

Ideation Phase

Brainstorm & Idea Prioritization

Date	15 October 2022
Team ID	PNT2022TMID45200
Project Name	VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

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.

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Ground Rules

Be Creative
Brain out every possible ideas and improvements.
Make your points clear and powerful. Don't hesitate.
Every point is valuable. Arguments are good & a touch harmful. Have various perspective towards the problem.

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Brainstorming Session

1. Choose your best "How Might We" Questions

Share the top 5 brainstorm questions that you created and let the group determine which to begin to solving. Give questions to move forward with. Based on the answers to the most promising for idea generation in the when you are trying to respond.

QUESTION 1
HOW MIGHT we detect and differentiate active drowning with the least possible error rate?

QUESTION 2
How might we automate the alert system so as to provide crucial data and info to the rescue team?

QUESTION 3
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 4
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 on an around the environment?

2. Define your problem statement

What problem are you trying to solve? Frame your problem as a clear, right the statement. This will be the focus of your brainstorm.

QUESTION 1
How might we optimize the "Virtual Eye" algorithm to yield results in the least time?

QUESTION 2
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 3
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 4
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 5
How might we optimize the detection algorithm to yield results in the least time?

3. Brainstorm

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

QUESTION 1
How might we optimize the "Virtual Eye" algorithm to yield results in the least time?

QUESTION 2
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 3
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 4
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 5
How might we optimize the detection algorithm to yield results in the least time?

4. Group ideas

Take time sharing your ideas with clustering similar or related ones as you go. Once all ideas are shared, have each group pick one idea to explore further. If a cluster is larger than six ideas, split it and have it and break it up into smaller subgroups.

QUESTION 1
How might we optimize the "Virtual Eye" algorithm to yield results in the least time?

QUESTION 2
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 3
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 4
How might we optimize the detection algorithm to yield results in the least time?

QUESTION 5
How might we optimize the detection algorithm to yield results in the least time?

5. Prioritize

Your team should all be on the same page about what's important, moving forward. Place your ideas on the grid to determine which ideas are important and which are feasible.

QUESTION 1
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QUESTION 2
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6. After you collaborate

You can export the work as an image or pdf. To share with members of your company who might find it helpful.

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