

PROBLEM STATEMENT:

VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning.

Swimming is one of the best exercises that helps people to reduce stress in this urban lifestyle. Swimming pools are found larger in number in hotels, and weekend tourist spots and barely people have them in their house backyard. Beginners, especially, often feel it difficult to breathe underwater which causes breathing trouble which in turn causes a drowning accident. Worldwide, drowning produces a higher rate of mortality without causing injury to children. Children under six of their age are found to be suffering the highest drowning mortality rates worldwide. Such kinds of deaths account for the third cause of unplanned death globally, with about 1.2 million cases yearly. To overcome this conflict, a meticulous system is to be implemented along the swimming pools to save human life.

QUESTIONS ABOUT THE PROBLEM STATEMENT:

WHAT DOES THE PROBLEM AFFECT?

This problem addresses those customers who are willing to learn swimming. It also helps trainer to increase the safety of the trainees.

WHAT ARE THE BOUNDARIES OF THE PROBLEM?

There is no boundary restricted for this project. This can be used in swimming pool of any size. The number of cameras depends on the size of the swimming pool.

WHAT IS THE ISSUES?

The issue with the traditional swimming pool system is lack of security that is safety of the swimmer is under treat. Which is solved efficiently in this project by using machine learning algorithm to detect the swimmer from drowning.

WHEN DOES THE ISSUE OCCUR?

The issue usually occurs due to lack of his/her skills or lack of concentration of swimmer during his/her training session.

WHERE IS THE ISSUE OCCURING?

The issue occurs in swimming pool. Where there is treat of drowning.

WHY IS IT IMPORTANCE THAT WE FIX THE PROBLEM?

Safety of the swimmer in swimming pool is the vital part of a swimming pool. Safety of the swimmer includes detection of the swimmer during drowning and letting trainer know the situation.