



Project Design Phase – II

Customer Journey Map

Date	17 October 2022
Team ID	PNT2022TMID30844
Project Name	VirtualEye – Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 Marks

<h3>1 Phases</h3> <p>High-level steps your user needs to accomplish from start to finish</p>	To detect the problem			Find an appropriate answer to this problem		What we need to implement		How to implement creatively					
<h3>2 Steps</h3> <p>Detailed actions your user has to perform</p>	Detect the Pulse rate from pulse rate sensor To detect the pulse rate of person using sensor To find over pulse rate of swimmer			To find drowning person	By pulse rate	By sensor	Pulse rate detection	To detect pulse rate of swimmer	Using deep learning algorithm	It detect pulse rate in digital watch			
<h3>3 Feelings</h3> <p>What your user might be thinking and feeling at the moment</p>	 	Easy for the Life Guard to save people life	Low Death	Earlier prediction can be possible	Earlier prediction to save life of a swimmer	Lifeguard can save most of the life	Saving life of every individual	Should be alert all time	The model helps to predict about Pulse rate of swimmer	Lifeguard should be ready and alert all time is a difficult task	Implement the good type of sensors	Real-Time Pulse rate monitoring	Continuous monitoring
		It's difficult to know if the sensors are not working unexpectedly				Life can be saved because of earlier prediction		It requires an unlimited or continuous internet connection	Sometimes sensor may fail to work		They need maintenance for proper functioning	Always Lifeguard should be available	Proper prediction is needed
<h3>4 Pain points</h3> <p>Problems your user runs into</p>	Due to network issues the alarm message will be delivered safely If the program is not properly inserted in the device may not to be work			Some times can't find correct drowning person	Is because of 3 or more number of drowning happens	There is a chance of losing pulse rate of swimmer	Lifeguard should know little about normal pulse rate	Communication between Lifeguard and swimmer	It can reduce the drowning accident	Can't save everyone life	No measures are taken due to some external cases	Lifeguard can't life of swimmer if a sensor takes more time to sense	
<h3>5 Opportunities</h3> <p>Potential improvements or enhancements to the experience</p>	Pulse rate is detected automatically Pulse rate can detected using the deep learning algorithm			It provides information quickly and accurately	It can be used to monitor pulse rate of swimmer to detect drowning	Becomes handy to save swimmer life earlier	High quality of sensor is needed	Saves the people in high rate	Makes low death rate	Accurate prediction is needed	It reduces the swimmer death	Saves lot of swimmer life	