

Ideation Phase

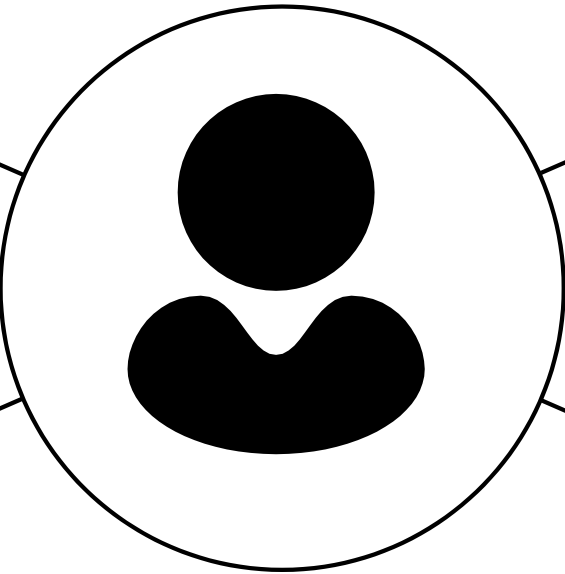
Empathize & Discover

Date	26 September 2022
Team ID	PNT2022TMID26995
Project Name	Project - Virtual Eye-Life Guard For Swimming Pools to Detect Active Drowning
Maximum Marks	4 Marks

Empathy Map Canvas:

What do they
THINK AND FEEL?

what really counts
major preoccupations
worries & aspirations



Drowning is the 3rd leading cause of unintentional injury death worldwide.

Each year many people including children are drowned or very close to drowning in the deeps of the swimming pools.

Real-time detection of a drowning person in swimming pools is a challenging task that requires an accurate system.

To overcome this conflict, a meticulous system is to be implemented along the swimming pools to save human life.

High Accuracy

It sends alerts.

Realtime detection of drowning.

How the system works.

We can devise an underwater pool safety system that reduces the risk of drowning.

What do they
SEE?

environment
friends
what the market offers

What do they
SAY AND DO?

attitude in public
appearance
behavior towards others

Can generate revenue from direct customers and lifeguards.

In this application with using some advanced technologies, we can identify if anyone is drowning in a live video feed and then send an alert immediately.

Expensive and valuable safety system.

PAIN

fears
frustrations
obstacles

Expensive installation.

Low budget camera can cause improper detection.

Rescue team must be available always.

GAIN

"wants" / needs
measures of success
obstacles

Easily detects accurate drowning.

It helps the lifeguard to detect the underwater situation where they can't easily observe.

Reduce the death rate caused by drowning.