

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

Write down any ideas that come to mind that address your problem statement.

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?

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

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

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



Brainstorm

Write down any ideas that come to mind that address your problem statement.

DANISH L

and efficient

algorithms to

be followed.

ASHISH SURESH

High level must be carried out before real world development.

hyperparameters must be found for the model.

Requeries HD cameras for the good quality.

Provide critical and proper message to the team.

Make sure that the stakeholders know how the system works.

cameras are possible to detect human under deep

24/7 power suppy is must for the system to run and report.

Make sure that the stakeholders understand that there is a false alarm as well.

Using alternative source of energy such as solar to make a green system but making sure for the suppy

AFFRAN SN

Al should be trained to

detect the persons.

DHANISH ERSHAD

There should be manual alarm when the system failures. More cameras should be used to check for the accuracy.

Setup a ACS and suggestive ways to ensure the information.

For privacy propose the video should be stored.

process absolute drowning and

drowning and

should access properly if the

when the animals entered the water?

or spoting a drowning situations.

Group ideas

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.

Power

24/7 power supply and power back should be ready.

alternative source of energy such assolar to make a green system.

Features

Having retro refletive indicators are given to children newbies and teaching them signals.

integration with fitness band companies to get vital stats of a swimmer to have

Privacy

Cameras & Hardwares

Camera should be maintained properly in good condition

Camera shoul be mounted under the water and bottom of floating board for detecting.

User Perspective

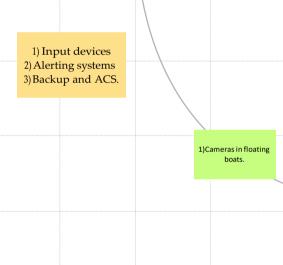
hould not annoy the

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.









1)Achieving all

features.

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost. time, effort, complexity, etc.) 1. Model and Dataset

2. Privacy

3. Renewable Backup

4. Connectivity

1. User perspective

2. Guidelines