

Project Design Phase-I

PROBLEM SOLUTION FIT

TEAM ID : PNT2022TMID01606

PROJECT NAME : VirtualEye – Life Guard for Swimming Pools to Detect Active Drowning

DATE : 3.11.2022

CUSTOMER SEGMENT	CUSTOMER LIMITATIONS	BEFORE : Fear of unprotected swimming successful system will bring inestimable value in saving human lives.
JOBS TO BE DONE/PROBLEMS	PROBLEM ROOT / CAUSE	<p>AFTER : Fearless and satisfactory swimming experiences</p> <p>AVAILABLE SOLUTIONS</p> <ul style="list-style-type: none"> Setting up of camera and monitoring each and every person swimming in the pool setting an alarm to notify the Lifeguard Detects and prevents active drowning <p>BEHAVIOUR</p> <ul style="list-style-type: none"> The customer believes more customer in a manual monitoring will exhibit system rather than a visual monitoring system his behaviour
TRIGGERS TO ACT	YOUR SOLUTION	<p>until an He/she want to be always authenticat surrounded by a lifeguard -ed rather being monitored by a application camera serves its purpose rightly</p>
<p>Person who swim in the pool are Constant network connection ment to be constantly kept an Camera misunderstanding normal eye over them by visual based swimming</p> <ul style="list-style-type: none"> actions to be abnormal. monitoring system. Cost of fitting and maintainance 	<p>Many to practice or to learn swimming. deaths People think that the camera that is There is a possibility of someone account set up to monitor the persons who drowning as they may be new to for the are swimming are of no proper and these activities. third cause accurate use.</p> <p>of</p> <p>Existing visual based monitoring unplanned Anticipation over all the other systems are too economical and death system happens when one device these are needed to globally fails to do its service.</p> <p>environmnet. about 1.2M cases/Yr</p>	<p>swimming experiences</p>
<ul style="list-style-type: none"> The customer is triggered by their surrounding The proposed system makes a novel attempt talking about this approach of detecting and to evaluate swimmers condition by analyzing preventing active drowning. their motion and shape features via visual Economical installation cost also plays a pivotal based monitoring device and an alarm to role. alert, and provides solution in detecting drowning incidents. 	<p>EMOTIONS before /after</p> <ul style="list-style-type: none"> While challenging in many aspects, a 	<p>purpose rightly</p>

CHANNELS OF BEHAVIOUR

ONLINE

Develop an application and provide all sort of assistance to the users regarding the virtual eye.

OFFLINE

Provide quality safety wares while swimming