

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

## PROBLEM STATEMENT:

Mr.Alex is a 27 years old man. He is a Lifeguard and saved a lot of people life in swimming pool.

- Alex need to save the life of a swimmer at earlier stage
- He saw many drowning accident
- This problem is usually occur because of not predicting at earlier stage

Who does the problem affect?	Swimmer in swimming pool
What are the boundaries of the problem?	Swimmers and for Lifeguard
What is the issue?	If swimmer is suddenly drowned under a water then there is a chance of losing life
When does the issue occur?	The drowning occurs when there is lack of health issue in swimmer's life

Where does the issue occur?	This occurs in swimming pool
Why is it important that we fix the problem?	To save the swimmer's life
What solution to solve this issue?	By using the pulse rate sensor we can detect the pulse rate and save the swimmer's life at earlier stage
What methodology used to solve the issue?	Deep learning techniques are used to identify the pulse rate of a swimmer