

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	13 October 2022
Project Name	Real Time River Water Monitoring And Control System
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

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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

**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](#)

**MEMBERS OF IDEATION PROCESS:**

**TEAM LEADER:** ARUL RAJAN K

**TEAM MEMBER:** ARUN KUMAR R  
ANAND ABISHKEK RAJA R  
LIAS BASOOL M

**DISCUSSION TOPIC:**  
Ideas for monitoring and solving the contaminated river water near agriculture fields.

**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


How might we [your problem statement]?

**PROBLEM STATEMENT**


Farmers put fertilizers and pesticides on their crops so that they grow better but these fertilizers and pesticides can be washed through the soil by rain to end up in the river.



If the large amount of fertilizers or the farm waste drain into river the concentration of nitrate and phosphate in the water increases. Considerably algae uses these substances to grow and multiply rapidly turning the water green.



The invasive growth of algae called Eutrophication that leads to pollution when the algae die they sink down by the action of bacteria which quickly multiply taking up all the oxygen in the water which leads to the death of many animals.



## Step-2: Brainstorm, Idea Listing and Grouping

2

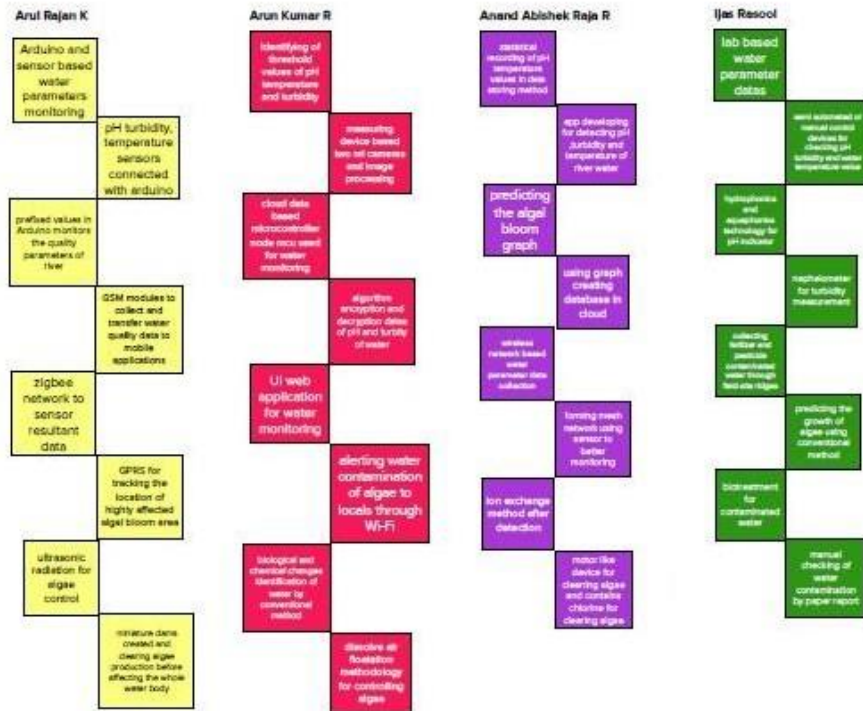
### Brainstorm

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!



### 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

