

Project Design Phase-II

Customer Journey Map

Date	11 November 2022
Team ID	PNT2022TMID00276
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Project Name	VirtualEye – Lifeguard for Swimming Pools for Active Drowning
Maximum Marks	2-Marks

1 Phases				
High-level steps your user needs to accomplish from start to finish	to detect the problem	finding an appropriate sensor to the problem	what we need to implement	how to implement creatively
2 Steps				
Detailed actions your user has to perform	<div>Detect the Pulse rate from pulse rate sensor</div> <div>To detect the pulse rate of person using sensor</div> <div>To find over pulse rate of swimmer</div>	<div>To find drowning person</div> <div>By pulse rate</div> <div>By sensor</div>	<div>Pulse rate detection</div>	<div>To detect Pulse rate Of swimmer</div> <div>Using deep learning algorithm</div> <div>It detect pulse rate in digital watch</div>
3 Feelings				
What your user might be thinking and feeling at the moment	<div>Easy for the Lifeguard to save people life</div> <div>Low death</div> <div>Earlier prediction can be possible</div>	<div>Earlier prediction to save life of a swimmer</div> <div>Lifeguard can save most of the life</div> <div>Saving life of every individual</div>	<div>Should be alert all time</div> <div>The model helps to predict about Pulse rate of swimmer</div> <div>Lifeguard should be ready and alert all time is difficult task</div>	<div>Implement the good sensor</div> <div>Real-Time Pulse rate Monitoring</div> <div>Continuous monitoring</div>
	<div>It is difficult to know if the sensors are not working unexpectedly</div>	<div>Life can be saved because of earlier predict</div>	<div>It requires an unlimited or continuous internet connection.</div> <div>Sometimes sensor may fail to work</div>	<div>They need maintenance for proper functioning</div> <div>Always Lifeguard should be available</div> <div>proper prediction is needed</div>
4 Pain points				
Problems your user runs into	<div>Due to network issues the alarm message will be delivered lately</div> <div>If the program is not properly installed in the device then the device may not to be work</div>	<div>Some times cant find correct drowning person</div> <div>It is because of 3 or more number of drowning happens</div> <div>There is a chance of losing pulse rate of swimmer</div>	<div>Lifeguard should know little about Normal pulse rate</div> <div>communication between Lifeguard and swimmer</div> <div>It can reduce the drowning accident</div>	<div>Cannot save everyone life</div> <div>No measures are taken due to some external cases</div> <div>Lifeguard cannot save life of swimmer if a sensor takes more time to sense</div>
5 Opportunities				
Potential improvements or enhancements to the experience	<div>Pulse rate is detected automatically</div> <div>Pulse rate can detected using the deep learning algorithm</div>	<div>It provides information quickly and accurately</div> <div>It can be used to monitor pulse rate of swimmer to Detect drowning</div> <div>Becomes handy to save swimmer Life earlier</div>	<div>high quality of sensor is needed</div> <div>Saves the more people rate</div> <div>Makes lower death</div>	<div>Accurate prediction is needed</div> <div>It reduces the swimmer death</div> <div>Saves Lot of swimmer life</div>

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