

Project Design Phase-I
Proposed Solution Template

Date	15 November 2022
Team ID	PNT2022TMID53521
Project Name	Life Guard for swimming pools to detect active drowning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	a meticulous system to detect drowning is to be implemented along the swimming pools life guard to save human life.
2.	Idea / Solution description	uses only one camera underwater which calculates the distant from water surface and the position of the person drowning to alert the life guard
3.	Novelty / Uniqueness	Calculate the position of the drowning person accurately and send alert messages in short period of time
4.	Social Impact / Customer Satisfaction	People will feel much safer to go to swimming pools especially the new learner's
5.	Business Model (Revenue Model)	This model can be developed by minimum cost at the same time it will provide the peak performance, higher accuracy and the result will be more effective than traditional techniques.
6.	Scalability of the Solution	Reduces the physical efforts of the life guard and increase the efficiency of the traditional system