Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID28319
Project Name	Project-VirtualEye -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)	Swimming is one of the best exercises that helps people to reduce stress in this urban lifestyle. Beginners, especially, often feel it difficult to breathe underwater which causes breathing trouble which in turn causes a drowning accident. To overcome this conflict, a meticulous system is to be implemented along the swimming pools to save human life.
2.	Idea / Solution description	By studying body movement patterns and connecting cameras to artificial intelligence (AI) systems we can devise an underwater pool safety system that reduces the risk of drowning.
3.	Novelty / Uniqueness	Systems can be developed by installing more than 16 cameras underwater and ceiling and analyzing the video feeds to detect any anomalies.
4.	Social Impact / Customer Satisfaction	It helps the lifeguard to detect the underwater situation where they can't easily observe.
5.	Business Model (Revenue Model)	The model generates a good income if the prediction is true.
6.	Scalability of the Solution	In future, when a new feature is added it suits to the application.