BRAIN STORIMING

Team id	PMT2022TMID16002
Project name	Fertilizer recommendation for disease prediction
Date	October 11
Maximum marks	4 marks

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

Created in partnership with

Meta Meta

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... [insert problem statement here]?

QUESTION

How might we... [insert problem statement here]?

QUESTION

How might we... [insert problem statement here]?

QUESTION

How might we... [insert problem statement here]?

QUESTION

How might we... [insert problem statement here]?

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

GuruPrasad	Hariprasath	Giriharan	Haresh
Clear idea about disease prediction	Using optimized code to avoid complexity	The preprocessing of images must be appropriate even for unclear images	Data collected from the farmers by our application must maintain a particular database for that account
Machine learning models for processing the images	The prediction made by the AI model should meet the required criteria	The application developed should not only help the farmers but also the students persuing agriculture degree	Flash,tenserflow, keras,numpy all the other libraries must be installed using pip command
CNN,deep learning must be the important concepts	User friendly application	Ferilizer recommended must be according to the nutrents data collected from the plants	Fertilzer recommended not only make them nutrient rich but also more resistant towards the upcoming disease

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 **Voting session** tool above to focus on the strongest ideas.

Farmers should not suffer by losing profit because of damaged crops

UI/UX developed must fit all type of environments

Application developed must be easily accessible by the farmers

Processing involves the removal of unwanted data

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 →

Share template feedback