


## IDEATION PHASE

### BRAINSTORM & IDEA PRIORITIZATION

Date	15 September 2022
Team ID	PNT2022TMID16124
Project Name	Efficient Water Quality Analysis and Prediction using Machine Learning
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:

#### 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

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**A Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

**B Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.

**C Learn how to use the facilitation tools**  
Use the Facilitation Superpowers to run a happy and productive session.

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#### 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

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PROBLEM

How might we [your problem statement]?



#### 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

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### 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!

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

Ajay G

The best algorithm is suggested

To improve the accuracy

User-friendly

Jana R M

Water Quality Analysis

Pre-processing the data

Detect the quality of water

Person 4

Provide a useful algorithm for analyzing the quality of water

The condition is simple to recognize for professionals

#### TIP

Add customisable tags to sticky notes to make it easier to find, browse, organise, and categorise important ideas as themes within your mind.

Gopi R

Reduce the error

Efficient way to identify the impurity

Reduce the unwanted error occurred

Kavin N

Reduce the noisy of data

Achieve the high accuracy

More patients result can be processed in a short span of time

Avoid the unnecessary money loss

## 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

