

Project Design Phase-II

Customer Journey

Date	21 October 2022
Team ID	PNT2022TMID41614
Project Name	Virtual eye – lifeguard for swimming pools for active drowning
Maximum Marks	2 Marks

1 Phases	2	3	4	5
High level goals your user needs to accomplish from start to finish	Identify the problem	Find an alternative answer to the problem	What we need to implement	How to implement creatively
6 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 using deep learning algorithm Of swimmer It detect pulse rate in digital watch
7 Feelings	Easy for the Lifeguard to check people life Low death Earlier prediction can be possible	Earlier prediction to save life of a swimmer Lifeguard can save more 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 difficult task	Implement the good sensor Real Time Pulse rate monitoring Continuous monitoring
	It's difficult to know if the sensors are not working accurately	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
8 Pain points	Due to network issues the alarm message will be delivered later If the program is not properly installed in the device then the device may not be work	Sometimes can 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 measures are taken due to some external cases Lifeguard can save life of swimmer if a sensor takes more time to sense
9 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 sensor is needed Saves the more people rate Makes lower death	Accurate prediction is needed It reduces the swimmer death Saves life of swimmer life