

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID13569
Project Name	Estimate the crop yield using data analytics
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.




Reference: <https://www.mural.co/templates/empathy-map-canvas>


Step-1: Team Gathering, Collaboration and Select the Problem Statement



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.

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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

Crop yield prediction is one of the important factors in agriculture practices. Farmers need information regarding crop yield before sowing seeds in their fields to achieve enhanced crop yield. The use of technology in agriculture has increased in recent years and data analytics is one such trend that has penetrated into the agriculture field being used for management of crop yield and monitoring crop health.

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!

Person 1

usage of manure	climate change	problems with extreme weather reasons
collecting the seed's price	estimation of crop's price	quantity of manure to be used
using the solar energy	due to heavy rainfall crops may damage	over use of fertilizers and manures

Person 2

Industrial pollution	quality of seeds	how to recycle the waste
predicting the quality of soils	using the wind energy	farmer's budget
poor storage facilities	predicting the weather conditions	managing profit or loss criteria

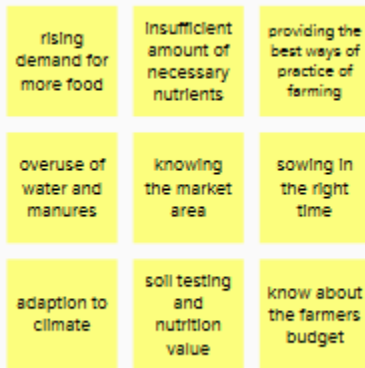
Person 3

quantity of fertilizers used	to remove the weeds on the field	decrease of soil fertility
providing knowledge about harvesting	heat and drought	Irrigation
protecting the environment	crop may get damage	knowing how much nutrients does the crop has

Person 4

buying relevant tools	quantity of water to be supplied	biodiversity affects
predicting the natural calamities	fertilizers quality	deterioration of soil
giving the health conditions to cattles and animals	using more chemical fertilizers	manage the climate changes

person 5

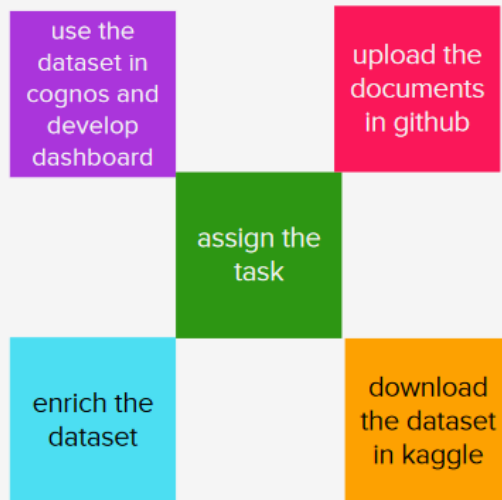


3

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



TIP



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

Step-3: Idea Prioritization

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

