

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	03/11/2022
Team ID	PNT2022TMID27262
Project Name	IOT Enabled Smart Farming Application

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 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.

[Open article](#) →

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

Farmers need to deal with many problems like cope with climate change, soil erosion and Bio diversity loss

**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.



Need some inspiration?

See a finished version of this template for inspiration on your work.

[Open example](#) →

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!

Priyan A

Coir beds retain more water at times of drought

Collect climate data

Setting up irrigation system

Use manures and natural methods

Select proper instruments and sensors

Balaji R

Use seeds from Agriculture Centers

Set proper lighting systems for more production

Establish a reliable source for water

Reform agriculture land for cultivation accordingly

Create drains to withstand times of cyclone

Pozhilan S

Follow crop rotation method to retain soil quality

Use low power pesticides to keep the crop's organic nature

Use experts recommended less power weedicides

Protect the smart instruments and sensors from external damage by animals

Ready the land before crop cultivation

Mathan Kumar S

Set fence to protect resources from harm

Check crops frequency for diseases attack

Plough the land properly before cultivation

Use clean non-polluted water to maintain soil quality

Smart greenhouse establishment



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

Soil

Follow crop rotation method to retain soil quality

Reform agriculture land for cultivation accordingly

Use clean non-polluted water to maintain soil quality

Water Irrigation

Coir beds retain more water at times of drought

Establish a reliable source for water

Setting up irrigation system

Create drains to withstand times of cyclone

Organic Nature

Use manures and natural methods

Use low power pesticides to keep the crop's organic nature

Use experts recommended less power weedcides

Safety measures

Collect climate data

Protect the smart instruments and sensors from external damage by animals

Set fence to protect resources from harm

Check crops frequency for diseases attack

Good Yield

Plough the land properly before cultivation

Smart greenhouse establishment

Set proper lighting systems for more production



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

