

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 study.

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
- problem

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 you are trying to impact.

10 minutes

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

OUESTION 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 vield results in the least time?

OUESTION 4 How might we bring more privacy, yet use camera for detection?

QUESTION 5 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

Madhumitha

High level esting must be carried out before real world deployment.	Proper hyperparameters must be found for the model	Systematic and Efficient algorithms to be followed
Requires HD		24/7 Power
cameras for good quality frames to be processed	Underwater cameras a possible solution to detect humans under deep water	supply is must for the system to run & report
	Males area bloo	Make sure the
Provide critical	Make sure the	stakeholders
and proper	stakeholders	understand that
nessage to the	know, how the	there is a possiblity
escue team	system works.	for a false alarm as
		well

optimized feed	able to process	setup an ACS and
transfer to achieve live realay will less	absolute drowning and also alrerting	suggestive ways to ensure the
BW to get the classifiable video of	the rescue team of passive possibilities as a probable	information reaches ir one or more ways as this deals with critical
underwater footage	instance	life saving situation
	ensuring the video	
ensuring ways where there is a 100% gaurentee of spotting a drowning situations and	feed is not being recorded or saved instead being used	using alternative source of energy such as solar to make a green system but
placing multiple cameras strategically to achive	only for detection	making sure to
results in unpredictable situations	which is later discarded	always have backup supply
having an integration	having retro reflective	having considered
with fitness band		the metrics and
companies trimeterital	indicators given to childeren and	variance of different
have better information	newbies and teaching them signals to make	
	the drowning	environments both
possabilities of a	detection easy	controlled and liesure
drowning incident		

Shivaani

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

power backup should be there in case of powercut. happens if animals were encountered in the pool?	The network connectivity should be good for faster alert trasmission. Whethomoring their will be a problem to detect all so multiple case elseniases needed 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 multiple		

Melvin

Thenmozhi

power backup should be there in case of powercut. happens if animals were encountered in the pool?	The network connectivity should be good for faster alert trasmission. Westnowning their will be a problem to detect all so multiple case elsminate sanded problems.	cameras should be maintained properly for good results Use powerful algorithm to get trained from various datasets.
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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 the way.

15 minutes



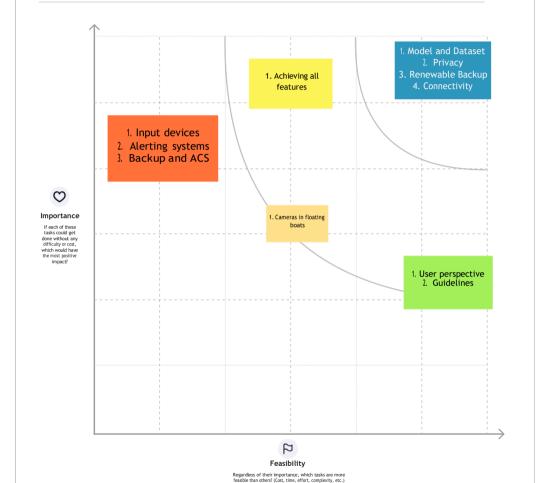
You can use the Voting

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.

→ 20 minutes



Decide your focus

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

→ 5 minutes

Madhu Shivaani Backend and Backend and MLA Intergration Melvin thenmozhi Frontend and

and Utils

Whats Next...

Design

- 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.

Team

Sneha Xavier Raghul D Sujitha S









