Ideation Phase Brainstorm & Idea Prioritization Template

Date	18 OCTOBER 2022
Team ID	PNT2022TMID45727
Project Name	Virtual Eye-Life Guard For Swimming Pools to Detect Active Drowning
Maximum Marks	4 Marks



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
- 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?

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 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 an

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.

VIVEK'S

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

sabitha.s

AATHIDEVAN'P

The AI should	There should	More cameras
e trained	be manual alert	should be
vith more	system in case	used to
amples for	of detection	improve
etter results	failure	accuracy.
dow will be ne 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 ourpose the ideo stream should not be stored.	The system shouldnt annoy others	cameras can be mounted on the bottom of floating boards for large swimming pools.

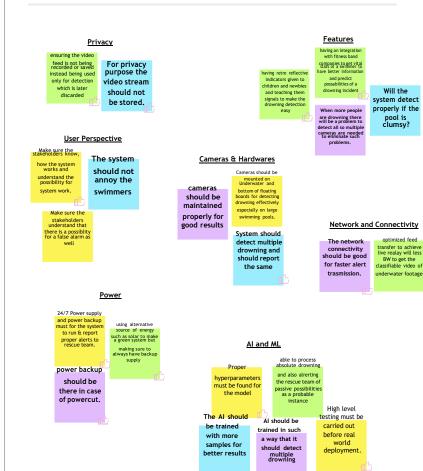
Kayya D

Kavya D		
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 worms enselve will be a problem to detect all so multiple capeants.	cameras should be maintained properly for good results Use powerful algorithm of get trained from various datasets.
Al should be trained in such a way that it should detect		

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

① 15 minutes



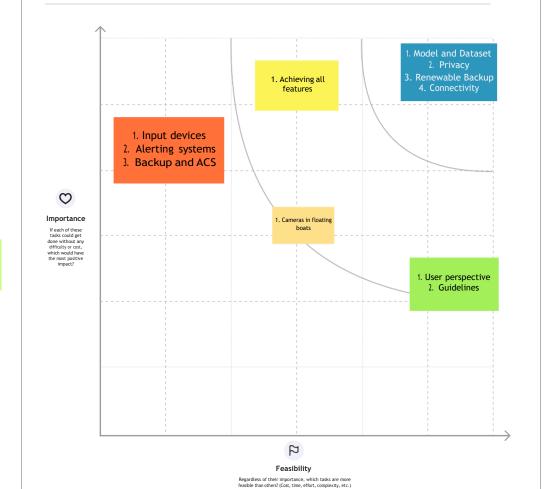
You can use the Voting session tool above to focus

on the strongest ideas.

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

Whats Next...

correct hyperparameters to produce a probable and accurate result. 2. Enhance the system to work in a proper environment in

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

- 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.



















