

Project Design Phase-I

PROBLEM SOLUTION FIT

TEAM ID : PNT2022TMID36512

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

DATE : 19.09.2022

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