Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	**PNT2022TMID23090**
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 besolved)	People are visiting to swimming pools to practice or to learn swimming. There is a possibility of someone drowning as they are new to these activities. So, to detect the active drowning of the person we have designed a "VIRTUAL EYE" program which is installed in the Security Camera Available in the Pool and it is connected with Alarm and thus alerting the Rescue team about the drowning. Thus, a system is to be implemented along the swimming pools to save human life.

		By studying the pattern of pool and the movement of the Body at every time interval and connecting them all with AI and train those system which help us to reduce the risk of drowning.
2.	Idea / Solution description	The proposed system will take an attempt tp evaluate the swimmers' conditions by analyzing their motion and Facial recognizing with the help of visual based monitoring device and an alarm to alert, and provides solutions in detecting drowning incidents.
3.	Novelty / Uniqueness	Virtual eye has an idea of alerting the Rescue team and another life guard, if there is any delay in saving the person.

4.	Social Impact / Customer Satisfaction	Safety is very important when we are doing practices in water it has been a concern for many centuries for the survival of humanlives. It's impossible for them to monitor every swimmer in a pool, at every minute. But it's vital to reach a drowning victimbefore it's too late and every second counts. Virtual eye plays an important role in rescuing of people whoever get caught in drowning thus saving a person's life from death.
5.	Business Model (Revenue Model)	There are many trained algorithms currently available in market. Once our solution is developed, it hasenough possibility to become a good product to save a person from drowning.
6.	Scalability of the Solution	Our proposed solution is very scalable it can adapt to any type of Environment.