TEAM ID : PNT2022TMID14295



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.

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 ontimize the detection algorithm to vield results in the least time?

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

How might we ontimally use minimal hardware to get the most accurate information in an

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

High level					
testing must be		Proper		Systematic	
carried out		hyperparameters		and Efficient	
before real	l	must be found	fc	algorithms	to
world		the model		be followed	
deployment.					
Requires HD		Underwater		24/7 Power	
cameras for		cameras a		supply is	
good quality		possible solution		must for the	
frames to be		to detect human	s	system to run	
processed		under deep water		& report	
				Make su	re t
Provide critical		Make sure the		stakeholders	
and proper		stakeholders		understand that	
message to the		know, how the		there is a possiblity	
rescue team	s	ystem works.	fc	r a false alarm as	
				well	

The AI should trained with more samples for better results	There should be manual alert system in case of detection failure	More cameras should be used to improve accuracy.
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
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

tats of a symmer to have better informatic and predict possabilities of a	them signals to mak the drowning	age groups and also e different swimming environments both
drowning incident	detection easy	controlled and liesure
power backup	The network	cameras _{be}
should be	connectivity	should be
there in case	should be good	maintained
of powercut.	for faster alert trasmission.	properly for good results
What	Apal Susyand Bank	Use powerful
What happens if animals were	When Wifing the Rewill be a problem to detect all so multiple	Use powerful algorithm to
happens if	will be a problem to	Use powerful
happens if animals were encountered in the pool?	will be a problem to detect all so multiple camerammatereded	Use powerful algorithm to get trained from various
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happens if animals were encountered in the pool?	will be a problem to detect all so multiple camerammatereded	Use powerful algorithm to get trained from various

and also alrerting

as a probable

only for detection which is later

discarded

indicators given to childeren and

having an integration having retro reflective having considered

the rescue team of information reaches

passive possibilities one or more ways a

life saving situation

making sure to always have backup

transfer to achiev

strategically to achive

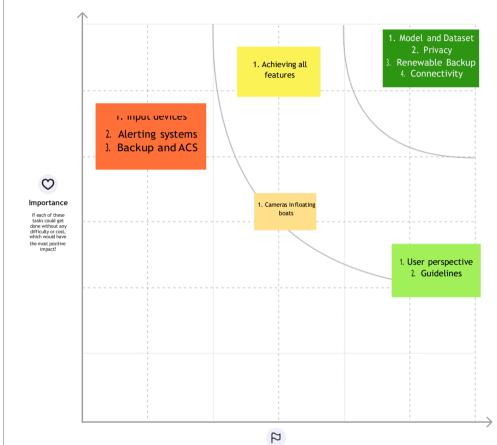




Prioritize

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



Decide your focus

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

♠ 5 minutes

Kishore Kumar Barani Backend and MLA Backend and Intergration

Karthika

Babhu Ganesh

Frontend and Design

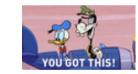
and Utils

Whats Next...

- 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

1. Plan and code an effecient model and train it with the

intrusive and cost effective.



Team































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





