


## Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID51521
Project Name	Fertilizers recommendation system for disease prediction
Maximum Marks	4 Marks

### Brainstorm & Idea Prioritization Template:




#### 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

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### 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 in pre-meet 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 Facilitator on Superpowers to run a happy and smooth ideation 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**

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 an smooth and productive session

-  Stay in topic.
-  Encourage wild ideas.
-  Defer judgement.
-  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

#### JAI BHAVANI P

Identify the diseases	Instant solution	Info of website
It reduces man power	Determining best fertilizer	Admin can add fertilizer vendors
Easy user interaction	Customer satisfaction	Instant fertilizer price updation

#### JENISHA JB

Providing the retail crop soil	Image recognition	Admin Access
Tutorial for navigation	Multi lingual	Pre-trained model for image classification
It simplifies the farmers work	They can find the diseases at every stages	Build keras image classification model

#### GREESHMA S

Cause of disease	Nearby fertilizer stores in map	Improve productivity
Automatically add crop in work area	Sharing the fertilizer details via SMS	Only select in and management of problem
Interactive user interface on android	It will save time	Useful to people with no price knowledge

#### RENISHA R

Steps to cure	Easy navigation between pages	Monitor frequent
Fertilizer recommendation for new crop	Useful to people with no prior knowledge	Recommendation for soil testing kit
Gives profit more than investment	Using sensor is alerting about rain	Displaying rainfall rate for respective areas

### 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 end break it up into smaller sub groups.

20 minutes

#### problem solution

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

#### Admin

Monitor frequent user	Admin access
Admin can add fertilizer vendors	

#### User Experience

Customer satisfaction	Easy user interaction	Easy navigation between pages
Tutorial for navigation	info on website	

#### Additional Features

Add online crop monitor and alert	More and more the add on for new crops
Nearby fertilizer stores in map	Displaying rainfall history for respective areas

#### Basic Features

Recommendation for crop soil testing kit	Getting the details of crop soil from soil
Multi lingual	

## Step-3: Idea Prioritization

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### 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

