V.S.B. ENGINEERING COLLEGE, KARUR

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IDEATION PHASE
Brainstorm & Idea Prioritization

Date	01 September 2022
Team ID	PNT2022TMID33290
Project Name	Fertilizers Recommendation Systemfor Disease Prediction
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

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.

Reference: https://www.mural.co/templates/empathy-map-canvas

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

Fertilizers Recommendation System For Disease Prediction

: Agriculture is the main aspect of country development. Many people lead their life from agriculture field, which gives fully related to agricultural products.

- 🕐 **10 minutes** to prepare
- ⏳ **1 hour** to collaborate
- 👤 **2-8 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   ➜

1 Define your problem statement

Agriculture is the most important sector in today's life. Most plants are affected by a wide variety of bacterial diseases. Diseases on plants placed a major constraint on the production and a major threat to food security.
🕐 5 minutes

PROBLEM
Is the over usage of fertilizer affects the humans life?

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.

Step-2: Brainstorm, Idea Listing and Grouping

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 (pen) to sketch icon to start drawing!

ANUPRIYA A
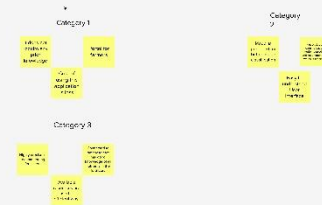
BINDU S

DEVI PRABHA M

DHAARANI S

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

TIP
Add comfortable tags to sticky notes to make it easier to see, discover, organize, and categorize important ideas as themes within your board.

Category 1

Category 2

Category 3

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

Importance

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

- Available resources are used in efficient way
- It uses deep learning based model to predict and recommend which is efficient
- Model is pretained for better image classification
- Highly precise in recommending fertilizers
- Easy to understand user interface
- It does not require any prior knowledge
- Cost of using this application is less

TIP 💡

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.