

Project design phase 1

Proposed Solution Template

Team ID	PNT2022TMID34450
Project Name	VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning
Date	October 20,2022
Maximum marks	2 marks

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	The aim is to make practical safety alerts to reduce the danger of drowning incidents in swimming pools
2	Idea/Solution description	We came up with a solution that detects drowning people by 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	The proposed system makes use of one camera that streams the video underwater and analyses the position of swimmers to assess the probability of drowning, if it is higher then an alert will be generated to attract lifeguards' attention.
4	Social Impact / Customer Satisfaction	This ensures the safety of the people and very positive impact on rates of drowning death and injury.
5	Business Model (Revenue Model)	Subscription model - The subscription business model is a business model in which a customer must pay a recurring price at regular intervals for access to a product or service.
6	Scalability of the Solution	It can be used in all swimming pools because it is budget friendly