Ideation Phase Brainstorm & Idea Prioritization Template

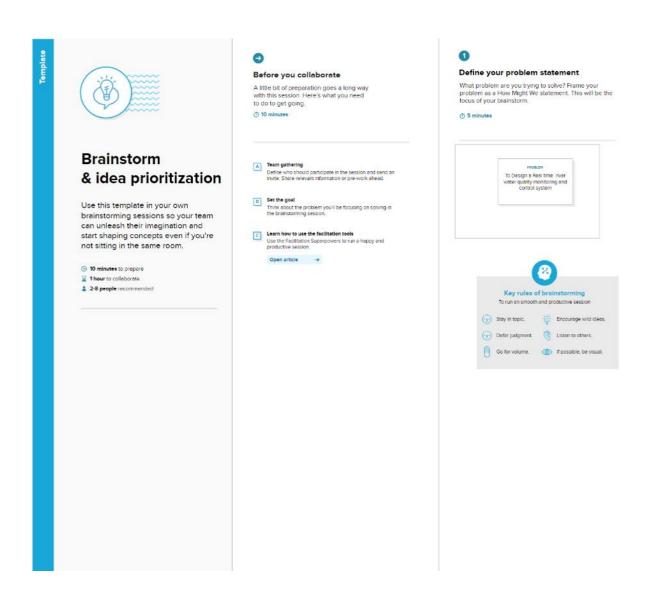
Date	19 September 2022
Team ID	PNT2022TMID04601
Project Name	REAL TIME WATER QUALITY MONITORING SYSTEM
Maximum Marks	4 Marks

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



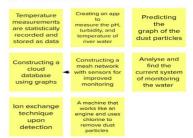


Brainstorm

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

① 10 minutes

JAYASUDHA



KIRUBHA

Water quality monitoring with an Arduino board and sensors	pH sensors,turbidity and Temperature are connected to Arduino	Predetermined values in Arduino track the river quality indicators
sensor data from the zig bee network	Tracking the location of an area with more dust using GPRS	GSM modules for data collection and transmission on water quality to mobile application
controlling the dust particle with ultrasonic radiation		

KISHORKUMAR



HARSHITHA

Measuring the amount of suspended silt using a turbidity sensor	The level of water is measured using an ultrasonic sensor	Water-resistant temperature sensors prevent damage and electrical shock.
Turbidity train sensors measure clarity	Data from numerous sensor nodes should be assembled	Any deviation in the water will be indicated by the buzzer.
A remote server can analyse realtime data gathered from an active site	To automatically send an SMS to a designated person whenever water quality is detected to be below the predetermined standard.	

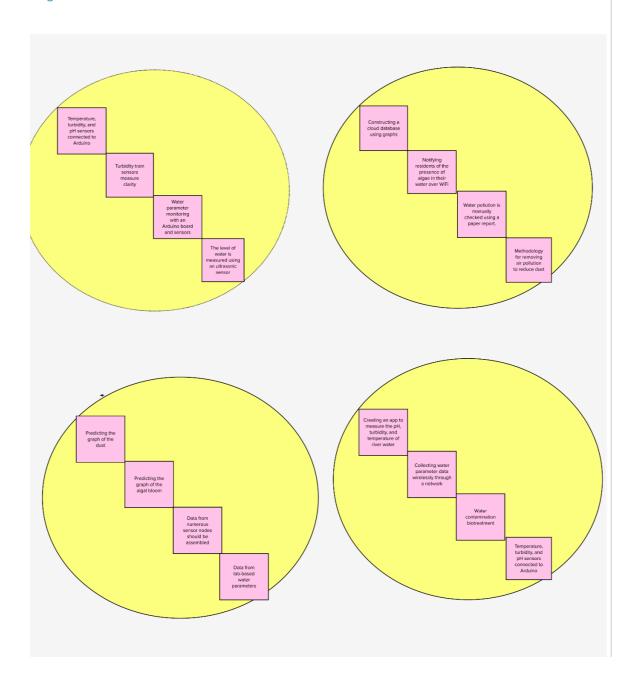
Step-3: Idea Prioritization



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





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.

0 20 minutes

