


Ideation Phase

Date	19 October 2022
Team ID	PNT2022TMID30922
Project Name	VirtualEye – Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 Marks



VIRTUAL EYE

Brainstorm & idea prioritisation

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 experiments
- Make your points clear and purposeful
- Don't hesitate. Being quiet is not harmful
- Arguments are good. A/LA is harmful
- Have various perspectives towards the problem

1 Choose your best "How Might We" Questions

Share the top 5 brainstorm questions. Pick your interest 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 accurately detect system so as to provide rapid alert and info to the rescue?

QUESTION 3: How might we activate the detection algorithm to print results to the best time?

QUESTION 4: How might we bring more privacy and less system for detection?

QUESTION 5: How might we optimally use external features to get the most accurate information to an rescue the environment?

2 Brainstorm solo

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

10 minutes

ABOUT 5

NOISE 5

SURROUND

VIRTUAL EYE

PERVA DISABILITIES

3 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.

10 minutes

Privacy

User Perspective

Power

General & Hardware

AI and ML

Network and Connectivity

Features

4 Decide your focus

Give each person time to write which idea should your team focus on.

5 minutes

ABOUT

NOISE

VIRTUAL EYE

PERVA DISABILITIES

SURROUND

What's Next...

"This set of ideas or efficient model approach it with the correct hyperparameters, to produce consistent and accurate results."

Put them in groups to work to plan experiments or to integrate them to make a complete solution. Work to plan other information with related data and team skills.

Following with the solution. Work to collect possible data to make and test effective.

Need some inspiration?

Any idea that comes to mind is a good idea. Use the template to capture your ideas and group them.

Brain template