


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	03 NOVEMBER 2022
Team ID	PNT2022TMID47645
Project Name	Smart Farmer – IOT Enabled Smart Farming Application
Maximum Marks	4 Marks

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

Template



Brainstorm & idea prioritization

For Smart Farming - IoT enabled Smart Farming Application

⌚ 10 minutes to prepare
👥 1 hour to collaborate
👤 2-8 people recommended

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1

Problem statement for smart farmer

⌚ 5 minutes

PROBLEM

There is a pressure on farmers to increase food production while consuming less water and energy, a remote control & surveillance. Farmers will benefit from a system that effectively handle these pressures.

2

To run an smooth and productive session

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

Step-2: Brainstorm, Idea Listing and Grouping

2 Brainstorm

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

🕒 10 minutes

Vyshnavi

The impact of internet on the education system is not just a digital divide, it's a digital chasm. The gap between those who have access to the internet and those who don't is widening. This is a problem that needs to be addressed. We need to find ways to bridge this gap. We need to find ways to make sure that everyone has access to the internet. We need to find ways to make sure that everyone has access to the internet.

Nuhiya

One of the challenges in the field of agriculture is the lack of data. Without data, it's hard to make decisions. We need to find ways to collect data. We need to find ways to make sure that everyone has access to the internet. We need to find ways to make sure that everyone has access to the internet.

Charani Sri

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Nandhika

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Lavanya

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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

One of the difficult tasks in farming is watering the plants, which requires them to wait until the entire field has been rained on. He once had to spend 30 minutes checking the field.

Using a temperature sensor, moisture sensor, water level sensor, DC motor, and GPS module made farming easier. The IOT-based farm monitoring system starts by analysing the moisture, humidity, and water levels.

Smart farming is a management idea that aims to give the agricultural sector the infrastructure to use cutting-edge technology, such as big data, the cloud, and the internet of things (IoT), for tracking, monitoring, automating, and analysing processes.

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