

Project Design Phase-I Problem Solution Fit

Date	02 October 2022
Team ID	PNT2022TMID30291
Project Name	Virtual Eye – Life Guard For Swimming Pools To Detect Active Drowning
Maximum Marks	

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS	6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL	5. AVAILABLE SOLUTIONS <small>PROS & CONS</small> AS	Explore AS, differentiate
	<p>People who manage pools, swimmers, lifeguards and so on.</p>	<p>Spending power, budget, available devices.</p>	<p>The wrist watch is used to monitor Swimmers pulse rate. Goggles are used with inbuilt sensors to trigger the alarm. Rescue the drowning people by using drones.</p>	
Focus on PR, tap into BE, understand RC	2. PROBLEMS / PAINS <small>+ ITS FREQUENCY</small> PR	9. PROBLEM ROOT / CAUSE RC	7. BEHAVIOR <small>+ ITS INTENSITY</small> BE	Focus on PR, tap into BE, understand RC
	<p>Swimming pools are generally places of fun and healthy exercise, but they can be deadly as well. Even with a lifeguard observer on duty, swimmers may still have trouble in underwater or in parts of the pool beyond the lifeguard's field of view.</p>	<p>Unfamiliar with swimming, unaware about Swimmers medical condition etc.</p>	<p>Find the right camera Installer and system operator.</p>	
Identify strong TR & EM	3. TRIGGERS TO ACT TR	10. YOUR SOLUTION SL	8. CHANNELS of BEHAVIOR CH	
	<p>Seeing their neighbour's swimming pool installing drowning detection system, reading about a more efficient solution in the news.</p>		<p>The Vision-based monitoring system is used to monitor swimmers and detect people who drown, then activate the alarm to alert the lifeguard to rescue them.</p>	<p>ONLINE</p> <p>Install and operate the drowning detection system software.</p>
	4. EMOTIONS <small>BEFORE / AFTER</small> EM		<p>OFFLINE</p> <p>Camera installation, alarm set-up, Rescue people.</p>	
	<p>The customer feels insecure, panic, afraid when they face a problem, after that they feel confident and safety.</p>			