# Ideation Phase Brainstorm & Idea Prioritization Template

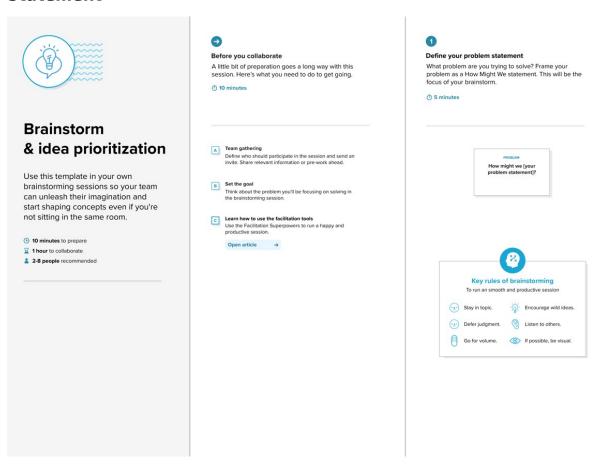
Date	19 September 2022
Team ID	PNT2022TMID06691
Project Name	Real-Time River Water Quality
	Monitoring and Control System
Maximum Marks	4 Marks

# **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.

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.

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



# Step-2: Brainstorm, Idea Listing and Grouping



#### **Brainstorm**

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

10 minutes

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

#### Tharun Prasath R C

Collect samples of water from the rivers Measure parameters like Ph, Turbidity, TDS of the samples

Analyze and set the threshold value Use NodeMCU to interface with the sensors

#### Nandhakumar L

An application to notify the nearby people

Collect

Alert the locals through WiFi Collect and store the values in a cloud DB

Use geolocation

GPRS to check

the

contaminated

#### Palani M

Use the collected values and analyze

Find the relationship between the parameters

Plot the values in a graph and set the threshold values

### Vikram Siva K V

Use cloud service at the backend to store the data

Check for the best and efficient microprocessor that can be used

Analyze and check using different sensor modules available in the market Develop a website for the locals to see the live date

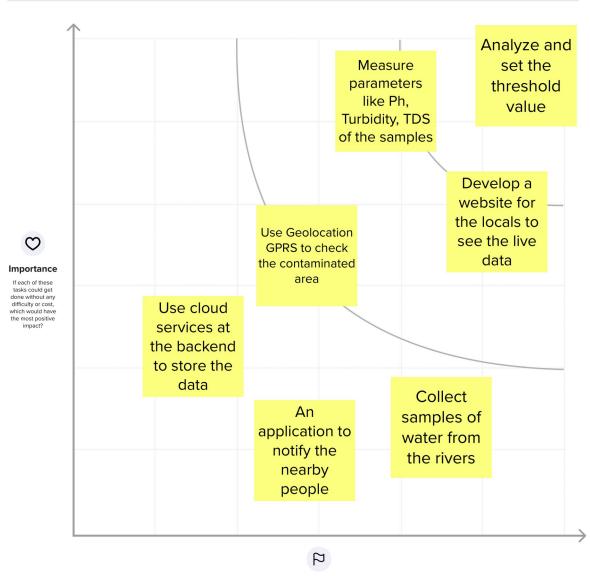
## **Step-3: Idea Prioritization**



#### **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.

① 20 minutes



Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)