

Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID49865
Project Name	Virtual Eye – Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Detection of active drowning in swimming pools and alert the life guards and to save the person who is drowning.
2.	Idea / Solution description	When the swimmer is drowning the camera detects it and alert the lifeguards by producing alarm sounds. And after the detection the automatic lifejackets will be popped in the drowning area for faster safety.
3.	Novelty / Uniqueness	Deep Learning for detection. Alarm for alert. Automatic life jackets for safety measures.
4.	Social Impact / Customer Satisfaction	The videos and images on the working of the model and recorded videos can be shown to the customers for their satisfaction.
5.	Business Model (Revenue Model)	This model can be recommended to other swimming pools if the working of the model leads to the more safety of the customers. Customers can also recommend this to others with their usage experience.
6.	Scalability of the Solution	With the help of sound alarm the lifeguards will be alerted quickly. In case lifeguards are not attentive the automatic lifejacket plays a major role in saving the customer from drowning.