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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Choose your best "How Might We" Questions

🕐 10 minutes

QUESTION 1

How might we detect and differentiate active drowning with the least possible error rate?

QUESTION 2

How might we identify people drowning in a swimming pool?

QUESTION 3

How might we will increase the accuracy level in the system?

QUESTION 4

How might we make it as cost-effective

2 Brainstorm solo

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

🕐 10 minutes

Harsheetha

Requires HD cameras for good quality frames to be processed

High level testing must be carried out before real world deployment.

Systematic and Eficient algorithms to be followed

Underwater cameras a possible solution to detect humans under deep water

24/7 Power supply is must for the system to run & report

Provide critical and proper message to the rescue team

Make sure the stakeholders know, how the system works.

Harini

able to process absolute drowning and also alerting the rescue team of passive possibilities as a probable instance

optimized feed transfer to achieve the relay will less BW to get the classifable video of underwater footage

using alternative source of energy such as solar to make a green system but making sure to always have backup supply

having an integration with fitness band companies to get vital data of a swimmer to have better information and predict possabilities of a drowning incident

ensuring the video feed is not being recorded or saved instead being used only for detection which is later discarded

having retro effective indicators given to children and newbies and teaching them signals to make the drowning detection easy

ensuring ways where there is a 100% gaurantee of spotting a drowning situations and placing multiple camera at strategically to active results in unpredictable situations

Harshini

The AI should be trained with more samples for better results

There should be manual alert system in case of detection failure

How will be the accuracy level in the system?

Will the system detect properly if the pool is clumsy?

System should detect multiple drowning and should report the same

cameras can be mounted on the bottom of floating boards for large swimming pools.

What happens if animals were encountered in the pool?

For privacy purpose the video stream should not be stored.

Al should be trained in such a way that it should detect multiple drowning

Jenifar

The network connectivity should be good for faster alert transmission.

When more people are drowning there will be a problem to detect all so multiple cameras are needed to eliminate such problems.

power backup should be there in case of powercut.

cameras should be maintained properly for good results

Use powerful algorithm to get trained from various datasets.

3 Brainstorm as a group

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.

🕐 30 minutes

TIP
You can use the Voting session tool above to focus on the strongest ideas.

Power

24/7 Power supply is must for the system to run & report

using alternative source of energy such as solar to make a green system but always have backup supply

power backup should be there in case of powercut.

AI and ML

AI should be trained in such a way that it should detect multiple drowning

having retro effective indicators given to children and newbies and teaching them signals to make the drowning detection easy

The AI should be trained with more samples for better results

Privacy

For privacy purpose the video stream should not be stored.

ensuring ways where there is a 100% gaurantee of spotting a drowning situations and placing multiple camera at strategically to active results in unpredictable situations

Hardware

Make sure the stakeholders know, how the system works.

There should be manual alert system in case of detection failure

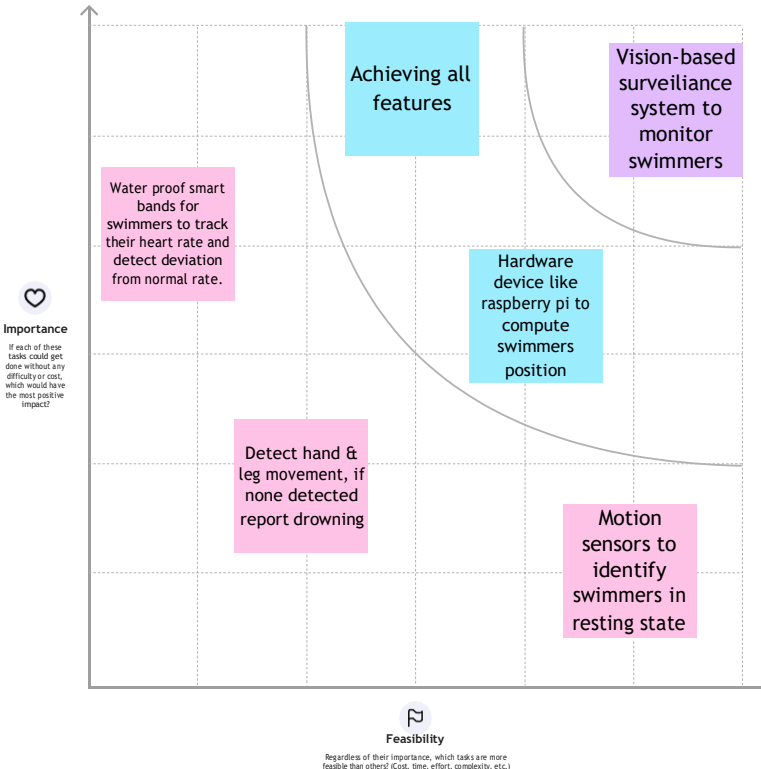cameras should be maintained properly for good results

Requires HD cameras for good quality frames to be processed

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

Importance
If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

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

- Achieving all features
- Vision-based surveillance system to monitor swimmers
- Water proof smart bands for swimmers to track their heart rate and detect deviation from normal rate.
- Hardware device like raspberry pi to compute swimmers position
- Detect hand & leg movement, if none detected report drowning
- Motion sensors to identify swimmers in resting state

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.
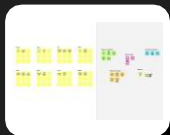
Quick add-ons

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

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 experience.
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