

## **Ideation Phase**

### **Brainstorm & Idea Prioritization Template**

Date	19 September 2022
Team ID	PNT2022TMID26697
Project Name	Real time river water quality 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.

In Brainstorm and idea prioritization template the problem statement ,ideas of team members, idea making and grouping have to be displayed. The requirements and qualities of the river water also be displayed. The ideas of the team members should be categorized into high priority and low priority. The high priority ideas are placed at the top of the graph.

#### **STEPS**

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


Step-2: Brainstorm, Idea Listing and Grouping

Step-3: Idea Prioritization

1: Team Gathering, Collaboration and Select the Problem Statement

## Step


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.

🕒 30 minutes to prepare  
👥 1 hour to collaborate  
👤 3-8 people recommended



[Share template feedback](#)

#### 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.

🕒 30 minutes

Team gathering

Deliver water directly to participants in the session and send all tools. Leave relevant information or pre-work ahead.


Set the goal

Think about the problem you'll be focusing on during the brainstorming session.

Learn how to use the facilitator tools

Use the Facilitator Supplement to run a happy and productive session.

[Team 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 STATEMENT

River water is a finite resource that is necessary for agriculture, industry and the survival of all living things on the planet, including humans. Sometimes the dangerous particles or chemicals are mixed in the river water and general purpose water purifier cannot purify that. And it's impossible to check the quality of river water manually in every time. And we can check the quality of water anytime and from anywhere.



## 2: Brainstorm, Idea Listing and Grouping

## Step

### 3 Brainstorm

Write down any ideas that come to mind that address your problem statement.

30 minutes

**BRUNTHIKA S**  

Quality of Water

Wastewater Treatment

Human Health

Restoration of Ecosystem


**GOMATHI R**  

Need for Data collection

Research community

Avoid drought

Resilience



**JAYALAKSHMI S**  

Support the government

Transparency

Good management

Fishing

**MUNISHA R**  

Disruption in ecosystem

WSP (Watershed Sustainability Plan)

Improve water resources

Need to build water bodies

### 4 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.

30 minutes

**REQUIREMENTS**  

Area for River flow

Need of water


Wildlife needs

**QUALITIES**  

Quality of water

Oxygen Molecules

Improve natural resources



## 3: Idea Prioritization

## Step

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

