VIRTUAL EYE 🏖

Brainstorm & idea prioritization

In this session we aim to achieve a good base for beginning our project. With clear understanding of the task in hand, the next step would be to collectively put in our thoughts/ imagination and end with a proper feasibility

Ground Rules

- Be Creative
- Rule out every possible ideas and improvements

Make your points clear and purposeful Don't hesitate. (Every point is noteworthy) Arguments are good ALA it lands beneficial Have various perspectives towards the

Choose your best "How Might We" Questions

Share the top 5 brainstorm questions that you created and let the group determine where to begin by selecting one question to move forward with based on what seems

to be the most promising for idea generation in the areas

(†) 10 minutes

you are trying to impact.

OUESTION 1 How might we detect and differentiate active drowning with the least possible error rate?

QUESTION 2 How might we automate the alert systems so as to provide crutial stats and info to the rescue team ?

OUESTION 3 How might we optimize the detection algorithm to yield results in the least time?

> How might we bring more privacy, yet use camera for detection?

QUESTION 5 How might we optimally use minimal hardware to get the most accurate information in a around the environment?

Brainstorm solo

Have each participant begin in the "solo brainstorm space" by silently brainstorming ideas and placing them into the template. This "silent-storming" avoids group-think and creates an inclusive environment for introverts and extroverts alike. Set a time limit. Encourage people to go for quantity.

10 minutes

Jayanarayanan

testing must be carried out hyperparameters lefficiel and Efficiel and Efficiel and Efficiel world deployment. Requires HD cameras for cameras a supply is			
cameras for cameras a supply is	carried out before real world	hyperparameters must be found for	Systematic and Efficier algorithms t be follower
Serie demine)	cameras for good quality frames to be	cameras a possible solution to detect humans	24/7 Powe supply is must for th system to ru & report
Provide critical and proper stakeholders stakeholders understand that there is a possible there is a possible stakeholders.	and proper message to the	stakeholders know, how the	Make sure the stakeholders understand tha there is a possibl for a false alarm a: well

•		
optimized feed transfer to achieve live 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	setup an ACS and suggestive ways to ensure the information reaches in one or more ways as this deals with critical life saving situation
ensuring ways where there is a 100% gaurentee of spotting a drowning situations and placing multiple cameras strategically to achive results in unpredictable situations	ensuring the video feed is not being recorded or saved instead being used only for detection which is later discarded	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 stats of a swimmer to have better informati and predict		having considered the metrics and variance of different age groups and also ke different swimming environments both
possabilities of a drowning incident	detection easy	controlled and liesure

Balasubramaniyan

The Al should be trained with more samples for better results	There should be manual alert system in case of detection failure	More camera should be used to improve accuracy.
Dette. results		accuracy.
How will be the accuracy level in the system?	will the system detect properly if the pool is clumsy?	System shou detect multipl drowning and should repor the same
For privacy purpose the video stream should not	The system shouldnt annoy	cameras can b mounted on the bottom of floating board for large

Akash

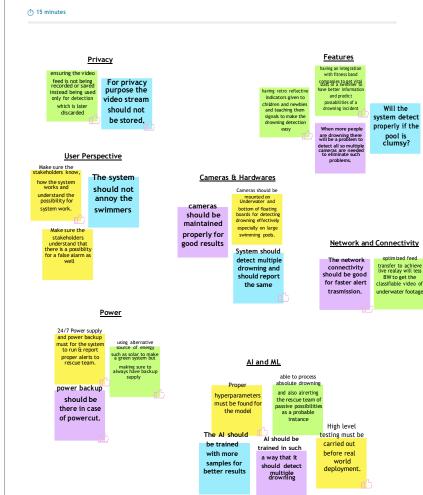
power backup should be there in case of powercut. What happens if animals were encountered in the pool?	The network connectivity should be good for faster alert trasmission. When owns genele will be a problem to detect all so multiple cappending segred problems.	cameras should be maintained properly for good results Use powerful algorithm to get trained from various datasets.
Al should be trained in such a way that it should detect		

Dhileepan

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possabilities of a drowning incident		detection easy		controlled and liesure

Brainstorm as a group

Have everyone move their ideas into the "group sharing space" within the template and have the team silently read through them. As a team, sort and group them by thematic topics or similarities. Discuss and answer any questions that arise. Encourage "Yes, and..." and build on the ideas of other people along



Prioritize

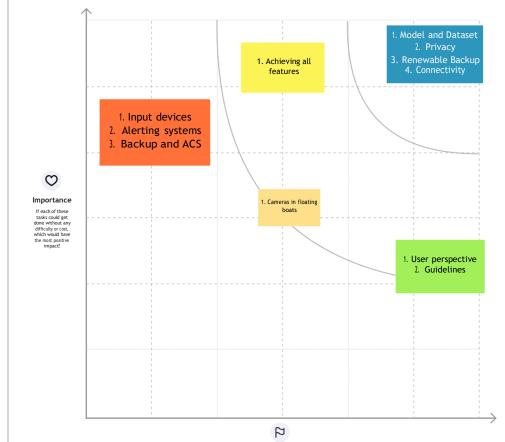
TIP

You can use the Voting session tool above to focus

on the strongest ideas.

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.

① 20 minutes



Decide your focus

Give each person two icons to vote which idea should your team focus on & assign the duties & responsibilities

Dhileepan Jayanarayanan Backend and Backend and MLA intergration

Akash Balasubramanivan Frontend and Design

Frontdash Dash and Utils

Whats Next...

- 1. Plan and code an effecient model and train it with the correct hyperparameters to produce a probable and accurate result. 2. Enhance the system to work in a proper environment in
- an integrated manner to yield a cohesive solution.
- 3. Create a proper frontend dash to give critial information with atmost clarity and least delay.
- 4. Comeup with the solution that is minimal, portable less intrusive and cost effective.



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



































