


**V.S.B. ENGINEERING COLLEGE, KARUR**  
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**IDEATION PHASE**  
**Brainstorm & Idea Prioritization**

Date	19 September 2022
Team ID	PNT2022TMID33287
Project Name	Fertilizers Recommendation system for Disease Prediction
Maximum Marks	4 Marks

### Brainstorm & Idea Prioritization

Conceptualizing gives a free and open climate that supports everybody inside a group to partake in the imaginative reasoning cycle that prompts critical thinking. Focusing on volume over esteem, out-of-the-case thoughts are gladly received and based upon, and all members are urged to team up, helping each other foster a rich measure of clever fixes

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



## Fertilizers recommendation for disease prediction

Agriculture is the main aspect of country development. Many people lead their life from the agriculture field, which is fully related to agricultural products. Plant disease, especially on leaves, is one of the major factors of reductions in both quality and quantity of the food crops. In agricultural aspects, if the plant is affected by leaf disease then it reduces the growth of the agricultural level. Finding the leaf disease is an important role of agriculture preservation. After preprocessing using a median filter, segmentation is done by Guided Active Contour method and finally, the leaf disease is identified by using Support Vector Machine. The disease-based similarity measure is used for fertilizer recommendation.

**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

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**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.

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**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

Can't find the disease on plants by using only the old practices, don't have much knowledge about the new variant of the crop diseases, poor quality and low quantity of the crop, don't know the correct proportion of fertilizers for the particular disease

### Key rules of brainstorming

To run a smooth and productive session

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

## Step-2: Brainstorm, Idea Listing and Grouping

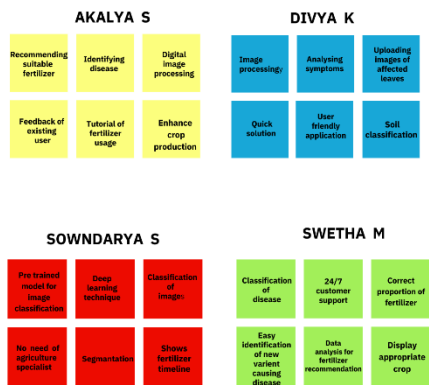
Brainstorm

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 icon (switch to sketch) icon to start drawing.



### Step-3: Idea Prioritization



#### 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

