Project Design Phase - I
Proposed Solution Template

Date	**24 September 2022**
Team ID	**PNT2022TMID00440**
Project Name	**Virtual eye - to detect active drowning**
Maximum marks	**2 marks**

Proposed Solution Template:
Project team shall fill the following information in the proposed solution template.

S no	Parameter	Description
1.	Problem Statement (problem to be solved)	An AI powered detector to be deployed at swimming pools . The barriers here are to differentiate between swimming and drowning and timely alert and the accuracy of the same. The major fact that leads to lots of drowning accidents are careless lifeguards and the swimming pool authorities. Most times carelessness can be attributes to the ambiguity whether someone is drowning or not.
2.	Idea / Solution expected	This system tries to minimize the chances of people drowning in the water by recognizing the possible actions people make at the time of distress and panic and sending an alert to the control room for taking suitable measures to save them.
3.	Novelty / Uniqueness	This system not only provides website extensions but also browser extensions which makes work simpler and provides a user friendly environment.

4.	Social Impact / Customer Satisfaction	Since this is an automated system, the user has no work to be done. The device is installed in swimming pools and it detects drowning. Alerts are sent as visual or audio messages to the user which makes life secure and of less effort.
5.	Business Model (Revenue model)	We propose a two tier system namely a 'free' and a 'premium' tier. The free tier would include ads that display below when classifying a website.The premium tier is a recurring subscription either monthly or annually that removes all advertisements, increasing speed and efficiency of the classifying models.
6.	Scalability of the solution	Since this is a browser extension which would be published in Chrome Marketplace, it can be accessed and used by everyone across the world.