Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID20970
Project Name	Virtual Eye- Life Guard for SwimmingPools 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)	Virtual Eye - Life Guard for Swimming Pools To Detect Active Drowning.
2.	Idea / Solution description	Swimming is one of the quality physical activities that enables humans to reduce strain on this city lifestyle. Swimming swimming pools are located large in wide variety in hotels, and weekend tourist spots, and slightly people have them of their homes and backyards. Beginners, especially, often feel it tough to respire underwater which reasons respiration trouble which in flip reasons a drowning accident In this mission an Accurate Pulse Rate of each man or woman swimmer is likewise detected and sent as a sign to the Life Guard alert message so it enables Life Guard to do in advance prediction of a swimmer pulse charge is decreased or increased By doing this they are able to get alert in advance and may keep extra than one character from Drowning
3.	Novelty / Uniqueness	Accurate pulse rate detection using Deep learning.

4.	Social Impact / Customer Satisfaction	In the event of an emergency, not only the video but also the heart rate of the victim can be extracted and saved, which is useful for investigating the cause of drowsiness.
5.	Business Model (Revenue Model)	You can generate revenue from direct customers such as lifeguards and work with maritime departments and other pool authorities.
6.	Scalability of the Solution	Heart Rate Detection Deep Learning Algorithm: Helps lifeguards to predict drowning early, along with reasons for drowning. Solution Scalability