

Project Design Phase-II

Customer Journey Map

Date	17 October 2022
Team ID	PNT2022TMID45200
Project Name	Virtual Eye – Lifeguard for Swimming Pools to detect Active Drowning
Maximum Marks	2-Marks

1 Phases	To detect the problem			Finding an appropriate answer to the problem			What we need to implement			How to implement creativity		
2 Steps	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		
3 Feelings	Easy for the LifeGuard 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 individuals	Should be alert all time	The model helps to predict about pulse rate of swimmer	Lifeguard should be ready and alert all time is difficult task	Implement the good sensor	Real-Time pulse rate monitoring	Continuous monitoring
	It is difficult know if the sensors are not working				Life can be saved because of earlier predict		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
4 Pain points	Due to network issues the alarm message will be delivered later	If the program is not properly inserted in the device then the device may not be work	sometimes can't find correct drowning person	It 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	Cannot save everyone life	No measurements are taken due to some external cases	Lifeguard cannot save life of swimmer if a sensor takes more time to sense	
5 Opportunities	Pulse rate is detected automatically	Pulse rate can be 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 sensors needed	Saves the more people rate	Makes lower death	Accurate prediction is needed	It reduces the swimmer death	Saves lot of swimmer life	

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