

Project Design Phase-I

Proposed Solution

Date	03 November 2022
Team ID	PNT2022TMID24074
Project Name	Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	4 Marks

Proposed solution:

The project aims at building an application that provides information about the containment zones of a particular region by continuously monitoring an individual's location. Location of the individual must be stored in the Database. Alerts are sent using the notification service.

S. No	Parameter	Description
1	Problem statement (problem to be solved)	How can we can save a person in deep water? Which method is best for saving a drowning person?
2	Idea / Solution description	Tossing a lifesaving device,rope,towel or even pool noodle helps the drowning person without increasing risk to others. Get backup-call 911 or inform others that someone is drowning. Alert lifeguards they're trained to assist.
3	Novelty / Uniqueness	<ol style="list-style-type: none"> 1. Safeguard and supervise children closely. 2. Availability of surveillance of CCTV. 3. Install a pool fence. 4. Learn CPR.
4	Social Impact / Customer Satisfaction	Designed for whom has to guarantee every day the safety in public and intensive use pools, Our Virtual Eye lifeguard detects potential drownings and promptly notifies you.
5	Business Model (financial Benefit)	<ol style="list-style-type: none"> 1. Offer exciting and innovative technologies just like every other industry, the pool industry is seeing rapid advance in technology all the time. 2. Selling value over price. 3. Make an online presence. 4. Variety.
6	Scalability of Solution	<ol style="list-style-type: none"> 1. Test regularly to ensure that calcium hardness levels are between approximately 200 to 400 parts per million. 2. Ensure that brushing the pool walls is part of the routine maintenance program.