

Ideation phase

Brainstorm and idea Prioritization Template

Date	16-10-22
Team ID	PNT2022TMID14185
Project Name	Smart Farmer-IOT Enabled Smart Farming Application
Maximum marks	4 Marks


Brainstorm and Idea prioritization Template:

Reference:

<https://app.mural.co/t/ashikar6064/m/ashikar6064/1664728229819/e79ac7e870edc9e4d0862f01767ec312f9c2d1c6?sender=u854e4a823eb1c764ca726390>

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

**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


PROBLEM


If too much water is supplied or if there is under watering or deficiency of water, it will affect the crops severely so the farmer needs a mobile application to monitor the water level





Key rules of brainstorming


To run a smooth and productive session


 Stay in topic.

 Defer judgment.

 Go for volume.

 Encourage wild ideas.

 Listen to others.

 If possible, be visual.

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!

R.Swedha

challenges faced by the farmer

Analyzing the different parameters

Access the resources

S.L.Nivetha

maximize the crops production

Build a water level Detection Model

Analyze the different educational application

B.Sneha

Real time water level checks using sensors

Install sensors in different levels of water at different user

Predictive Maintenance

M.Raveena

Cost effective

Remote Monitoring of water Levels

Real time tracking of the location

S.Yogalakshmi

Detecting the obstacles

Development towards sustainability

Improving accuracy in determining the water level

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

Real time
water can
checks using
sensors

Remote
Monitoring
of water
levels

TIP

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

Real time
tracking of
the
location

In this system
Farmers are
able to solve
irrigation
Problems

Build a
water
detection
Model



Step-3: Idea Prioritization:

