

Project Design Phase-I
Proposed Solution Template

Date	14 October 2022
Team ID	PNT2022TMID07728
Project Name	VirtualEye- LifeGuard 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)	VirtualEye - LifeGuard for Swimming Pools To Detect Active Drowning.
2.	Idea / Solution description	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
3.	Novelty / Uniqueness	Accurate Drowning rate detection using Deep learning.
4.	Social Impact / Customer Satisfaction	In case of an incident it is possible to extract and store not only the videos but also rate of a sinking ,it will be usefull to indentify the reason behind his/her drownness.
5.	Business Model (Revenue Model)	Can generate revenue from direct customers,like Lifeguard and collaborate with maritime sector and other swimming pool authorities.
6.	Scalability of the Solution	ML Algorithm for the rate drowning detection : It helps the LifeGuard for earlier prediction of drowning along with the Reason behind his/her drowning.

