

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	11 November 2022
Team ID	PNT2020TMID13187
Project Name	SmartFarmer - IoT Enabled Smart Farming Application
Maximum Marks	4 Marks


#### 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



## Conducting a brainstorm

Executing a brainstorm isn't unique; holding a productive brainstorm is. Great brainstorms are ones that set the stage for fresh and generative thinking through simple guidelines and an open and collaborative environment. Use this when you're just kicking-off a new project and want to hit the ground running with big ideas that will move your team forward.

- 🕒 15 minutes to prepare
- 🕒 30-60 minutes to collaborate
- 👤 3-8 people recommended

Meta

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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.

🕒 15 minutes

A

**Choose your best "How Might We" Questions**

Create 5 HMW statements before the activity to propose them to the team.

B

**Set the stage for creativity and inclusivity**

Go over the brainstorming rules and keep them in front of your team while brainstorming to encourage collaboration, optimism, and creativity.

1. **Encourage wild ideas** (If none of the ideas sound a bit ridiculous, then you are filtering yourself too much.)
2. **Defer judgement** (This can be as direct as harsh words or as subtle as a condescending tone or talking over one another.)
3. **Build on the ideas of others** ("I want to build on that idea!" or the use of "yes, and...")
4. **Stay focused on the topic at hand**
5. **Have one conversation at a time**
6. **Be visual** (Draw and/or upload to show ideas, whenever possible.)
7. **Go for quantity**

C

**Interested in learning more?**

Check out the Meta Think Kit website for additional tools and resources to help your team collaborate, innovate and move ideas forward with confidence.

[Open the website](#) ➔

1

**Choose your best "How Might We" Questions**

Share the top 5 brainstorm questions that you created and let the group determine where to begin by selecting one question to move forward with based on what seems to be the most promising for idea generation in the areas you are trying to impact.

🕒 10 minutes

QUESTION

How might we... [Monitor the soil's information on my mobile?]

QUESTION

How might we... [control the motor in my mobile?]

## Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm solo

Have each participant begin in the "solo brainstorm space" by silently brainstorming ideas and placing them into the template. This "silent-storming" avoids group-think and creates an inclusive environment for introverts and extroverts alike. Set a time limit. Encourage people to go for quantity.

10 minutes

Person 1

Water  
Waterless  
waterless  
waterless

Waterless  
waterless  
waterless  
waterless

Person 2

Waterless  
waterless  
waterless  
waterless

Waterless  
waterless  
waterless  
waterless

Person 3

Waterless  
waterless  
waterless  
waterless

Waterless  
waterless  
waterless  
waterless

Person 4

Waterless  
waterless  
waterless  
waterless

Waterless  
waterless  
waterless  
waterless

3

Brainstorm as a group

Have everyone move their ideas into the "group sharing space" within the template and have the team silently read through them. As a team, sort and group them by thematic topics or similarities. Discuss and answer any questions that arise. Encourage "Yes, and..." and build on the ideas of other people along the way.

15 minutes

Tip

You can use the **Waterless** tool alone to focus on the changed ideas.

smart  
irrigation  
system

irrigation  
system  
based on  
weather

various  
method of  
top  
irrigation

fertilizer  
control  
based on  
soil test

smart  
irrigation  
system

fertilizer  
control  
based on  
soil test

Step-3: Idea Prioritization

4

### Decide your focus

Give each person two icons to vote which idea should your team focus on.

🕒 5 minutes

Person 1



Person 2



Person 3



Person 4



smart  
irrigation  
system



### After you collaborate

A brainstorm like this typically results in a handful of promising ideas that you can carry forward and act upon.

#### Quick add-ons

A

##### Cluster related ideas

Look for patterns or similarities in the standout ideas. Could any be combined together to form a stronger concept? Cluster similar ideas and label each cluster with a theme.

B

##### Vote on the most promising ideas

Narrow your focus to only the strongest few ideas by holding a **Voting Session**. Give each person 2 votes

#### Keep moving forward



##### 2x2 Prioritization matrix

Build shared understanding and make collective decisions for moving ideas forward.

[Open the template →](#)



##### Storyboarding

Show existing and/or future consumer experiences through the act of sketching.

[Open the template →](#)



##### Pre-mortem

Harness the collective experience and wisdom of the team, before the project even starts.

[Open the template →](#)

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