Project Design Phase-I
Proposed Solution

Date	12 OCTOBER 2022
Team ID	PNT2022TMID19885
Project Name	Project – Virtual Eye - Lifeguard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Virtual eye Lifeguard is a drowning detection system that detects every dangerous situation and accident. Real-time detection of a drowning person in swimming pools is a challenging task that requires an accurate system.
2.	Idea / Solution description	In this application with using some advanced technologies, we can identify if anyone is drowning in a live video feed and then send an alert immediately.
3.	Novelty / Uniqueness	The system is not designed to replace a lifeguard or other human monitor, but to act as an additional tool. It helps the lifeguard to detect the underwater situation where they can't easily observe.
4.	Social Impact / Customer Satisfaction	Lifeguards can provide life vests to children and inexperienced swimmers to help them stay afloat in the water.
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	The Virtual Eye Life Guard system is 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. Life Guard meets the legislative requirements for the protection of personal data.