Project Design Phase-I
Proposed Solution Template

Date	29 September 2022
Team ID	PNT2022TMID00309
Project Name	Virtual Eye-Life Guard For Swimming Pools To Detect Active Drowning
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Swimming helps people to reduce stress so many people engage in that activity. But for beginners and kids around 6 years of age find it difficult and leads to accidental drowning. In order to reduce the mortality rate, we need to devise a system
2.	Idea / Solution description	Using Artificial intelligence technology, we Install cameras in underwater and ceiling to detect drowning and immediately alert the guards
3.	Novelty / Uniqueness	The system effectively tracks the body movement positions with high accuracy. The rate of detection is very quick and will reduce mortality rate
4.	Social Impact / Customer Satisfaction	As beginners and kids are very excited to swim, when such a system is deployed their parents will feel safe and relaxed
5.	Business Model (Revenue Model)	We can generate direct revenue by tying up with hotels and private pools. Also implementing them in tourist spots will encourage more visitors
6.	Scalability of the Solution	By using AI and deep learning, this solution will be effective for now and also future. It will have a solid infrastructure with accurate prediction and increased performance