

Project Design Phase – II

Customer Journey Map

Date	20 October 2022
Team ID	PNT2022TMID51524
Project Name	Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 Marks

1 Phases High-level steps your user needs to accomplish from start to finish	To detect the problem	Find an appropriate answer to the problem	What we need to implement	How to implement creatively
2 Steps Detailed actions your user has to perform	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 What your user might be thinking and feeling at the moment	<div> <div> Easy for the Life Guard to save people life Low Death Earlier prediction can be possible </div> <div> It's difficult to know if the sensors are not working unexpectedly </div> </div>	<div> <div> Earlier prediction to save life of a swimmer Lifeguard can save most of the life Saving life of every individual </div> <div> Life can be saved because of earlier prediction </div> </div>	<div> <div> 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 </div> <div> It requires an unlimited or continuous internet connection Sometimes sensor may fail to work </div> </div>	<div> <div> Implement the good type of sensors Real-Time Pulse rate monitoring Continuous monitoring </div> <div> They need maintenance for proper functioning Always Lifeguard should be available Proper prediction is needed </div> </div>
4 Pain points Problems your user runs into	<div> <div>Due to network issues the alarm message will be delivered later</div> <div>If the program is not properly inserted in the device may not to be work</div> </div>	<div> <div>Some times can't find correct drowning person</div> <div>Its 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>Can't save everyone life</div> <div>No measures are taken due to some external cases</div> <div>Lifeguard can't life of swimmer if a sensor takes more time to sense</div> </div>
5 Opportunities Potential improvements or enhancements to the experience	<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 people in high rate</div> <div>Makes low death rate</div> </div>	<div> <div>Accurate prediction is needed</div> <div>It reduces the swimmer death</div> <div>Saves lot of swimmer life</div> </div>