

Project Design Phase-II

Customer Journey

Date	31 October 2022
Team ID	PNT2022TMIG26961
Project Name	Virtual Eye - Life Guard For Swimming Pools To Detect Active Drowning

Customer Journey:

Issues	To detect the problem			Finding an appropriate answer to the problem			What we need to implement			How to implement solution		
Issues	<div> <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>			<div> <div>To find drowning person</div> <div>By pulse rate</div> <div>By sensor</div> </div>			<div> <div>Pulse rate detection</div> </div>			<div> <div>To detect Pulse rate Of swimmer</div> <div>Using deep learning algorithm</div> <div>It detect pulse rate in digital watch</div> </div>		
Feelings	<div> <div>Easy for the LifeGuard to save people life</div> <div>Low death</div> <div>Earlier prediction can be possible</div> </div>			<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>			<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>			<div> <div>Implement the good sensor</div> <div>Real Time Pulse rate Monitoring</div> <div>Continuous monitoring</div> </div>		
Feelings	<div> <div>It is difficult to know if the sensors are not working unexpectedly</div> </div>			<div> <div>Life can be saved because of earlier predict</div> </div>			<div> <div>Requires an unlimited or continuous internet connection</div> <div>Sometimes sensor may fail to work</div> </div>			<div> <div>They need maintenance</div> <div>Always LifeGuard should be available</div> <div>proper prediction is needed</div> </div>		
Pain points	<div> <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 this device may not to be work</div> </div>			<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>			<div> <div>LifeGuard should know little about Normal pulse rate</div> <div>communicates between LifeGuard and swimmer</div> <div>It can reduce the drowning accident</div> </div>			<div> <div>Cannot save everyone life</div> <div>No measures are taken due to some external cases</div> <div>LifeGuard can save life of 3 or more people if a sensor takes more time to sense</div> </div>		
Opportunities	<div> <div>Pulse rate is detected automatically</div> <div>Pulse rate can detected using the deep learning algorithm</div> </div>			<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 carrier</div> </div>			<div> <div>High quality of sensor is needed</div> <div>Saves the more people rate</div> <div>Makes lower death</div> </div>			<div> <div>Accurate prediction is needed</div> <div>It reduces the swimmer death</div> <div>Saves lot of swimmer life</div> </div>		

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