


# Ideation Phase

Date	17 October 2022
Team ID	PNT2022TMID26933
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 idea and improvements
- 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 needed 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 real-time alerts and info to the rescue?

QUESTION 3: How might we enhance the detection algorithm to prevent alerts to the least 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 from around 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**

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**SURROUND**

**What's Next...**

"This set of ideas or efficient model approach is with the correct dependencies, to further conceptualise and develop next."

Put them in groups to work in groups to plan, experiment or to implement more in detail. Encourage a proper feedback loop to give other information with almost daily and team work.

Following with the solution. Work to obtain possible new features and cost-effective.

**Need some inspiration?**

Any idea that comes to mind, no matter how small or silly, is a good idea. Write it down.

Brainstorming - 10

10 minutes

10 minutes

10 minutes

10 minutes

10 minutes