

IDEATION PHASE

Date:10.11.2022

Team Id:PNT2022TMID36755

Project Title: Brainstorm

Project Name:IOT based smart crop protection system for agriculture


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

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

➔

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

How might we secure or protect the farm from the theft in the farm or birds or wild animals attack?

Key rules of brainstorming

To run an 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

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!

SRIMATHI U

She can use mobile app to detect whether the water is clean or not. If it is not clean, she can use the app to find the nearest water purifier.		

BHARATHI J

Smoker cannot use the app to detect the water quality. She can use the app to find the nearest water purifier.		


KAVERI V

Notification can be sent to the user in case any of the water is not clean.		

JAICINTH

Based on the location, the app can show the nearest water purifier.		

All members

Person 6

Person 7

Person 8

Step-3: Idea Prioritization

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

motion sensor can be used
to detect wild animals
approaching near the field
and smoke sensor can be
used to detect the fire.

In such a case the sensor can signal the
microcontroller to take action. The
microcontroller now sounds an alarm to
woo the animals away from the field as
well as sends SMS to the farmer and
makes call, so that farmer may know about
the issue and come to the spot in case the
animals don't turn away by the alarm

If there is a smoke, it can
immediately turn ON the
motor. This can ensure
complete safety of crops from
animals and from fire thus
protecting the farmer's loss.

TIP

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

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

