

Ideation Phase

Brainstorm & Idea Prioritization Template

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID40953 |
| Project Name | Real time 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.

In Brainstorm and idea prioritization template the problem statement ,ideas of team members, idea making and grouping have to be displayed. The requirements and qualities of the river water also be displayed. The ideas of the team members should be categorized into high priority and low priority. The high priority ideas are placed at the top of the graph.

STEPS


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

Step-2: Brainstorm, Idea Listing and Grouping

Step-3: Idea Prioritization




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


Template





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




 Share template feedback



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.


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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 STATEMENT

River water is a finite resource that is necessary for agriculture, industry and the survival of all living things on the planet, including humans. Sometimes the dangerous particles or chemicals are mixed in the river water and general purpose water purifier cannot purify that. And it's impossible to check the quality of river water manually in every time. And we can check the quality of water anytime and from anywhere.



Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm
Write down any ideas that come to mind that address your problem statement.
⌚ 10 minutes

Quality of Water

Irrigation purpose

Human needs


Prevention of diseases

Need for pure water

Prevent contamination

Avoid drought

Tourism



Aquatic life improvement

Transportation

Dam maintenance

Fishing

Depends on season

Wild life survival

Improve natural resources

Easy to treat waste water

3

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 can break it up into smaller sub-groups.
⌚ 20 minutes

REQUIREMENTS

Area for River flow

Need of water


Wildlife needs

QUALITIES

Quality of water

Oxygen Molecules

Improve natural resources



Step-3: Idea Prioritization

4

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

