


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID17581
Project Name	SmartFarmer- IoT Enabled Smart Farming Application
Maximum Marks	4 Marks




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 are under the pressure of increasing production of their food while using less water and fertilizer in the process. A monitoring and control system will help farmers to deal with these problems.





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.

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2

Brainstorm

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

 10 minutes

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

[illegible]

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.

```

graph TD
    A[A hypothesis  
(Null hypothesis)  
is made] --> B[A decision criterion  
is chosen]
    B --> C[Data are collected  
and the test statistic  
is calculated]
    C --> D[The test statistic  
is compared to the  
decision criterion]
    D --> E[A decision is made  
to reject or not reject  
the null hypothesis]
    E --> F[The decision is  
interpreted in the  
context of the problem]
  
```

1. A hypothesis (Null hypothesis) is made

2. A decision criterion is chosen

3. Data are collected and the test statistic is calculated

4. The test statistic is compared to the decision criterion

5. A decision is made to reject or not reject the null hypothesis

6. The decision is interpreted in the context of the problem

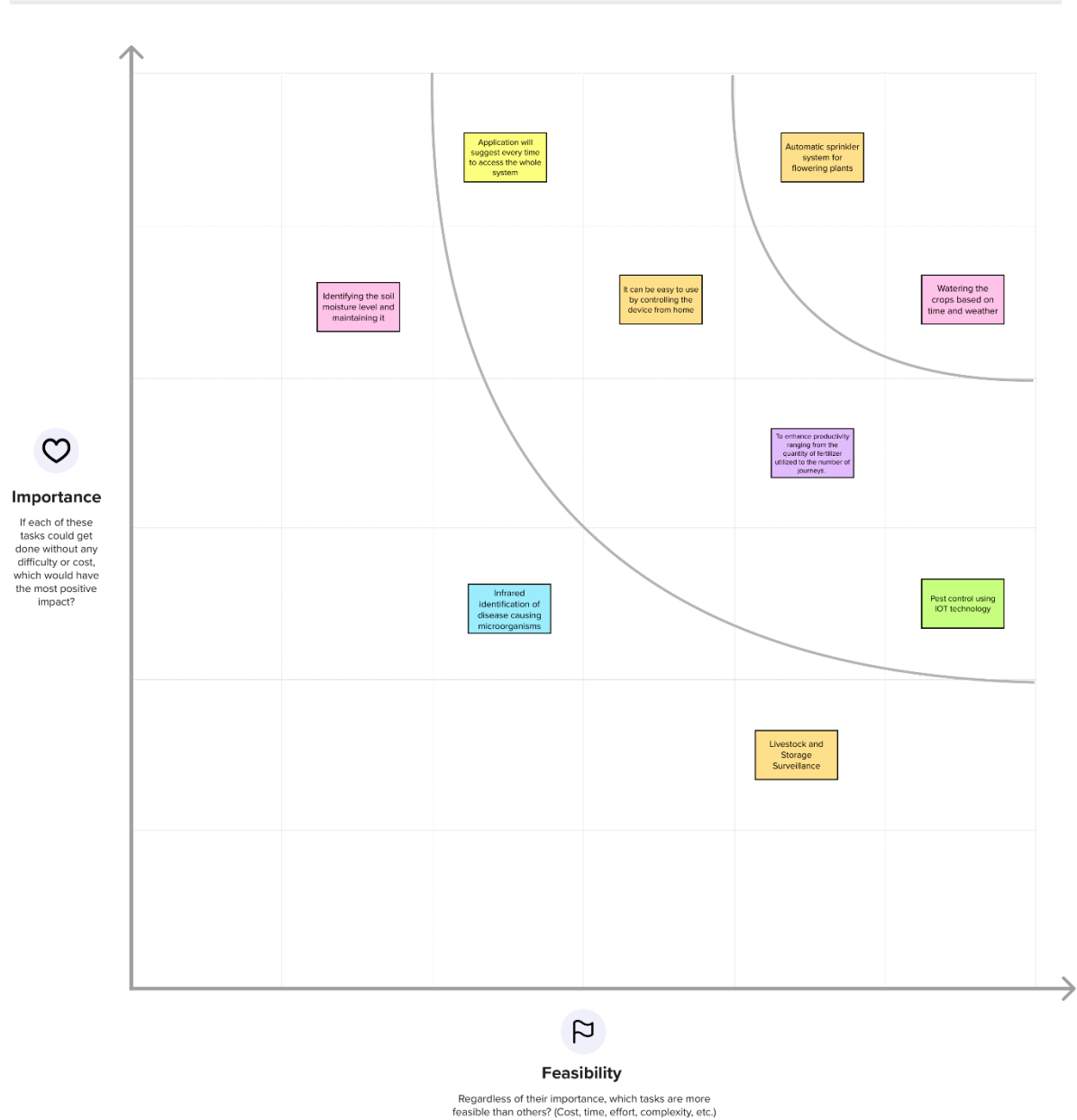
Step-3: Idea Prioritiz

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



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