## 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

# 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

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

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

Learn how to use the facilitation tools Use the Facilitation Superpowers to run a happy and

productive session.

Open article

## MEMBERS OF THE IDEATION PROCESS:

TEAM ID: PTN2022TMID30880 TEAM LEAD :S.KAVIYA TEAM MEMBER 1: P.DEEPA TEAM MEMBER 2:R.KEERTHANA TEAM MEMBER 3: C.MONISHA

# **TODAY'S DISCUSSION TOPIC:**

Ideas for monitoring and solving the contaminated river

### 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

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

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

statistical

recording of pH

temperature

values in data

storing method

aquaphonics

technology for

pH indicator

fetilizer and

pesticide

contaminated

water through

field site ridges

for detecting pH

,turbidity and

temperature of

creating

### 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

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

parameters

connected

processing microcontroller node mcu used for water monitoring

device based

two nri cameras

and image

encryption and decryption datas quality data to of pH and turbity of water

application for water

chemical changes

identification of

water by

conventional

collection of algae to locals through

floatation

methodology

for controlling

algae

ion exchange method after detection

network based

water

parameter data

monitoring biotreatment

device for

cleaning algae

and contains

chlorine for

clearing algae

network using

sensor to

better

contaminated water

ultrasonic checking of radiation fo water algae contamination

control

GSM modules to collect and transfer water quality data to mobile applications

arduino and

sensor based

water

parameters

monitoring

fetilizer and pesticide contaminated water through field site ridges

collecting

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

Prioritize

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 th H key on the keyboard.

app developing

for detecting pH

,turbidity and

temperature of

river water

radiation fo

Ouick add-ons

arduino and sensor based water parameters monitoring

UI web

application

for water

monitoring

Share the mural

Export the mural

After you collaborate

You can export the mural as an image or pdf to share with

Share a view link to the mural with stakeholders to keep

Export a copy of the mural as a PNG or PDF to attach to

emails, include in slides, or save in your drive.

them in the loop about the outcomes of the session.

members of your company who might find it helpful.

### Keep moving forward

Strategy blueprint

strategy.

Customer experience journey man Understand customer needs, motivations, and

Open the template



Strengths, weaknesses, opportunities & threats Identify strengths, weaknesses, opportunities,

Share template feedback

Define the components of a new idea or

Open the template

obstacles for an experience.

and threats (SWOT) to develop a plan.

Open the template

water near agriculture fields

Brainstorm

(†) 10 minutes

sensor based

water

Arduino monitor

parameters of

tracking the

location of

highly affected

algal bloom area

radiation fo

algae

created and

clearing algae

production before

affecting the whole

water body

the quality

threshold

values of pH

temperature

and turbidity

water

parameter

datas

identifying o

semi automated or manual control

devices for

turbidity and water

temperature value

nephelometer

measurement

by paper report

for turbidity

checking pH

threshold values of pH temperature and turbidity

water

parameters

Group ideas

① 20 minutes

Group ideas

recording of pH temperature values in data storing method

statistical

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.

lab based water parameter datas

predicting the algal bloom graph

encryption and decryption datas of pH and turbity of water

algorithm

Add customizable tags to sticky

notes to make it easier to find, browse, organize, and

categorize important ideas as

themes within your mural

manual work

semi automated or

manual control

devices for

checking pH

turbidity and water

temperature value

pH, turbidity predicting the growth of ,temperature sensors connected with arudino

predicting algae using analysis conventoinal method

real time river water monitoring and control systems

sensor based

manual

checking of water

contamination by paper report

Importance

If each of these

tasks could get

done without any difficulty or cost.

which would have

the most positive

hydrophonics and aquaphonics technology for

pH indicator

alerting water

contamination

of algae to

locals through

Wi-Fi

