

# Project Design Phase-II

## Customer Journey Map

Team ID	PNT2022TMID06627
Date	05-10-2022
Project Name	VirtualEye – Lifeguard for Swimming Pools for Active Drowning

1 Phases	<div>To detect the problem</div> <div>Finding an appropriate sensor to the problem</div> <div>What we need to implement</div> <div>How to implement creatively</div>			
2 Steps	<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>			
3 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> <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 connections</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> </div>			
4 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 the 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>communication 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 cannot save life of everyone if a sensor takes more time to sense</div> </div>			
5 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 earlier</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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