


Ideation Phase

Date	05 NOVEMBER 2022
Team ID	PNT2022TMID19839
Project Name	VirtualEye – Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 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 study.

Ground Rules

- Be Creative
- Rule out every possible bias and improvements
- Make your points clear and purposeful
- Don't hesitate (every point is noteworthy)
- Arguments are good (ALA it tends beneficial)
- Have various perspectives towards the problem

1 Choose your best "How Might We" Questions

Show the top 3 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.

15 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 or error possible color data and link to the rescue?

QUESTION 3

How might we optimize the detection algorithm to avoid errors in the next hour?

QUESTION 4

How might we create more privacy for our system for detection?

QUESTION 5

How might we identify the related features to get the most accurate information in an event?

2 Brainstorm solo

Have each participant begin in the "solo brainstorm space" by clearly brainstorming ideas and placing them into the template. The "solo brainstorming" allows groupthink and creates an inclusive environment for thoughts and solutions. After, for a time limit. Encourage people to go for quantity.

15 minutes

ABOUT 8

8 ideas related to the problem statement

NEEDS 5

5 needs related to the problem statement

SOLUTIONS

5 solutions related to the problem statement

VIRTUAL EYE

5 ideas related to the problem statement

PERSONALIZATION 5

5 ideas related to the problem statement

3 Brainstorm as a group

Have everyone move their ideas into the "group sharing space" within the template and have the team identify one through them. As a team, sort and group them by themes/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

Privacy

For privacy, please ensure that others cannot see your screen.

User Perspective

When using the system, the user should not annoy the system.

Power

Power should be distributed among the system.

Features

Features should be added to the system to make it more useful.

Costs & Hardware

Costs should be minimized to make the system more affordable.

Network and Connectivity

The network connectivity should be good for faster data transfer.

AI and ML

AI and ML should be used to make the system more intelligent.

4 Decide your focus

Give each person two icons to vote which idea should your team focus on.

5 minutes

IDEA 1	IDEA 2
IDEA 1	IDEA 2
IDEA 3	IDEA 4
IDEA 5	IDEA 6

What's Next...

After this session, the team should continue to work on the chosen idea, focusing on the next steps and the overall project plan.

