of the soil and land can be determined by identifying the soil type
- Identifying and analyzing yield gaps at the local, regional, and global level
- A study of crop yield gaps
- Analyzing forecasts based on classification
- Agronomic implications of data analysis
- Utilization of pesticides

Santhosh kumar

- Prognosis of prices
- Fertilization with organic materials
- Make alternative predictions of crop yields
- Climatological impacts
- Assessing the impact of geospatial technology on crops
- Simulation of crop yields

Muthumani

- Analyzing and predicting water sustainability
- Collecting soil health data with drones
- A distributor's loss is estimated by estimating the destruction caused by it
- Moisture and nutrients in soil can be estimated
- Predicting crop yields using bio energy
- Impact of humidity

Anto Rosario

- Analyzing weather condition
- Analyzing soil condition
- Assessing the effect of fertilizers
- Organizing the crops according to their variety
- Determine suitable regression algorithm
- Predicting yield

3

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 can break it up into smaller sub-groups.

20 minutes

Proposed System

- An understanding of the problem
- Gathering Data
- Developing algorithms for evaluation
- Accurately finding Information

Architectural components

- Specifications of the crops
- Process data collection and analysis
- Preparations of the dataset for testing and training
- Algorithms classification based on the ML

Parameters in Dataset

- Unidentified
- District name
- Season
- Crop
- Rainfall and floor
- Average humidity
- Cost of cultivation
- Cost production

Crop model engine

- Soil Module
- Crop Module
- Climate Module
- Managemeny Module
- Satellite Module
- Historical climate condition

Advantages

- Predicting productivity
- Identifies crop disease
- Precaution tips for farmers

Limitations

- Errors in input data
- Errors in measurement data
- Sampling Error

4

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



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



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 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