

Project Design Phase-I
Proposed Solution Template

Date	28 October 2022
Team ID	PNT2022TMID48119
Project Name	Virtual-Lifeguard for Swimming Pools to Detect the Active Drowning
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	People use the swimming for enjoyment, health Exercise but for all age of the people pool is really dangerous we need lifeguard, in duty swimming pools are very dangerous in the underwater.
2.	Idea / Solution description	In this project, using Artificial intelligence technology, using the camera help we can detect the people action and positions and also we check breathing level of the people inside the underwater and use of any alarms system we can detect the some of them are in the problem
3.	Novelty / Uniqueness	The uniqueness of the our system is track the people position and body condition in the drowning using YOLO Algorithm. It is fast and very speed in the detection
4.	Social Impact / Customer Satisfaction	In world most of them are unexcepted cause very serious death in the underwater not only in the city but most occurs in the rural area in the public places (well, lakes) we should avoid the accident in the underwater drowning
5.	Business Model (Revenue Model)	In the software field this well increase good income. Safety innovation in the swimming related issues this makes attractive for end users to use our software product
6.	Scalability of the Solution	IBM cloud server will collect all the data and stored in the server. This will more safe and secure