

**Ideation Phase**  
**Brainstorm & Idea Prioritization Template**

Date	19 September 2022
Team ID	PNT2022TMID15871
Project Name	Estimate the Crop Yield using Data Analytics
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.

**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

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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 or pre-work ahead.

9

### 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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## 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

How do we predict accuracy of crop yield prediction

### PROBLEM

### How to predict the seed quality

### PROBLEM

How to collect data from  
past data set

### PROBLEM

What are the forecasting methodologies developed

### PROBLEM

What are the terms included in weather condition

### PROBLEM

### How to perform the process of crop modelling

### PROBLEM

How might we calculate precision

### PROBLEM

### How to categorize crop column

### PROBLEM

In what terms the yield is measured

### PROBLEM

### How to deal with duplicate values in the crop dataset

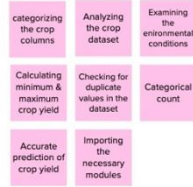
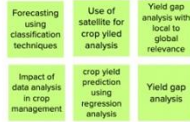
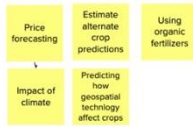
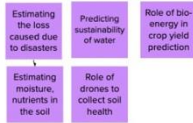
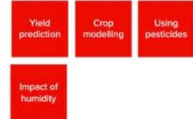


2

**Brainstorm**

Write down any ideas that come to mind that address your problem statement.

10 minutes

**V. Khyathi****V. Greeshmitha****T.Prasanna****P. Lahari****T.Vyshnavi**

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

**Proposed System****Architural components****Parameters in the dataset****Advantages****Crop model engine****Limitations****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 are important and which are feasible.

🕒 20 minutes



→

### After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

#### Quick add-ons

- A Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- B Export the mural**  
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

#### Keep moving forward

- Strategy blueprint**  
Define the components of a new idea or strategy.  
[Open the template →](#)
- Customer experience journey map**  
Understand customer needs, motivations, and obstacles for an experience.  
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**  
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.  
[Open the template →](#)

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