Ideation Phase Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID33019
Project Name	River Water Quality Monitoring and Control
	System
Maximum Marks	4 Marks

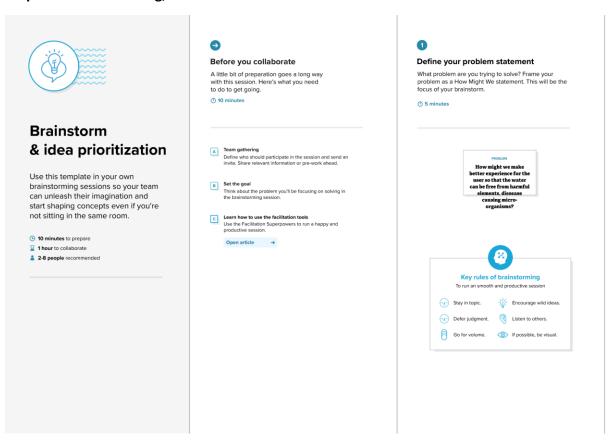
Brainstorm & Idea Prioritization Template:

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

amount of dissolved salt in a water body	Salinity	tend to know if there is an reduction in gowth of organisms	Conductivity	typical deionized water	parameter of water disinfection		Check out the PH value	Check the chemical compositions	finding out the harmful chemicals	should contain calcium	excessive amount of nitrate in drinking water can cause health problems	Eutrophication process results from accumulation of nutrients in lakes or other bodies of water
Negative if excess algal growth	Dissolved oxygen	total pure water	Monitoring via web application	Turbidity	provide healthy ranges for various water quality measurables		Check for the disease causing microorganisms	Quality measure	check for any other impurities like plastics	PHOSPHATES (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 lead to an evergrowth of free- floating plants
Lisa			Jennie			:	San			Jisoo		
Presence of plastics	Presence of forever chemicals	PFAS (per- and polyfluoroalkyl substances).	Jennie Presence of algae bloom	To know if industrial waste are Hegally dumped in the water	To know if sewage water is illegally dumped	:	San economically affordable	Opt for water that's far from agricultural fields or pastures	Water quality gets improved	Jisoo Fast-moving water is better than stagnant water	share the data and warnings using different options such as SMS. WhattApp and E- treal	commends either filtering water, boiling it, reating it with chamical purification tablets, or using ulteralistic fights.
Presence of	forever	polyfluoroalkyl	Presence of algae	industrial waste are itlegally dumped in the	sewage water is illegally		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

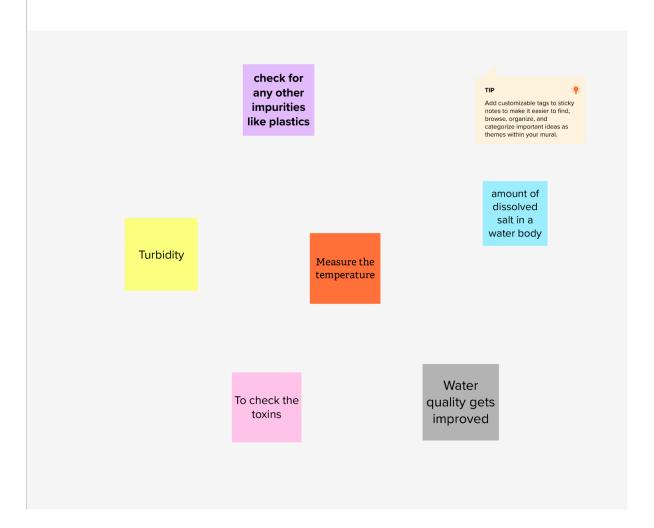
Dore



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

