

Project Design Phase-I

Problem Statement

Date	3 OCTOBER 2022
Team ID	PNT2022TMID18501
Project Name	Virtual eye – lifeguard for swimming pools for active drowning
Maximum Marks	4 Marks

Problem Statement:

The person who is swimming in a pool needs to be rescued as soon as possible if he/she is drowning so that he/she does not die and swim without the fear of drowning.

5W's

Who does the problem affect?

The problem affects a lot of people than we think it does. It affects,

- The person who drowns loses his life.
- The person's kin and kith become traumatized by the loss of their loved one.
- The fellow swimmers who used to practice along with the person who drowned get their confidence and passion towards swimming lowered.

What is the issue?

Though Swimming is a healthy exercise and popular sport there is always a risk of people drowning. More than the fear of losing a swimming competition the fear of drowning affects a lot of people making them refrain from practicing.

When does the issue occur?

The issue may occur during the following scenarios:

- When a person learns swimming.
- When a person goes unconscious in a swimming pool.
- When a person gets exhausted in a swimming pool.

Where is the issue occurring?

The issue usually occurs in a swimming pool.

Why is it important that we fix the problem?

According to the U.S. Consumer Product Safety Commission, 390 deaths a year on average are attributed to drowning in a swimming pool. If we can fix this problem then it directly saves around 400 lives a year, this is why it is important.