

# Proposed Solution Template

**Date:** 25th September 2022

**Team ID:** B4-4M6E

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

**Team Leader:** Kevan P John

**Team Members:** Kevin Christopher A, S Koushik, M Logeshwaran

| 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.   |