# **Ideation Phase**

# **Brainstorm & Idea Prioritization**

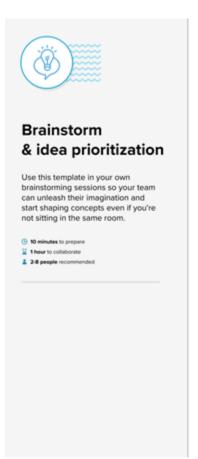
Date	07 October 2022
Team ID	PNT2022TMID06413
Project Name	Project – Real Time River Water Quality
	Monitoring System
Maximum Marks	4 Marks

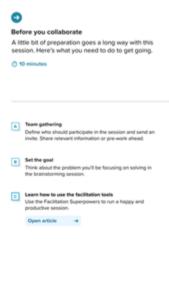
#### **Brainstorm & Idea Prioritization Template:**

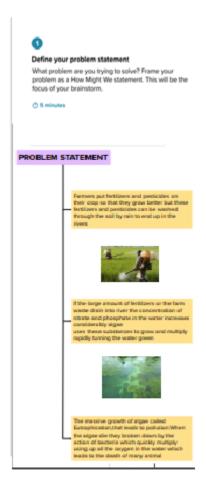
Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, 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

#### Kiran S

Keep the data design Use minimal number of parameters with cheap sensors for predicting

Timeline of measurement must be

recorded

Data modeling to use the past dataset

# Rakshitha P

model is accurate, economical and requires less manpower

communicated to the base station using Zigbee module

GSM technology was efficaciously implemented for sending alarm Continuous monitoring of quality of water for ensuring safe supply of water

## Mowleeshwaran K

To measure perilous quality metrics like physical, chemical and microbial properties

deviations in measured metric and give timely warning in recognition threat or hazards

Collect data at each node such as furbidity, oxygen level and pH values from different sensors

model comprises of different sensors

## Nishalini S

The built-in Wi-Fi module associated with Node-MCU

Wi-Fi facilitates connectivity of internet, and transmits the data measured from the sensor to the Cloud

The designed prototype monitors a number of contaminants present in the water

results are stowed in the Cloud and deep learning



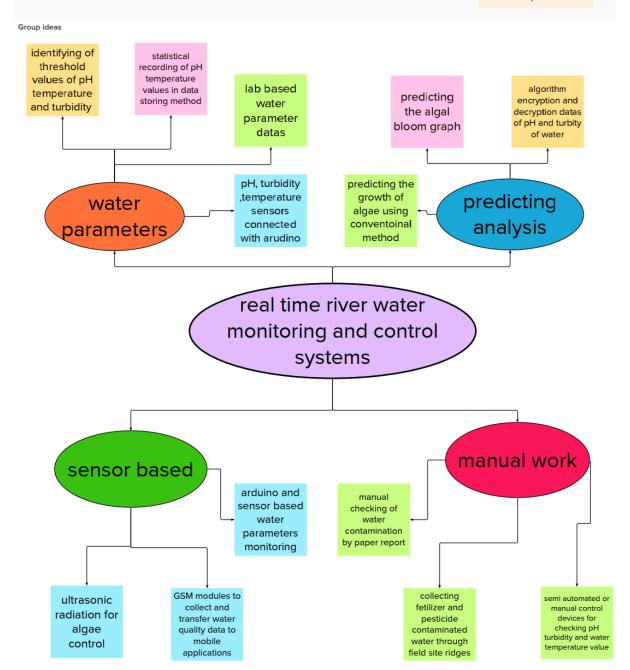
#### **Group ideas**

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 and break it up into smaller sub-groups.

(†) 20 minutes

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**

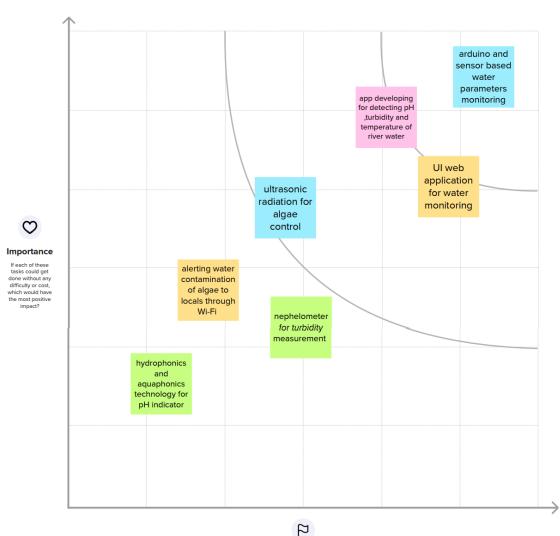


#### Prioritize

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

# Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.



#### Feasibility

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