

Project Design Phase-I
Proposed Solution Template

Date	1 October 2022
Team ID	PNT2022TMID07728
Project Name	VIRTUAL EYE – 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)	This system can also able to record all the activities in the pools and to classify critical situations from normal ones in order to keep track of what happened. The built-in notification system produces alarms within 10 seconds on smartwatches , phones, flashing lights and other configurable devices.
2.	Idea / Solution description	This system by analyzing the movement and shape, evaluates swimmers' condition based on visual based monitoring device and an alarm to alert the lifeguards and provides solution in detecting drowning incidents.
3.	Novelty / Uniqueness	Virtual eye has developed a novel idea of alerting the ambulance and another life guard if there is any delay in saving the person to death.
4.	Social Impact / Customer Satisfaction	Children under six of their age are found to be suffering the highest drowning mortality rates worldwide. Such kinds of deaths account for the third cause of unplanned death globally, with about 1.2 million cases yearly. To overcome this conflict, a meticulous system is to be implemented along the swimming pools to save human life
5.	Business Model (Revenue Model)	Our solution, once developed well, has enough possibility to become a good product to
6.	Scalability of the Solution	Our proposed solution is very scalable i.e., in future , there are a lot of rooms for evolving our present model by Adding new features to enhance our system in the future.