Project Design Phase-I

Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID32676
Project Name	Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	detection of abnormal activity or drowning and to alert staff.
2.	Idea / Solution description	Using our model and the CNN and YOLO algorithms, we can forecast drowning incidents in swimming pools. To obtain very accurate results, we specifically use version 7 of the YOLO algorithm.
3.	Novelty / Uniqueness	We can predict drowning incidences in swimming pools using our model, the CNN algorithm, and the YOLO algorithm. Version 7 of the YOLO algorithm is specifically used to get extremely accurate results.
4.	Social Impact / Customer Satisfaction	Annually 1.2 million individuals confront spontaneous passing due to suffocating globally. This passing rate will be decreased by actualizing this solution.
5.	Business Model (Revenue Model)	Thus it may be a lifesaving show, it can be utilized by fledglings and unpredictable swimmers. It cautions close by swimmers who protect the suffocating one.
6.	Scalability of the Solution	YOLO V7 includes a extraordinary adaptability engineering compare to others. Increase in depth scaling and width scaling and determination scaling we are able increment the adaptability of this model. Real-time Question location of yolo calculation has tall precision and fast.