


Ideation Phase

Brainstorm & Idea Prioritization Template




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


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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

**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](#) 



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





Key rules of brainstorming


To run an smooth and productive session


 Stay in topic.

 Defer judgment.

 Go for volume.

 Encourage wild ideas.

 Listen to others.

 If possible, be visual.

Swimming is one of the best exercises that helps people to reduce stress in this urban lifestyle. Swimming pools are found larger in number in hotels, and weekend tourist spots and barely people have them in their house backyard. Beginners, especially, often feel it difficult to breathe underwater which causes breathing trouble which in turn causes a drowning accident. Worldwide, drowning produces a higher rate of mortality without causing injury to children. Children under six of their age are found to be suffering the highest drowning mortality rates worldwide. Such kinds of deaths account for the third cause of unplanned death globally, with about 1.2 million cases yearly. To overcome this conflict, a meticulous system is to be implemented along the swimming pools to save human life.

Step 2: Idea listing and grouping

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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

Cloud Computing Technology

An alert is sent as SMS to the life guard phone when drowning happens.

Using location monitoring to identify drowning victims

Bluetooth based wristband to detect human pulses and alerts lifeguard

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Internet of Things (IOT)

Drone based human activity recognition

Low cost drowning detection system using Ultrasonic Sensors (Sonar)

Hardware gadgets for detecting swimmer position

An infrared light sensor is placed in a no swim zone to give an alert

Rescue people by detecting turbulence under water

Machine Learning and Artificial Intelligence

AI camera to monitor any unusual activity which alerts in an emergency

Using yolo object detection, the system can determine if a person is drowning or swimming.

Using CNN and RNN to Classify Drowning Persons from Live Video

Drone-based drowning detection utilising the COROLA and CNN algorithms

Swimming pose estimation using keypoints in the human body

Step 3: Idea Prioritization

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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

