Proposed Solution Template

**Date:** 25th September 2022

**Team ID:** PNT2022TMID40673

**Project Name:** VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning.

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| **S. No.** | **Parameter** | **Description** |
| 1. | Problem Statement | If someone is drowning while swimming in a pool,  immediate assistance is required so that the individual can continue swimming without the risk of dying. |
| 2. | Idea / Solution description | We came up with a solution that detects drowning people with help of deep learning and computer vision techniques |
| 3. | Novelty / Uniqueness | The proposed system uses a state-of-the-art object detection model to detect a drowning person in real-time with the highest degree of accuracy. |
| 4. | Social Impact /  Customer Satisfaction | This ensures the safety of all swimmers and promotes a safe environment for swimming in swimming pools. |
| 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 | Since this is a cost-effective model, it can be implemented in all swimming pools. |