Ideation Phase Brainstorm & Idea Prioritization Template

Date	17 September 2022
Team ID	PNT2022TMID33019
Project Name	River Water Quality Monitoring and Control
	System
Maximum Marks	4 Marks

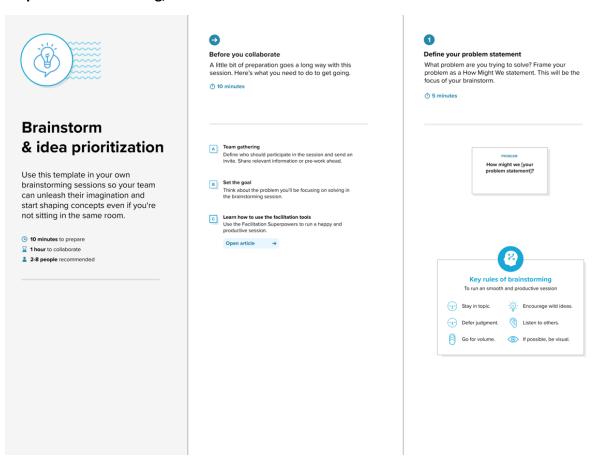
Brainstorm & Idea Prioritization Template:

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.

Reference: https://www.mural.co/templates/empathy-map-canvas

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.

Kookie

10 minutes

Chim

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

Chan

Negative if excess algal growth	Dissolved oxygen	total pure water	Monitoring via web application	Turbidity	ranges for various water quality measurables	d	Check for the disease causing microorganisms	Quality measure	other impurities like plastics	(containing PO43 —) are the most common form of phosphorus in natural waters	Essential nutrients	It should contain potassium
know about failure of eggs /larvae to survive	distilled water	Nitrogen	bracksih water	Alerting authority	due to suspended particles		Determine the water clarity	Monitor the colour of the waterbodies	Measure the temperature	It should have sufficient amount of magnesium	sufficient amount of sodium	Too much nitregen and phosphous in water can leed to an overgrowth of free- floating plants
Lisa			Jennie			s	San			Jisoo		
Presence of plastics	Presence of forever chemicals	PFAS (per- and polyfluoroality) substances).	Jennie Presence of algae bloom	To know if industrial waste are itegally dumped in the water	To know if sewage water is illegally dumped	6	economically affordable	Opt for water that's far from agricultural fields or pastures	Water quality gets improved	Fast-moving water is better than stagnant water	shore the data and warnings using different options such as SMS. WhatsApp and E- real	commends either filtering water, boiling it, wasting it water obenitizal purification tablets, or using distribution lights
Presence of	forever	polyfluoroalkyl	Presence of algae	industrial waste are itegally dumped in the	sewage water is illegally	6	economically	that's far from agricultural fields or	quality gets	Fast-moving water is better than stagnant	warnings using different options such as SMS, WhatsApp and E-	filtering water, boiling it, treating it with chemical purification tablets, or using ultraviolet

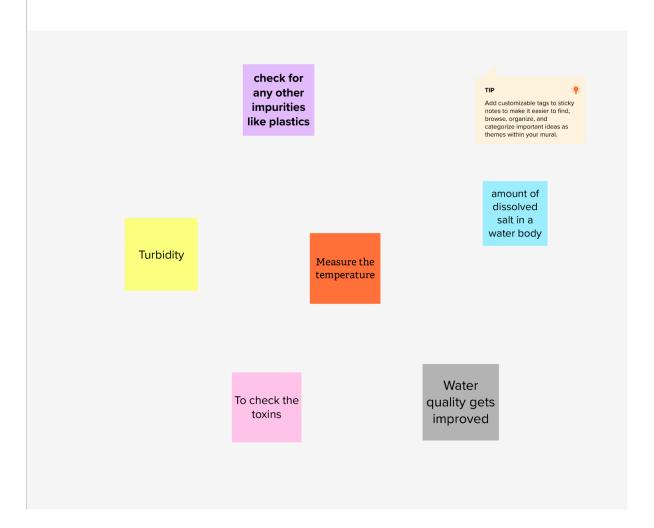
Dore



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.

① 20 minutes



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.

↑ 20 minute

