

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID25952
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)	Saving life in swimming pools when people are in danger.
2.	Idea / Solution description	By using Artificial Intelligence, installing camera and sensor under water to detect activity of drowning, if found to be unusual the alarm system triggers and gives signal and life guard will rescue the drowning people.
3.	Novelty / Uniqueness	Accurate pulse rate detection using Deep learning.
4.	Social Impact / Customer Satisfaction	Drowning globally has a higher death rate and is also the third leading cause of unexpected deaths worldwide, especially among children under the age of six. To overcome this conflict our drowning detection system will have an impact on society.
5.	Business Model (Revenue Model)	Can generate revenue from direct customers, like Lifeguard and collaborate with maritime sector and other swimming pool authorities.
6.	Scalability of the Solution	Our software system can be used by the company driver who manages the pools. We use the IBM cloud server to collect and maintain the data. We will ensure the safety of the swimmers.