

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID47734
Project Name	Project - VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To prevent newbie swimmer or children to avoid drowning in swimming pools and to decrease the fatality rate.
2.	Idea / Solution description	To prevent drowning of swimmers in swimming pools here we will use cameras to record the pool and any movement of drowning will be captured by the cameras which will be processed to know whether the person is actually drowning or not. This will help the life guard to have extra pair of eyes and will help them to swiftly rescue the victim.
3.	Novelty / Uniqueness	This process uses the real time images and identifies drowning movements and alerting the lifeguard to not miss the golden hour of rescue.
4.	Social Impact / Customer Satisfaction	Helps in reducing the fear of drowning and gives assurance of being safe and sound while spending some quality time with their friends and families
5.	Business Model (Revenue Model)	It helps the lifeguard in reducing this dangerous events in happening to a considerable amount. It can also help in collaborating with the maritime sectors and swimming pool authorities.
6.	Scalability of the Solution	As it uses images to identify movements The camera can have blind spots which will affect the performance of the system