

Ideation Phase


Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID10672
Project Name	Project - Efficient Water Quality Analysis & Prediction using Machine Learning
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:




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

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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.

 10 minutes

A

Team gathering

The team members are participating in the session and asked to gather about the need of the water quality analysis

B

Set the goal

The goal for the session is to find the quality of the water in a efficient way

C

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

How might we able to calculate the quality of water?

PROBLEM

How might we able to save the quality of water we are storing

PROBLEM

How might we predict the quality efficiently?

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!

Mohammed Mujahid M

To analyse the Salt level

To check the absence of radio active elements

To check corrosion in water supply system

To measure Water PH Level

To identify micro oraganisms

Karthikeyan K

Aesthetically not acceptable

To check the absence of organic substances

To detect Adverse effect on domestic use

To ensure chemically safe or not

To determine hardness of the water

Kishor M

To check conductivity

To measure the concentration

To check on pollution

To ensure toxic or carcinogenic effect

To assess quality of water

Rajesh V

Treatment process of waste water

Encrustation in water supply structure

To check the nutrients

Determination of biological changes

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 and break it up into smaller sub-groups.

🕒 20 minutes

To analyse the Salt level

To ensure chemically safe or not

To assess quality of water

To check the absence of radio active elements

To detect Adverse effect on domestic use

To check the nutrients

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

