

## Ideation Phase

### Brainstorm & Idea Prioritization

Date	18 October 2023
Team ID	PNT2022TMID592713
Project Name	Safeguarding Agriculture: AI-Enabled Prognostication of Farm Insect Threat
Maximum Marks	4 Marks


### Brainstorm & Idea Prioritization:

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.

### LINK:




<https://app.mural.co/t/team0070622/m/team0070622/1697639989510/c73f59a603bbe0811c2f10be1be3e03ef711f12f?sender=ueddb64e29f13274754b2813>


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



## 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




### 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](#) →




### 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


How might we utilize convolutional neural networks (CNN) and existing insect image datasets to create an AI-driven early detection and prevention system for agricultural insect threats? This would safeguard food production, mitigate extensive crop damage, and protect the livelihoods of farmers who face substantial economic losses due to insect infestations.





### 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!

#### Person 1



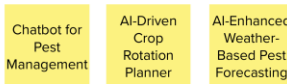
#### Person 2



#### Person 3



#### Person 4



3

### Group ideas

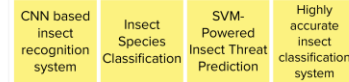
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

#### TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

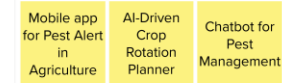
#### ML PREDICTIONS



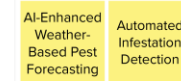
#### WEB - APP



#### MOBILE APP



#### OTHER IDEAS



## 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

#### 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.

