Brainstorm & idea prioritization

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.

10 minutes to prepare
1 hour to collaborate
2-8 people recommended

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

A **Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B **Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.

C **Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

Open article

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

PROBLEM STATEMENT

Farmers put fertilizers and pesticides on their crop so that they grow better but these fertilizers and pesticides can be washed through the soil by rain to end up in the rivers

If the large amount of fertilizers or the farm waste drain into river the concentration of nitrate and phosphate in the water increases considerably algae
uses these substances to grow and multiply rapidly turning the water green

MEMBERS OF THE IDEATION PROCESS:

TEAM ID : PNT2022TMID31051
TEAM LEADER:V.JAYASHREE
TEAM MEMBER 1:S.JEEVITHA
TEAM MEMBER 2:P.ADHINA
TEAM MEMBER 3:A.KALAIVANI

TODAY'S DISCUSSION TOPIC:
Ideas for monitoring and solving the contaminated river water near agriculture fields

2 Brainstorm

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

10 minutes

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

arduino and sensor based water parameters monitoring
identifying of threshold values of pH temperature and turbidity
statistical recording of pH temperature values in data storing method
lab based water parameter datas
pH, turbidity ,temperature sensors connected with arudino
measuring device based two nri cameras and image processing
app developing for detecting pH ,turbidity and temperature of river water
semi automated or manual control devices for checking pH turbidity and water temperature value
prefixed values in Arduino monitors the quality parameters of river
cloud data based microcontroller node mcu used for water monitoring
predicting the algal bloom graph
hydrophonics and aquaphonics technology for pH indicator
GSM modules to collect and transfer water quality data to mobile applications
algorithm encryption and decryption datas of pH and turbity of water
using graph creating database in cloud
nephelometer for turbidity measurement
GPRS for tracking the location of highly affected algal bloom area
UI web application for water monitoring
wireless network based water parameter data collection
collecting fertilzer and pesticide contaminated water through field site ridges
zigbee network to sensor resultant data
alerting water contamination of algae to locals through Wi-Fi
forming mesh network using sensor to better monitoring
predicting the growth of algae using conventoinal method
ultrasonic radiation for algae control
biological and chemical changes identification of water by conventional method
ion exchange method after detection
biotreatment for contaminated water
miniature dams created and clearing algae production before affecting the whole
dissolve air floatation methodology for controlling
motor like device for cleaning algae and contains chlorine for
manual checking of water contamination by paper report

3 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.

Group ideas

identifying of threshold values of pH temperature and turbidity
statistical recording of pH temperature values in data storing method
lab based water parameter datas
predicting the algal bloom graph
algorithm encryption and decryption datas of pH and turbity of water
water parameters
pH, turbidity ,temperature sensors connected with arudino
predicting the growth of algae using conventoinal method
predicting analysis
real time river water monitoring and control systems
sensor based
manual work
ultrasonic radiation for algae control
arduino
android
sensor
sensor based

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 minutes

TIP
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.

arduino and sensor based water parameters monitoring
app developing for detecting pH ,turbidity and temperature of river water
UI web application for water monitoring
ultrasonic radiation for algae control
Importance
If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?
alerting water contamination of algae to locals through Wi-Fi
nephelometer for turbidity measurement
hydrophonics and aquaphonics technology for pH indicator
water parameters monitoring
GSM modules tocollect and transfer water quality data to mobile applications

After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

A **Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

B **Export the mural**
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

Strategy blueprint
Define the components of a new idea or strategy.
Open the template

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.
Open the template

Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
Open the template

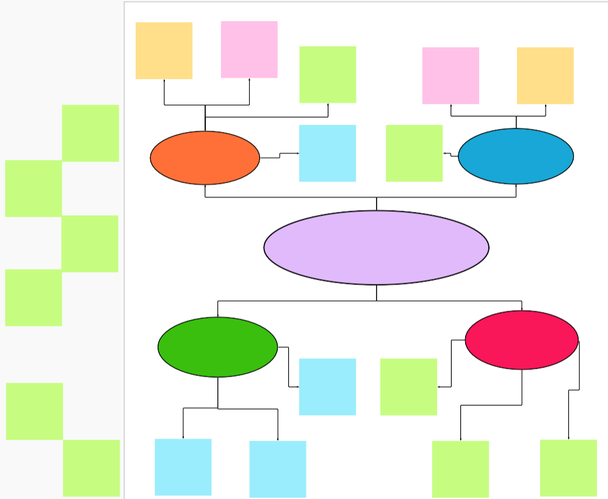
Share template feedback

manual checking of water contamination by paper report

collecting fetilizer and pesticide contaminated water through field site ridges

semi automated or manual control devices for checking ph turbidity and water temperature value

Share template feedback



Feasibility

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