


Ideation Phase Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID53297
Project Name	Fertilizers recommendation system for disease prediction
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Template




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

➔

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


1. Identify the disease on plants using Image Recognition techniques and to recommend the fertilizers for reducing the diseases.
2. Provide website information for recommended fertilizers.





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.

Step-2: Brainstorm, Idea Listing and Grouping

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 (switch to sketch) icon to start drawing.

Santhosh M

Customer Satisfaction	Product Success	Employee Retention
Price of Products	Market Share	Identify the Competitor
Demanding from the User	Admin Cost	Reduced Sales Growth

Navaneethakrishnan S

Simple and straightforward	Simple and straightforward	Simple and straightforward
Tailored for navigation	Well known	Personal and friendly experience
It simplifies the learning curve	Easy to learn and easy to apply	It is an easy-to-use and reliable method

Iswarya M

Control of infection	Notify Public Health in time	Immune predictably
Control of infection in household	Stop the pathogen before it gets into the house	Early diagnosis and treatment of infectious disease
Immune control of infection in household	I will never have it	Quick and easy to use and cheap

Sabarivasan E

- Easy navigation between pages
- Member request user
- Useful to provide with no prior knowledge
- Recommended reading for new users
- Using scenarios
- Describing

3.

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 can break it up into smaller sub-groups.

⌚ 20 minutes

Problem Solution

Admin

User Experience

Instant Solution	Image recognition	Cause of disease
Steps to cure	Sharing the fertilizer details via SMS	Identify the disease

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graph TD
    A[Monitor Frequent user] --> B[Admin Access]
    B --> C[Admin can add fertilizer vendors]

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graph TD
    A[Customer Satisfaction] --> D[Use of the system]
    B[Easy user interaction] --> D
    C[Easy navigation between pages] --> D
    E[Tutorial for navigation] --> D
    F[Info of evaluation] --> D
  
```

Additional Features

Basic Features

Additionally Crop Recommendation

fertilizer recommendation for new crops

Nearby Fertilizer stores in map

Displaying rainfall ratio for respective areas

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graph TD
    User((User)) -- "Getting the details(crop,soil) from user" --> Recommendation[Recommendation]
    Recommendation -- "Recommending nearby soil testing labs" --> User
  
```

Getting the details(crop,soil) from user

Recommending nearby soil testing labs

Multilingual

Multilingua

Step-3: Idea Prioritization

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

