

Ideation Phase

Brainstorm&Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID34531
Project Name	IOT based smart crop protection for agriculture
Maximum Marks	4 Marks

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

[Share template feedback](#)

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

- Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.
- 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

How might we [your problem statement]?

Key rules of brainstorming

To run an smooth and productive session

- Stay in topic.
- Defier judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

2 Brainstorm

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

10 minutes

ADALIN V

farmers should be provided with working skills

cloud storage should maintain efficient

alarm should be on even for small birds

use iot to collect data

the operations should not be complex

effective accuracy and adaptive

improved livestock farming

artificial working structure

local data acquisition

interference should be prohibited

interfaces should be easy to understand

program should be adaptable to upcoming generation

set up in water supply can improve productivity

cost must be affordable

battery backup should be effective

reduce environmental footprints

use GSM to support farmer

power can be provided by solar system

avoid insect damage of crops

provide visual support

realtime crop monitoring

farming waste should be reused

avoid network interference

accurate information

improved livestock farming

avoid host interference

improved design friendly

Need some inspiration?

Check out the content of the previous session to inspire your ideas.

[Open example](#)

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

conduct regular quality checking

conduct regular quantitative assessment

use weather report to avoid water stagnant and drought

improve yield and effectiveness

remote monitoring

improved livestock

no cyber attacks

user friendly interface

automatic recoverable mechanism

4 Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on the grid to determine which ideas are important and which are feasible.

20 minutes

5 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

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

Keep moving forward

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

[Share template feedback](#)