

**Project Design Phase-I**  
**Proposed Solution Template**

Date	2 November 2022
Project Name	Project – Virtual Eye

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A Lifeguard needs an virtual assistant in finding the drowning persons which he/she can't able to detect because of viewing angles, physical and mental fatigue, couldn't able to cover all areas because of overcrowding. Therefore, lifeguard wants a drowning detection system to save the lives of people who are drowning.
2.	Idea / Solution description	By using YOLO method, the drowning person must be detected using machine learning and artificial intelligence techniques and once a person is detected the trainer will be alerted and the drowning person can be saved.
3.	Novelty / Uniqueness	Using YOLO method even if the person is detected once he will be notified to the trainer and alarm sound is played to save the person. By using human detection system if a person is found he will be saved.
4.	Social Impact / Customer Satisfaction	Crucial life of swimmers can be saved. It also increases the confidence of swimmers.
5.	Business Model (Revenue Model)	Once this model becomes a success. This model can be sold to private swimming pools and it can be sold for whooping prices. As it can support the trainers to look for drowning swimmers.
6.	Scalability of the Solution	It can be implemented to efficiently save people's life and can be used as a business model to generate revenue from private swimming pool.