

## Project Design Phase-I Proposed Solution Template

Date	24/09/2022
Team ID	PNT2022TMID06940
Project Name	VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning

### Proposed Solution Template:

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

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	To detect the active drowning in swimming pools.
2.	Idea / Solution description	Detecting the drowning in the swimming pool and the immediate alert using Convolutional Neural Network technology.
3.	Novelty / Uniqueness	Using image processing and YOLO algorithm for the precise and immediate alerting system.
4.	Social Impact / Customer Satisfaction	To save the lives of regular swimmers. Helps save the lives of children below 6 yrs of age who are prone to drowning.
5.	Business Model (Revenue Model)	This advanced technology can also provide real-time location and image of the danger Which makes rescuing operations easier
6.	Scalability of the solution	This device can be used in theme parks, rivers, and lakes and specifically swimming pools at home and major efficiency of the device is to send alert signals for lifeguard.