


Ideation Phase

Brainstorm & Idea Prioritization Template

Brainstorm & Idea Prioritization

Step-1: Team Gathering, Collaboration and Select the Problem Statement



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](#) ➔

1


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

How might we [your problem statement]?



Key rules of brainstorming

To run an smooth and productive session

🗣️ Stay in topic.	💡 Encourage wild ideas.
🕒 Defer judgment.	👂 Listen to others.
🗣️ Go for volume.	👁️ If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

app.mural.co/t/mepcoschlenengineeringcolle9052/m/mepcoschlenengineeringcolle9052/1664215497154/468db1c7c461812244745d05dba74c32b40bf1d?sender=ur2f14ba1ef6efedfa49e...

FREE PLAN You have 1 mural remaining. Get unlimited murals when you upgrade your plan.

Facilitator All changes saved 2 Share New mural

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!

Smitha Rajini T	Siva Sangeetha R	Gobika R M	Sharon S
Testing the quality of water from a remote location	Pollution of water can be investigated by a stringent mechanism	usage of different sensor to analyze the water quality	Ensuring the safety of river water before consuming is best
Monitoring water quality is very important for maintaining ecosystem health and the livelihood of the population	A wireless communication system is efficient	Current water quality monitoring system is a manual system with a nonrecursive process, and is very time-consuming	Determining the quality of the water reveals the health consequences that may happen
Arduino controller is used to generate the reading	real-time database used for cloud server	advanced and automated sensor can give detailed insight about water quality	Water quality monitoring is a cost-effective and
the collected data is analyzed and results are updated	SMS alert can be made in case of high values	machine learning algorithms are used to draw conclusions on quality	sensors used maybe pH, temperature, salinity, turbidity, pressure, etc.
different sensor can be used to access the water quality	cloud data can be retrieved anywhere and predictions can be done	The state of the water is the result of man made activities	Remote monitoring of water quality is time saving
	current water quality monitoring system is cost and time consuming process	alarm can be triggered if the value goes beyond the limit	The collected data can be stored in cloud platform

3 Group ideas

Take turns sharing your ideas while sticky notes have been grouped, or bigger than six sticky notes, try and

20 minutes

Navigation Settings

Outline

- 1 Brainstorm & idea pr...
Use this template in your own brainstorming sessions so your team can unleash their
- 2 Before you collaborate
A little bit of preparation goes a long way with this session. Make a short list of ideas to discuss.
- 3 Define your problem ...
What problem are you trying to solve? Frame your problem as a *How Might We* statement. This
- 4 Brainstorm
Write down any ideas that come to mind that address your problem statement.
- 5 Group ideas
Take turns sharing your ideas while clustering similar or related notes and notes are. In this
- 6 Prioritize
Your team should all be on this

79°F Mostly sunny 04:10 PM 28-09-2022

Step-3: Idea Prioritization

The screenshot displays a Mural workspace titled "Untitled mural". The central canvas features a flowchart illustrating a water quality monitoring system. The flowchart starts with a green box: "Monitoring water quality is an important part of helping us determine whether or not we are making progress in cleaning up our waterways." This leads to another green box: "quality of water analyzed help in predicting and conveying the usage of the water like if contaminated not used for drinking can be used for specific crop". This then leads to a green box: "sensors used maybe pH, temperature, salinity, turbidity, pressure, etc".

The flowchart continues with a series of yellow and pink boxes connected by arrows, detailing the system's components and data flow:

- Current water quality monitoring system is a manual system with a spreadsheet process, and is very time-consuming.
- Testing the quality of water from a remote location.
- cloud data can be accessed anywhere and predictions can be made.
- Arduinos can be used to generate the reading.
- The collected data can be stored in cloud platform.
- machine learning algorithms are used to detect anomalies in quality.
- Water quality monitoring is a cost-effective and

The flowchart also includes a section titled "Importance" with a heart icon, listing:

- Health of the water is the result of their made activities.
- different sensor can be used to detect the water quality.
- report card (pH, pH, temperature, salinity, turbidity, pressure, etc).
- There is a need for a system that can be used to detect the water quality.
- real-time data can be used to detect the water quality.
- Advanced sensor can be used to detect the water quality.
- A sensor can be used to detect the water quality.
- SMS alert can be made when the water quality is high values.

The flowchart also includes a section titled "Feasibility" with a flag icon, listing:

- Real-time data can be used to detect the water quality.
- Advanced sensor can be used to detect the water quality.
- A sensor can be used to detect the water quality.
- SMS alert can be made when the water quality is high values.

The right sidebar contains an "Outline" section with the following items:

- 1 Brainstorm & idea pr...
- 2 Before you collaborate
- 3 Define your problem ...
- 4 Brainstorm
- 5 Group ideas
- 6 Prioritize

The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time (04:09 PM, 28-09-2022).

