Project Design Phase-I
Proposed Solution Template

Date	10 November 2022
Team ID	PNT2022TMID43216
Project Name	Project -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)	Drowning accident – Life guard to detect the underwater situation where they cant easily observe
2.	Idea / Solution description	To make use of one camera that streams the Video underwater and analysis the position of Swimmers to access the probability of drowning
3.	Novelty / Uniqueness	Artificial technology and machine learning combine to quickly identify instinctive drowning response behaviour. An alert is sent to the life guard, who can immediately take appropriate action to save a swimmer in distress
4.	Social Impact / Customer Satisfaction	As it prevents accidents and spot potential trouble before become life-threatening, and by responding when needed. So it makes everyone educate about the risks and make them feel satisfied
5.	Business Model (Revenue Model)	Can generate revenue from direct customers, like lifeguards, and collaborate with maritime sector and other Swimming pool authorities
6.	Scalability of the Solution	Drowning rates are particularly high in low- and middle income countries. Over 90% of all deaths have been occurred. Schools are the preferred entry point for swim skills and water safety training.