List of Problem Statement

1. VirtualEye-Life Guard for Swimming Pools to Detect Active Drowning is a drowning detection system that detects every dangerous situation and accident. This VirtualEye software works in close integration with the cameras installed in the pool to continuously scan the pool. This LifeGuard system is able to record all the activities in the pools and to classify critical situations from normal ones in order to keep track of what happened. The built-in notification system produces alarms within 10 seconds on smartwatches, phones, flashing lights and other configurable devices.

2. Who does the problem affect?
   If we failed to detect drowning of people,
   - Mortality rate keeps on increasing
   - People get fear of swimming
   - Economy of people who invested in Swimming pools gets affected.

3. What are the boundaries of the problem?
   - To detect drowning of people while swimming.
   - To safeguard children from going underwater.
   - Monitoring people in fulltime by installing cameras inside water.

4. What is the issue?
   If the camera fails to detect drowning or if the alert is not genetered at correct time, chance of safe guarding gets reduced.

5. When does the issue occur?

   The issue occurs,
   - when the camera is not maintained properly.
   - alarm is not checked frequently.
   - Lifeguard fails to be alert.

6. Where is the issue occuring?
   - This mostly occurs with Children and non-swimmers.
   - People with safty rings may also leads to drown when it gets damaged.
   - If a person gets health issue while swimming may face drowning.

7. Why is it important to fix the problem?
   - To reduce mortality rate of Children.
   - To reduce the risk of people from drowning.
   - To make more people to utilize their free time in swimming.