Project Design Phase-I
Proposed Solution Template

Date	27 September 2022
Team ID	PNT2022TMID11425
Project Name	VirtualEye - LifeGuard 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)	VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning
2.	Idea / Solution description	Swimming is one of the best exercises that helps people to reduce stress in this urban lifestyle. Swimming pools are found larger in number in hotels, and weekend tourist spots and barely people have them in their house backyard. Beginners, especially, often feel it difficult to breathe underwater which causes breathing trouble which in turn causes a drowning accident.so in this is project accurate pulse rate of every individual swimmers is also detected and sended as a signal to the lifeguard through alter message so it help lifeguard to do early prediction of a swimmer pulse rate is reduce or increased by doing this they can get alert in advance and can save more then one person from drowing .
3.	Novelty / Uniqueness	Accurate pulse rate detection using deep learning is used to save a person.
4.	Social Impact / Customer Satisfaction	In case of an incident it is possible to extract and store not only the videos but also pulse rate of a victim so it

		will be useful to identify the reason behind his/her drowness.
5.	Business Model (Revenue Model)	Can genertae a revenue from direct customers,like LifeGuard and other swimming pool authorities.
6.	Scalability of the Solution	Deep learning Algorithm for the pulse rate detection: It helps the LifeGurad for earlier prediction of drowning along with reason behind his/her drowning.

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TEAM ID : PNT2022TMID11425

TEAM SIZE: 5

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