Template

# Brainstorm & idea prioritization

## 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

### Sham Kingslin R

- Requires HD cameras for good quality frames to be processed
- High level testing must be carried out before real world deployment.
- Systematic and Efcient algorithms to be followed
- Provide critical and proper message to the rescue team
- Underwater cameras a possible solution to detect humans under deep water
- 24/7 Power supply is must for the system to run & report
- Make sure the stakeholders know, how the system works.

### Sanjay S

- optimized feed transfer to achieve the realay will less BW to get the classifiable video of underwater footage
- able to process absolute drowning and also alrerting the rescue team of passive possibilities as a probable instance
- 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 monitoring system to the state of a swimmer so 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
- ensuring ways where there is a 100% guarentee of spotting a drowning situations and placing multiple camera as an angically to achieve results in unpredictable situations
- having retro reflective indicators given to children and newbies and teaching them signals to make the drowning detection easy

### Sunil Kumar B

- The AI should be trained with more samples for better results
- There should be manual alert system in case of detection failure
- System should detect multiple drowning and should report the same
- How will be the accuracy level in the system?
- Will the system detect properly if the pool is clumsy?
- cameras can be mounted on the bottom of floating boards for large swimming pools.
- For privacy purpose the video stream should not be stored.

### Sanjay Kumar K

- power backup should be there in case of powercut.
- The network connectivity should be good for faster alert trasmission.
- cameras should be maintained properly for good results
- When more people are drowning there will be a problem to detect all so multiple cameras are needed to eliminate such problems.
- What happens if animals were encountered in the pool?
- AI should be trained in such a way that it should detect multiple drowning
- 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 and break it up into smaller sub-groups.

20 minutes

### Power

- 24/7 Power supply is must for the system to run & report
- power backup should be there in case of powercut.
- using alternative source of energy such as solar to make a green system but making sure to always have backup supply

### AI and ML

- AI should be trained in such a way that it should detect multiple drowning
- The AI should be trained with more samples for better results
- having retro reflective indicators given to children and newbies and teaching them signals to make the drowning detection easy

### Privacy

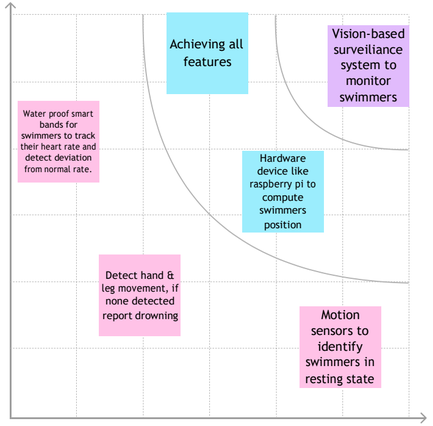
- For privacy purpose the video stream should not be stored.
- Make sure the stakeholders know, how the system works.
- ensuring ways where there is a 100% guarentee of spotting a drowning situations and placing multiple camera as an angically to achieve results in unpredictable situations

### Hardware

- There should be manual alert system in case of detection failure
- Requires HD cameras for good quality frames to be processed
- cameras should be maintained properly for good results

## 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.




## 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

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

B **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 strategy.
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 →