

**IDEATION PHASE**  
**PROBLEM STATEMENT**

|               |   |
|---------------|---|
| Date          | 20 <sup>th</sup> September 2022   |
| Team ID       | PNT2022TMID27823  |
| Team Leader   | R. KrishnaKanth (311519104031)  |
| Team mates    | R.S. Gokul Raj (311519104018)<br>R. Nanda Kumar (311519104037)<br>K. Shahul Hameed (311519104053) |
| Domain Name   | Safety  |
| Project Name  | VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning                              |
| Maximum marks | 2 marks   |

***PROBLEM STATEMENT:***

VirtualEye web application deployed in cloud platform in which a physical device in the swimming pool will make the alarm for the drowning person in the pool. The alarm will be alerted once the person is seeking for the help or if he is drowned for a certain time will be alerted and will be taken out.

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| Who does the problem affect?                 | The person who is drowning in the pool.  |
| What are the boundaries of the problem?      | The person who are actively drowning or seeking for help will be alerted and taken out.  |
| What is the issue?                           | The person who are in need for help or the person who are drowned in the pool will be alerted.   |
| When does the issue occur?                   | When the person was not taken enough safety measures before went to swimming pool.   |
| Where does the issue occur?                  | It occurs in water reserved areas.   |
| Why is it important that we fix the problem? | It helps to save the life of person who are in need of help in the active drowning.  |
| What solution to solve this issue?           | A web application that will be used to make an alert when the person is seeking for the help or the person who are in active drowning will be alerted and the person will be taken out and will be treated to save the life. |
| What methodology used to solve the issue?    | Cloud deployed web application to save the life of actively drowning person.   |

