

# Ideation Phase


## Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID30918
Project Name	Smart Farmer - IoT Enabled Smart Farming Application
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

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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

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PROBLEM


**Smart Farmer - IoT Enabled Smart Farming Application**


Farmers want to analyse the plot growth every time, but they can't do it. It's their agriculture and the objective of this project is to offer assistance to farmers in getting IoT Data (Humidity, Temp, Soil Moisture, Soil Temperature) for efficient crop and weathering process and ensure them to increase their crop and quality of products.





**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 (or click to switch tool to start drawing)

Sapna Priya J	Sheela S	Soundammal G	Pavithra P
1. To monitor agriculture lands we are going to develop smart agriculture monitoring system	2. This system helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors.	3. it also alerts the farmer when plants needs watering by using mobile application.	4. Farmer can turn on the pump and analysing plants condition by using mobile application

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 color-coded tags to sticky notes to make it easier to filter, browse, organize, and categorize the information based on themes relevant to your needs.

- To monitor agriculture lands we are going to develop smart agriculture monitoring system
- This system helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors.
- it also alerts the farmer when plants needs watering by using mobile application.
- Farmer can turn on the pump and analysing plants condition by using mobile application

## 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

