

Date	19 September 2022
Team ID	PNT2022TMID18285
Project Name	Efficient Water Quality Analysis & Prediction using Machine Learning
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

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](#)

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

How might we [your problem statement]?

We want to create a hardware that is portable for testing water quality.

warranty for long time

By adopting this method, we can make use of water without wasting excess water

Key rules of brainstorming

To run an smooth and productive session

Stay in topic.

Encourage wild ideas.

Defer judgment.

Listen to others.

Go for volume.

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 icon to start editing.

Vednya

1. I will use a...
2. I will use a...
3. I will use a...
4. I will use a...
5. I will use a...

6. I will use a...
7. I will use a...
8. I will use a...
9. I will use a...
10. I will use a...

Vednya

1. I will use a...
2. I will use a...
3. I will use a...
4. I will use a...
5. I will use a...

6. I will use a...
7. I will use a...
8. I will use a...
9. I will use a...
10. I will use a...

Alfina Graceline

1. I will use a...
2. I will use a...
3. I will use a...
4. I will use a...
5. I will use a...

6. I will use a...
7. I will use a...
8. I will use a...
9. I will use a...
10. I will use a...

Alfina Graceline

1. I will use a...
2. I will use a...
3. I will use a...
4. I will use a...
5. I will use a...

6. I will use a...
7. I will use a...
8. I will use a...
9. I will use a...
10. I will use a...

Sowparnika

1. I will use a...
2. I will use a...
3. I will use a...
4. I will use a...
5. I will use a...

6. I will use a...
7. I will use a...
8. I will use a...
9. I will use a...
10. I will use a...

Sowparnika

1. I will use a...
2. I will use a...
3. I will use a...
4. I will use a...
5. I will use a...

6. I will use a...
7. I will use a...
8. I will use a...
9. I will use a...
10. I will use a...

Jaisha

1. I will use a...
2. I will use a...
3. I will use a...
4. I will use a...
5. I will use a...

6. I will use a...
7. I will use a...
8. I will use a...
9. I will use a...
10. I will use a...

Jaisha

1. I will use a...
2. I will use a...
3. I will use a...
4. I will use a...
5. I will use a...

6. I will use a...
7. I will use a...
8. I will use a...
9. I will use a...
10. I will use a...

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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

And customize tags to sticky notes to make it easier to find, discuss, organize, and integrate brainstorm ideas as needed with your team.

The diagram illustrates the grouping of brainstormed ideas. It features several clusters of sticky notes, each representing a group of related ideas. The clusters are labeled with names: Vednya, Alfina Graceline, Sowparnika, Jaisha, and others. Each cluster contains multiple sticky notes with handwritten text, representing brainstormed ideas. The notes are organized into a grid-like structure, with some notes grouped together and others separate. The clusters are arranged in a way that shows the progression of ideas and the grouping process.

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

